



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)



Annual Report 2022-2023

www.sathyabama.ac.in

With the Blessings of



Col. Dr. JEPPIAAR, M.A., B.L., Ph.D.
Founder Chancellor

Message



Dr. MARIAZEENA JOHNSON

B.E., MBA., M.Phil., Ph.D.

Chancellor



Dr. MARIE JOHNSON

B.E., MBA., M.Phil., Ph.D.

President

Sathyabama Institute of Science and Technology has developed into a world-class, multi-disciplinary university with excellence in Teaching and Research. Our performance in the area of research has been continuously improving and on par with top national and international universities. Research at our university continues to address the societal needs, creating positive impact on the society.

We are happy that Sathyabama is placed in the 51st position among the universities in India and has been ranked one of the top 100 universities in India for eight consecutive years by the National Institutional Ranking Framework (NIRF) 2023. According to the NIRF Innovation Rankings, which ranks Institutions based on the contribution to research, innovation and entrepreneurship, our Institution is placed in the 51–100 band among all the Institutions in India.

This Report is an effort to share the activities and some of the noteworthy achievements of our institution for the academic year 2022-2023.

The dedication and commitment of the faculty and staff of Sathyabama need to be acknowledged and appreciated and I take this opportunity to congratulate the team involved in the preparation of this report.

Message from Vice Presidents

We are very glad to share the achievements and progress of our Institution for the academic year 2022-2023.

Our Institution has taken initiatives towards imparting 21st-century skills to the students and creating an industry-ready student community. Our Institution places importance on the holistic development of students, focusing not only on academic excellence but also on their involvement in sports, culture, and art.

Our research community continues to address critical challenges using their knowledge and experience. Teamwork and collaboration among faculty members have played a crucial role in achieving milestones at our university.

We take this opportunity to express our sincere appreciation for the efforts of faculty, students, and other stakeholders who have contributed to the achievements and success of our Institution. We hope that everyone continues to work with even more enthusiasm in the coming years.

Mr J Arul Selvan B.E., M.S, Vice President

Ms. Maria Bernadette Tamilarasi, Vice President

Ms. Maria Catherine Jayapriya, Vice President

Foreword

Our Institution's innovative curriculum and pedagogy, world-class infrastructure, advanced research facilities, robust innovation ecosystem, excellent student support system, effective governance, and best practices have contributed to our achievement in securing an A++ grade by the National Assessment and Accreditation Council in the third cycle of accreditation.

We are happy to present the major activities of Sathyabama during the year 2022-2023 in this Annual Report.

The research activity of our Institution was highly progressive, with noteworthy research in the cutting-edge areas of Science and Technology. Our Institution's performance in terms of research publications was commendable during this period. 12917 research papers were indexed in Scopus with a H index of 93, and 6300 research papers were indexed in Web of Science with a H index of 82. As the outcome of joint research with international research organisations and universities, around 1600 joint publications were made. We were granted 7 product patents, 26 design patents, 21 German patents, and 4 Australian patents and filed 207 patents this year.

With the blessings of our founder Chancellor, with the guidance of Madam Dr. Remibai Jeppiaar, and with the dynamic leadership of our Chancellor Dr. Mariazeena Johnson, President Dr. Marie Johnson, and the young and energetic Vice Presidents, Sathyabama is achieving excellence in every arena it ventures into.

I appreciate and thank all the staff members for their contribution to the progress of the Institution. I also congratulate the team involved in the preparation of this Annual Research Report.

VICE CHANCELLOR

Steering Committee

- Dr. T. SASIPRABA, **Vice Chancellor**
- Dr E LOGASHANMUGAM, **Pro Vice Chancellor**
- Dr. S.S.RAU, **Registrar**
- Dr SHEELA RANI, **Director - Research**
- Dr. G. SUNDARI, **Director Administration**
- Dr. S. IGNI SABASTI PRABU, **Controller of Examinations**
- Deans of all Schools
- Heads of all Departments

Editorial Team:

- **Dr. A. Chitra Devi**, Professor, Centre for Academic Partnership & International Relations
- **Dr. Preethi Sheshadri**, Professor, Centre for Academic Partnership & International Relations
- **Dr D Susitra**, Professor, Department of Electrical and Electronics Engineering
- **Dr M S Godwin Premi**, Professor, Department of Electronics and Communication Engineering
- **Ms. V. Lakshmi Priya**, Liaison Officer, Centre for Academic Partnership & International Relations
- **Ms Yoga P**, Liaison Officer, Centre for Academic Partnership & International Relations

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1 ABOUT SATHYABAMA

Sathyabama Institute of Science and Technology is one of the premier Higher Educational Institutions in India with a high reputation for teaching and research excellence. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with ‘A++’ Grade by the National Accreditation and Assessment council. The Institution offers under graduate and Post graduate Programmes in various fields including Engineering, Science, Technology, Law, Dental Science, Pharmacy, Nursing, Humanities and Management. Sathyabama has been conferred with 12B status by University Grants Commission which has made the Institution eligible to receive assistance from Central Government to undertake more sponsored research projects. This glorious Institution is functioning under the dynamic leadership of Dr. Mariazeena Johnson, Chancellor and Dr. Marie Johnson, President.

1.1 VISION AND MISSION

Vision

Be a leading multidisciplinary University, producing world class talents to address global challenges

Mission

- To attain excellence in Education and Research through effective collaboration with Industries and other International/National organisations
- To consistently remain an attractive ecosystem for students and employees, a hub of innovation for researchers and an incubating platform for entrepreneurs
- To create an inclusive environment that caters to all forms of diversity
- To engage in outreach and community development activities, creating an impact on the society

2 ACCREDITATIONS/RANKINGS / RATINGS

2.1 ACCREDITATION

2.1.1 NATIONAL ACCREDITATION AND ASSESSMENT COUNCIL (NAAC)

The Institution is awarded the highest rating of A++ with a score of 3.73 by National Accreditation and Assessment Council 2023 in the third cycle

2.1.2 NATIONAL BOARD OF ACCREDITATION (NBA)

A total of 11 Programmes including Computer Science, Information Technology, Electronics and Communication, Electrical and Electronics, Bio Technology, Biomedical, Civil, Chemical, Business Administration, Mechanical and Aeronautical has been accredited by the National Board of Accreditation (NBA)

2.2 INTERNATIONAL RANKINGS/RATINGS

2.2.1 QS RANKINGS/RATINGS

- Ranked 1001-1200 in the QS World University Rankings 2023
- Ranked 301-350 in the QS Asia University Rankings, 2023
- Rated as a five Star Institution for Excellence

2.2.2 TIMES HIGHER EDUCATION RANKINGS

- Ranked in 1200-1500 position by Times Higher Education World University Rankings, 2023.
- Ranked in 501-600 position in Emerging Economies Universities Ranking by Times Higher Education World University Rankings, 2023.
- Ranked in 801+ position in by Times Higher Education World University Rankings by subject (Engineering & Technology), 2023.
- Ranked in 801-1000 position in by Times Higher Education World University Rankings by subject (Life Sciences), 2023.
- Ranked in 801-1000 position in by Times Higher Education World University Rankings by subject (Physical Sciences), 2023.

- Ranked in 801+ position in by Times Higher Education World University Rankings by subject (Computer Science), 2023.
- Ranked 501+ in the world by Times Higher Education Asia University Rankings, 2022
- Ranked 401+ in the world by Times Higher Education Young University Rankings, 2022
- Ranked 601-800 in the Overall Times Higher Education Impact Rankings, 2023
- Ranked 601-800 under Sustainable Development Goal 01 (No poverty) by Times Higher Education Impact Rankings, 2023
- Ranked 801-1000 under Sustainable Development Goal 03 (Good Health and Well Being) by Times Higher Education Impact Rankings, 2023
- Ranked 401-600 under Sustainable Development Goal 10 (Reduced Inequalities) by Times Higher Education Impact Rankings, 2023
- Ranked 101-200 under Sustainable Development Goal 07 (Affordable and Clean Energy) by Times Higher Education Impact Rankings, 2023
- Ranked 301-400 under Sustainable Development Goal 09 (Industry, Innovation and Infrastructure) by Times Higher Education Impact Rankings, 2023
- Ranked 301-400 under Sustainable Development Goal 13 (Climate Actions) by Times Higher Education Impact Rankings, 2023
- Ranked 201-300 Position under Sustainable Development Goal 14 (Life Below Water) by Times Higher Education Impact Rankings, 2023
- Ranked 201-300 under Sustainable Development Goal 15 (Life on Land) by Times Higher Education Impact Rankings, 2023
- Ranked 601-800 under Sustainable Development Goal 17 (Partnership for Goals) by Times Higher Education Impact Rankings, 2023

2.3 NATIONAL RANKING ORGANISATIONS

2.3.1 NATIONAL INSTITUTIONAL RANKING FRAMEWORK (NIRF)

Sathyabama is ranked in the 51st position in NIRF Ranking 2023. This Ranking is an initiative of the Government of India to rank the higher Education Institutions. Sathyabama has been positioned in the Ranking for Teaching and Research Excellence.

2.3.2 NIRF INNOVATION RANKINGS

Sathyabama is ranked in 51-100 band among all the Institutions in India by NIRF Innovation Rankings, Govt. of India for the year 2023

2.3.3 OTHER RANKING ORGANISATIONS

- Ranked 46th position among India's Best Engineering Colleges, ranked 16th under Best Colleges offering Architecture in India by India Today, 2022
- Categorized as AAAA+ Grade Institute according to Careers 360 -Top Engineering Colleges Survey, 2022.
- Ranked No. 06 among the overall Top Engineering Institutions in India according to i3RC Times Top Engineering Institute Rankings 2022
- Ranked No.3 among the Private Top Engineering Institutions according to i3RC Times Top Engineering Institute Rankings 2022
- Ranked No. 11 Among the Top Universities in India by Outlook ICARE Universities Ranking 2022.
- Ranked No. 34 among the Top Multi-Disciplinary Universities in India by THE WEEK Survey, 2022
- Ranked No. 11 among the Private Multi-Disciplinary Universities in India by THE WEEK Survey, 2022
- Ranked No. 14 among the Top Multi-Disciplinary Universities in South Zone by THE WEEK Survey, 2022
- Ranked No. 3 among the Private and Deemed Multi-Disciplinary Universities in South Zone by THE WEEK Survey, 2021.
- Ranked No. 12 among the Top Engineering Colleges in India by Education World, 2022

3 INFRASTRUCTURE AUGMENTATION

3.1 HALOPHYTE PROPAGATION LAB FACILITY

The facility has been established at Centre for Ocean Research, Col. Dr. Jeppiaar Research Park with the funding support of DST SERB to provide the facility of growing large number of isolated cells or tissues under sterile and controlled conditions obtained from any part of the marine angiosperm (i.e. seagrasses) like leaf, rhizome leaf or with macro algae (seaweeds), which are encouraged to produce more cells in culture and to express their totipotency. Halophyte propagation techniques are being exploited in this laboratory to augment the research needs of the students and faculties and to multiply the halophyte cells for ecosystem based conservation aspects.



3.2 CENTRE FOR ADVANCED STUDIES

Sathyabama Centre for Advanced Studies, a state-of-the-art facility established with Advanced facilities that ensembles the conjunction of academic and research expertise. The Centre houses Artificial Intelligence Laboratory with Supercomputing facilities, DARE (Drone and Robotics Experimentarium) Lab consisting of Robotics Workstations, Swarm drones, Quadraped Robot, Humanoid Robot and autonomous rovers, Advanced Characterization facility with HRSTEM, FESEM and XRD Development tools, Media Centre and Centre for Innovation and Technology Transfer.



3.2.1 DRONE AND ROBOTICS EXPERIMENTARIUM

The Drone and Robotics Experimentarium (DARE) Lab is a state-of-the-art teaching and research facility that aims to be a premier Centre for Drone and Robotics research. The lab has Autonomous Drones, Industrial Robotic Arm, Autonomous Rovers, Humanoid Robot, Quadraped Robot and Robotics Workstations. All drones and robots present in the lab are fully programmable. There is no need for manual control or human intervention in their operation. All workstations come with Wi-Fi and Bluetooth communication in order to interface with the drones and robots.



3.2.2 METAVERSE STUDIO

The Metaverse Studio is a futuristic facility that transforms creativity and imagination into interactive and immersive experiences. Using cutting-edge high-performance development systems and Head Mounted Displays, this studio has a lot to offer for XR designers, XR engineers and Game developers. The studio also houses an immersion zone to fully engage yourself in the Metaverse. The Metaverse Studio encompasses Development Space, Metaverse Stations, NVidia Ampere Architecture, Ray Tracing, AI DLSS, NVidia Reflex, Blender to XR Development Tools, Unity Game Engine, Unreal Engine, Immersion Zone and Ideation Area.



3.2.3 ADVANCED CHARACTERIZATION FACILITY

Advanced Characterization facility like X-ray Diffractometer (XRD), Field Emission Scanning Electron Microscope (FESEM) and High Resolution Scanning Transmission Electron Microscope (HRSTEM) are available at the centre which can be used for understanding the structure, composition, shape, size and morphology of different kinds of materials at Nano scale.



3.2.4 AI SUPERCOMPUTING FACILITY

The AI Supercomputing Lab is a ground breaking AI research facility that aims to become a strong Centre for AI research. This lab aims to train and engage students and researchers in cutting-edge AI algorithms and its applications. The facility houses a 95-node supercomputer with 9.6 Peta FLOPS of AI performance. A tiered storage architecture is adopted to utilize flash storage and hence make data server provide industry-top ng data speeds.



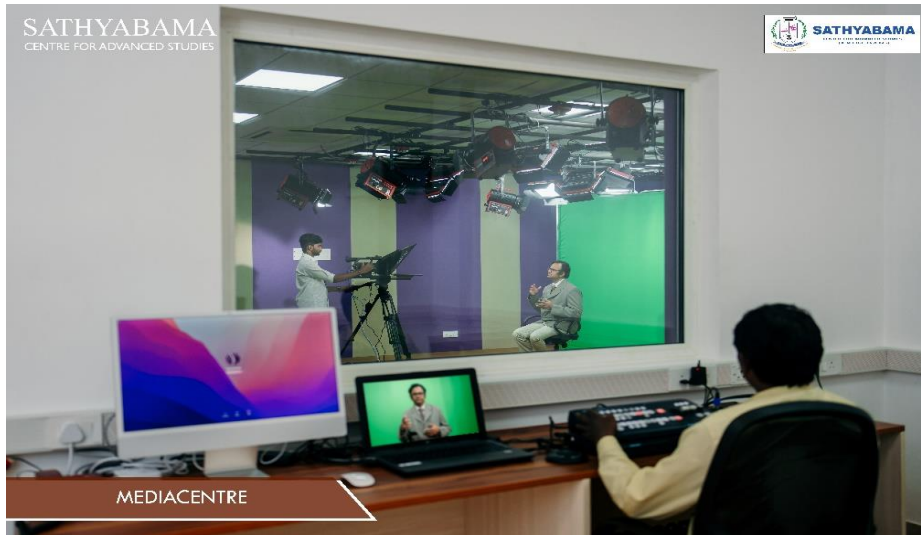
3.2.5 CENTRE FOR INNOVATION AND TECHNOLOGY TRANSFER

The Centre for Innovation and Technology Transfer aims to be a leading private deep-tech start-up hub. The Centre will support students, scientists, faculty, alumni members and external entrepreneurs in creating successful deep tech start-ups, and translating benefits to the society. The Centre nurtures technology ventures by providing technological and business support to help entrepreneurs establish business ventures. In addition to this, the centre supports the University’s scientists and faculty in product development, industry connect and commercialization.



3.2.6 MEDIA CENTRE

A Media Centre with state of the art infrastructure has been set up to facilitate preparation of e-content. This Centre helps the faculty in creating high quality Video Lectures and e-content to support online teaching-learning process.

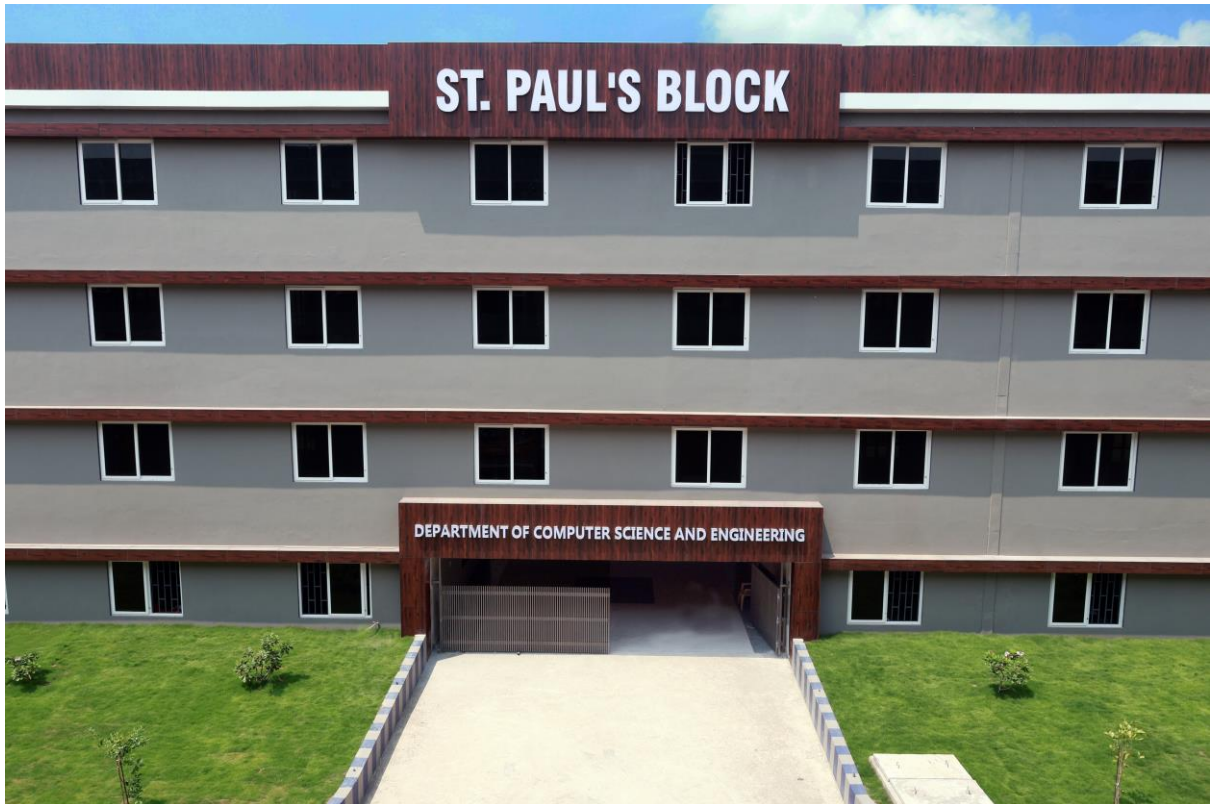


3.2.7 MAKERSPACE

Makerspace is a state of art additive manufacturing facility established to foster innovations in young engineers, facilitate research and support additive manufacturing in industries. This unique facility is distinguished as a “Centre of Excellence for Additive Manufacturing” by Stratasys, India. Makerspace includes labs for material synthesis & testing, prototype designing and tissue engineering.



3.3 ST. PAUL'S BLOCK



3.4 CENTRE FOR COMPUTER SECURITY AND SOCIETY



3.5 LABS INAUGURATED

INNOSPACE LAB

(Technology Business Incubator)

ADVANCED GEOINFORMATICS LAB

(Centre for Remote Sensing and Geoinformatics)



ELECTRONIC DEVICES LAB

(Department of Electronics and Communication Engineering)



WEB 3 LAB

(Department of Computer Science Engineering)

MACHINE VISION LAB
(Department of Computer Science Engineering)



DESIGN THINKING LAB
(Department of Computer Science Engineering)



ELECTRIC VEHICLE LAB
(Department of Electrical and Electronics)



VIDEO EDITING LAB
(Department of Visual Communication)



DIGITAL AUDIO WORKSTATION
(Department of Visual Communication)



PHOTOGRAPHY LAB
(Department of Visual Communication)



3.4.11 RESEARCH FACILITIES CREATED

AUTOMATIC WEATHER STATION

(Centre for Remote Sensing and Geoinformatics)

Automatic Weather Station



LASER PRECIPITATION MONITOR

(Centre for Remote Sensing and Geoinformatics)

Laser Precipitation Monitor



LIGHTNING DETECTION SENSOR -SATHYABAMA STATION

(Centre for Remote Sensing and Geoinformatics)

ISRO-NRSC Lightning Detection Sensor Network – Sathyabama Station



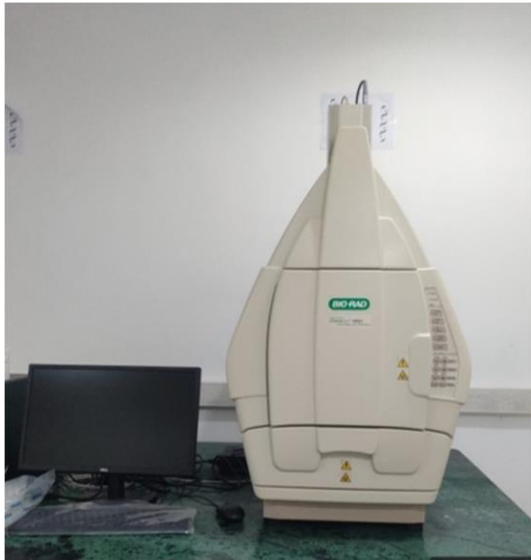
RT PCR

(Centre for Laboratory Animal Technology and Research)



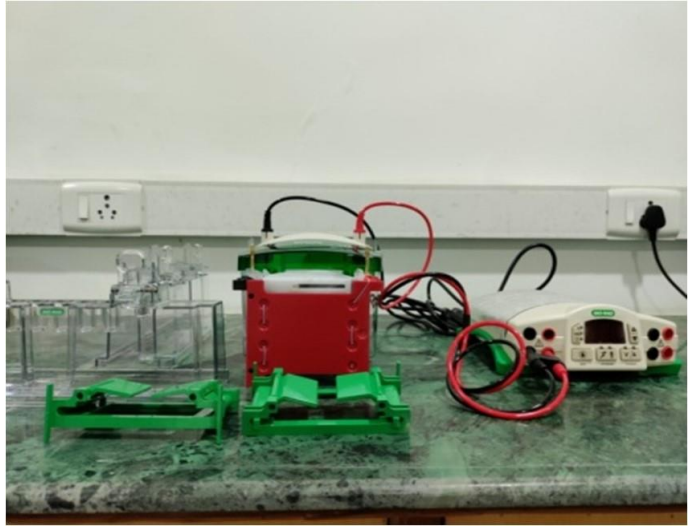
MOLECULAR IMAGER WITH CHEMI

(Centre for Laboratory Animal Technology and Research)



WESTERN BLOTTING APPARATUS

(Centre for Laboratory Animal Technology and Research)



LITHIUM ION BATTERY CHARGER/ DISCHARGER WITH METER SET UP (EEE- Electric Vehicle Lab)



E VEHICLE BLDC (HUB) MOTOR - SPRING BALANCE LOAD SET UP VEHICLE (EEE- Electric Vehicle Lab)



E VEHICLE - FOUR WHEELER - COMPLETE SET UP / WORKING MODEL (BLDC)



RTGUI FPGA PWM CONTROLLER (EEE- Electric Vehicle Lab) (EEE- Electric Vehicle Lab)



**IGBT MODULE (MOTOR DRIVER)
+DC SOURCE**
(EEE- Electric Vehicle Lab)



**BATTERY SIMULATOR &
BATTERY SIMULATOR SOFTWARE**
(EEE- Electric Vehicle Lab)



POWER QUALITY ANALYZER

(EEE- Power Electronics Lab)



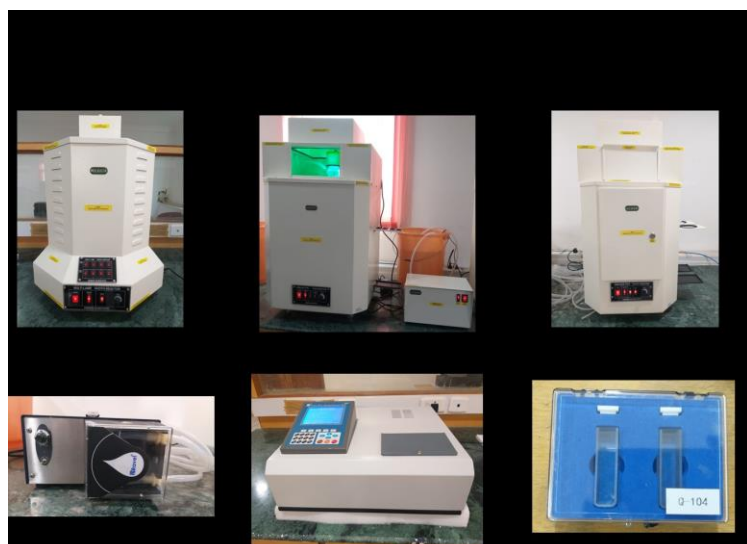
BOX TYPE VACUUM FURNACE

(Centre for Nanoscience and Nanotechnology)



**PHOTO REACTOR WITH
UV**

(Centre for Nanoscience and
Nanotechnology)



HYDROTHERMAL REACTOR
(Centre for Waste Management)



ATOMIC ABSORPTION SPECTROMETER
(Centre for Waste Management)



PHOTOBIOREACTOR
(Centre for Waste Management)



4 MAJOR EVENTS

4.1 INTERNATIONAL ECO CLUB STUDENT CHAPTER

"International Eco Club Student Chapter " inauguration took place in Sathyabama Institute of Science and Technology on 11th June, 2022 in association with the Nature Science Foundation. Dr.P.V. Sreenivasan, Director, Nature Science Foundation and Dr. Dhanalakshmi, Program Officer, Nature Science foundation presented the Student Chapter Establishment Certificate to the Institution.



4.2 INAUGURATION OF PHARMACY JOURNAL CLUB



Sathyabama Institute of Science and Technology "Pharmacy Journal Club" inauguration took place on 29th June, 2022 in Open Air Theatre at 4.00 P.M. Dr.K. Parthasarathi, Scientist shared about the insights and prospectus of journal club to student participants from School of Pharmacy.

4.3 THE 25TH REUNION FOR THE STUDENTS OF 1997 BATCH PRODUCTION ENGINEERING

The 25th Reunion for the students of 1997 batch Production Engineering was conducted on 10th July, 2022 at our campus. The former students across the world took a walk down memory lane as they visited their old classrooms and chatted away like college students. They were overwhelmed with joy as they got together.



4.4 REGIONAL MEET OF ICS, INNOVATION CELL, MINISTRY OF EDUCATION, GOVT. OF INDIA

Sathyabama Institute of Science and Technology has hosted the Regional Meet of IICs, Innovation Cell, Ministry of Education, Govt. of India on 21st July, 2021. Mr. Sivaraj Ramanathan, Mission Director & CEO, Tamil Nadu Start-up and Innovation Mission was the



Chief Guest and Dr. Abhay Jere, Chief Innovation Officer, Innovation Cell, Ministry of Education, Govt. of India was the Guest of the Honor. Mr. Dipan Sahu, Asst. Innovation Director, Ms. Selvarani, Innovation Officer of MoE, Innovation Cell addressed the participants in this meet. Around 600 participants from 120 colleges participated and 70 technical posters with 34 Innovation stalls from Startups, Angel Investors and Incubation Units are presented in this Regional Meet.

4.5 THE 25TH YEAR REUNION OF 1993-97 BATCH

The 25th year reunion of 1993-97 batch of Sathyabama Alumni happened on July 23, 2022, at our Institute. It was an incredible reunion of 140+ alumni coming from different places.



After a formal meeting with their own squad filled with joy, they were taken on a campus tour where they revisited the familiar places where they had studied and were shown the various developments that had taken place since then.

4.6 EXHIBITION ON SCIENCE AND TECHNOLOGY

Sathyabama Institute of Science and Technology organized an Exhibition on Science and Technology from 27th to 29th July 2022 supported by National Council for Science and Technology Communication, Department of Science and Technology, Govt. of India. The Exhibition was inaugurated by Prof. Madhavan Mukund, Director, Chennai Mathematical Institute. More than 1100 school students from 24 schools (Government and Private) participated in the exhibition covering all the events.



4.7 INAUGURATION OF AGRI INNOVATION HUB

our Institution was awarded with a Project titled 'Agri Innovation Hub for holistic development of Scheduled Tribe population in Anaicut Block, Jawadu Hills, Vellore District', a project sponsored by DST-SEED, Government of India. The Inauguration function of Agri Innovation Hub was held at Thekumarathur village, Jawadu Hills, Vellore District on 5th August 2022. District Collector of Vellore Thiru. Kumaravel Pandian inaugurated the Hub and appreciated our Institution for involving in such projects and working for the



development and empowerment of marginalized and underprivileged sections of the Society. Mr. Babu, Chairman of Anaicut Block also lauded the efforts of our Institution and assured the support of local administration for the implementation of the Project.

4.8 INDEPENDENCE DAY CELEBRATION

Sathyabama Institute of Science and Technology has celebrated 75th Independence day amidst students' enthusiasm and patriotic fervour. Dr. Mariazeena Johnson, Chancellor of the institution hoisted the 100 feet height national flag in the gracious presence of Tmt.Dr. Remibai Jeppiaar, Dr. Marie Johnson,



President, Vice Presidents Mr. Arul Selvan J. Ms. Maria Catherine Jayapriya and other dignitaries of the institution.

4.9 HACKATHON, 2022

The Inauguration of the Grand Finale of Smart India Hackathon 2022 was held at Sathyabama Institute of Science and Technology, Chennai on 25th August 2022. Mr. R. Prasant Kumar, Service Delivery Head, Testing Services, Nokia, Chennai was the Chief Guest of the function and delivered Inaugural Address. Mr. R. Surendar, AICTE Representative for Smart India Hackathon 2022 presented the highlights of the Event. Dr. T. Sasipraba, Vice Chancellor has delivered the welcome address and Mr. J. Arul Selvan, Vice President delivered the Presidential Address and congratulated the participants. 21 teams representing Educational Institutions across the country are participating in the Hackathon, working on 6 problem statements of NCERT, Ministry of Education. Our Institution is one of the 75 Nodal Centres in India to host the Fifth Edition of the Smart India Hackathon 2022.



4.10 31ST CONVOCATION OF SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

31st Convocation of Sathyabama Institute of Science and Technology conducted on 3rd September, 2022 at 10.00 A.M. in the institution premises. Dr. Mariazeena Johnson,



Chancellor of the institution presided the convocation. Dr. Marie Johnson, President, Vice presidents Mr.J. Arul Selvan, Ms. Maria Catherine Jayapriya graced the occasion. Dr.G. Satheesh Reddy, Scientific Advisor

to Raksha Mantri, Former Secretary, Department of Defence R&D and Chairman, DRDO, Ministry of Defence, Govt. of India is the Chief Guest and delivered the convocation address. Honorary Doctorates recipients are Dr.V. Balaguru, Outstanding Scientist, Associate Director (MBT & TOT) & Project Director (Light Tank), CVRDE, DRDO and Mr. Yuvan Shankar Raja, Music composer, Indian film industry. New Graduands, Gold medallists, Ph.D. scholars took the oath administered by the Chief Guest.



4.11 TEACHER'S DAY CELEBRATION

Sathyabama Institute of Science and Technology celebrated teacher's day today by appreciating the faculty and Scientists with merit awards and certificates for publishing papers in High impact Journals and with more Citations. Totally 175 faculty received award which accounted for a total award prize of 70 lakhs. Our Faculty who had initiated start-ups this year



were also appreciated and awarded. There were 14 new start-up companies were incorporated by the faculties from our Institution. Our Chancellor ma'am wished all the faculty and our President sir insisted that more number of faculty should get the award next year. The Vice Chancellor gave insights on the importance of Innovation and Entrepreneurship ecosystem in the campus.

4.12 34th FOUNDER'S DAY

Sathyabama Institute of Science and Technology celebrated 34th Founder's day on 6th October 2022. Dr. Mariazeena Johnson, Chancellor, Dr Marie Johnson, President and Vice



Presidents Mr.J. Arul Selvan, Ms. Maria Catherine Jayapriya graced the occasion. Around 128 teaching and non-teaching staff were encouraged for their performance by management with mementos and cash awards.

4.13 YASH – 2022

YASH – 2022, “Year of Awareness on Science and Health” Programme sponsored by National Council for Science and Technology Communication, DST Government of India is organised jointly by Centre for Ocean Research and Department of Visual Communication at

Col.Dr. Jeppiaar

Research Park from 19th - 20th October 2022.

Dr.B. Sheela Rani,

Director Research,

addressed by

emphasizing the

importance of the YASH

programme to School

students. The programme

involved invited lectures

by Experts related to Science and health.



4.14 INAUGURATION OF BACHELOR OF PHYSIOTHERAPY (B.P.T) AND MASTER OF DENTAL SURGERY (M.D.S) PROGRAMMES

Sathyabama Institute of Science and Technology has started Bachelor of Physiotherapy (B.P.T) and Master of Dental Surgery (M.D.S) programmes on 10th November, 2022. Dr.



Mariazeena Johnson, Chancellor, Dr. Marie Johnson, President, Vice Presidents graced the occasion and extended best wishes for the School of Dental Sciences and School of Physiotherapy.

4.15 TALENT HUNT 2022



4.16 THE ALUMNI MEET FOR THE MCA STUDENTS OF 1994-97

The alumni meet for the MCA students of 1994-97 batch was conducted on 19th December, 2022 at our University. 30+ alumni members of the batch '97, including some from the US and Australia attended the celebrations which was held in the presence of the distinguished members of our Institution. The former students took a walk down memory lane as they visited their old classrooms, met their professors and chatted away like college students and paid tribute to the Founder Chancellor Col. Dr. Jeppiaar.



4.17 CHRISTMAS CELEBRATION



4.18 NEW YEAR CELEBRATION




4.19 INTERNATIONAL ALUMNI MEET

International Alumni Meet

8th January, 2023 at Dubai

The Chancellor and President have interacted with all the alumni who are making us proud with their exemplary standards. 'Dubai Alumni Chapter' office bearers are delegated to Mr. Atkinse Varghese as President and Mrs. Siji George as Vice President.

We are grateful for their Presence and wish them a fruitful life ahead...



4.20 74th REPUBLIC DAY CELEBRATIONS

74th Republic Day celebrations were conducted in Sathyabhama Institute of science and technology on 26th January 2023.

Hon.Chancellor Dr Mariazeena Johnson, respected President Dr Marie Johnson, vice presidents graced the occasion and extended greetings to faculty and students. Chancellor insisted on freedom in mind, positive words, truth always towards life in the republic day message. The management appreciated all the three wings of NCC, university music band and students enthralled with dance performances.



4.21 ANNUAL EVENT CULTURAL FEST 2023

Sathyabama Institute of Science and Technology has celebrated 35 years of academic excellence on 4th February 2023 in its annual event Cultural Fest 2023. Dr. Mariazeena Johnson, Chancellor, Dr Marie Johnson, President expressed wishes to students and motivated them with their gracious presence. Vice Presidents Ms. Maria Bernadette Tamilarasi, Mr. J. Arul Selvan and Ms. Maria Catherine Jayapriya extended best wishes to the students. Mr. Rana Daggubati, Renowned Indian Film Actor enthralled participants with his special note on student's life. This cultural fest is illuminated with marvellous dance performances of students, DJ and Fashion Shows. A stunning laser show presenting 35 years of Sathyabama Journey is an awestruck moment for all the students and staff. In this context, Staff serving the institution for more than three decades are felicitated by Hon.Chancellor and most revered President of the institution.



4.22 LAUNCH OF MADHUGAI INITIATIVE

Mrs.Nayanathara, Iconic Actress of Indian Cinema launched "Madhugai - The Strength" project, which is the brainchild of Hon.Chancellor Dr Mariazeena Johnson. This project is dedicated to improve and protect health and hygiene of Govt.Higher Secondary School Girl students through the distribution of kits comprising hygiene products and High calorie nutrients. In the first phase 15 govt schools, 5 villages adopted by Hon.Chancellor are going to be the beneficiaries.

Sathyabama Institute launches Madhugai - The Strength project

Chancellor Mariazeena's dream project for girl child health

Chennai, Feb 10: Sathyabama Institute of Science and Technology has celebrated 35 years of academic excellence in its annual event Cultural Fest 2023.

Dr. Mariazeena Johnson, Chancellor, Dr Marie Johnson, President expressed wishes to students and motivated them with their gracious presence. Vice Presidents Maria Bernadette Tamilarasi, J. Arul Selvan and Maria Catherine Jayapriya extended best wishes to the students.

Nayanathara, Lady Superstar of Indian Cinema is announced as the "Sathyabama Brand



Ambassador 2023" by Chancellor Dr.Mariazeena Johnson. Nayanthara launched "Madhugai - The Strength" project, which is the brainchild of Hon.Chancellor Dr Mariazeena Johnson.

This project is dedicated to improve and protect health and hygiene of Govt.Higher Secondary

School Girl students through the distribution of kits comprising hygiene products and High calorie nutrients.

In the first phase, 15 government schools, 5 villages adopted by Chancellor are going to be the beneficiaries. A stunning laser show presenting 35 years of

Sathyabama Journey is an awestruck moment for all the students and staff. In this context, Staff serving the institution for more than three decades are felicitated by Hon. Chancellor and most revered President of the institution.

4.23 PATTIMANDRAM ON THE EVE OF DR.M.G. R 106th BIRTHDAY CELEBRATIONS

Sathyabama Institute of Science and Technology has organised Tamil Pattimandram on the eve of Dr.M.G. R 106th Birthday Celebrations held on 8th February, 2023. Hon.Chancellor Dr Mariazeena Johnson, President

Dr Marie Johnson extended their best wishes for participants. Vice Presidents Mr Arul Selvan, Mrs. Maria Bernadette encouraged students with their gracious presence. Renowned orator Dr Parveen Sultana acted as judge



and motivated student participants with her extraordinary speech.

4.24 COL. Dr. JEPPIAAR SPORTS MEET 2022

Sathyabama Institute of Science and Technology has organized Col. Dr. Jeppiaar Sports Meet 2022, a Prize distribution ceremony on 10th February, 2023. Dr. Mariazeena Johnson, Chancellor, Dr. Marie Johnson, President extended their best wishes to the winners of sports competitions. Ms. Maria Catherine Jayapriya, Vice President has graced the function and distributed the Medals, Certificates and Cash prizes to the winners. Vice President insisted on the importance of active participation of students in sports.



4.25 SATHYABAMA CULTURAL FEST 2023



4.26 TREE PLANTATION DRIVE

Eco club of Sathyabama Institute of Science and Technology conducted tree plantation on the eve of Women's Day on 08.03.2023. Vice President Ms. Maria Bernadette Tamilarasi has actively participated in the tree plantation program and extended best wishes to students.



4.27 EARTH HOUR

Eco club of Sathyabama Institute of Science and Technology observed "Earth Hour" on 25.03.2023. Student participants observed earth hour with the aim to work towards making useful contributions to planet earth protection, by means of working to create awareness on global warming.



5 LIST OF PROGRAMMES OFFERED

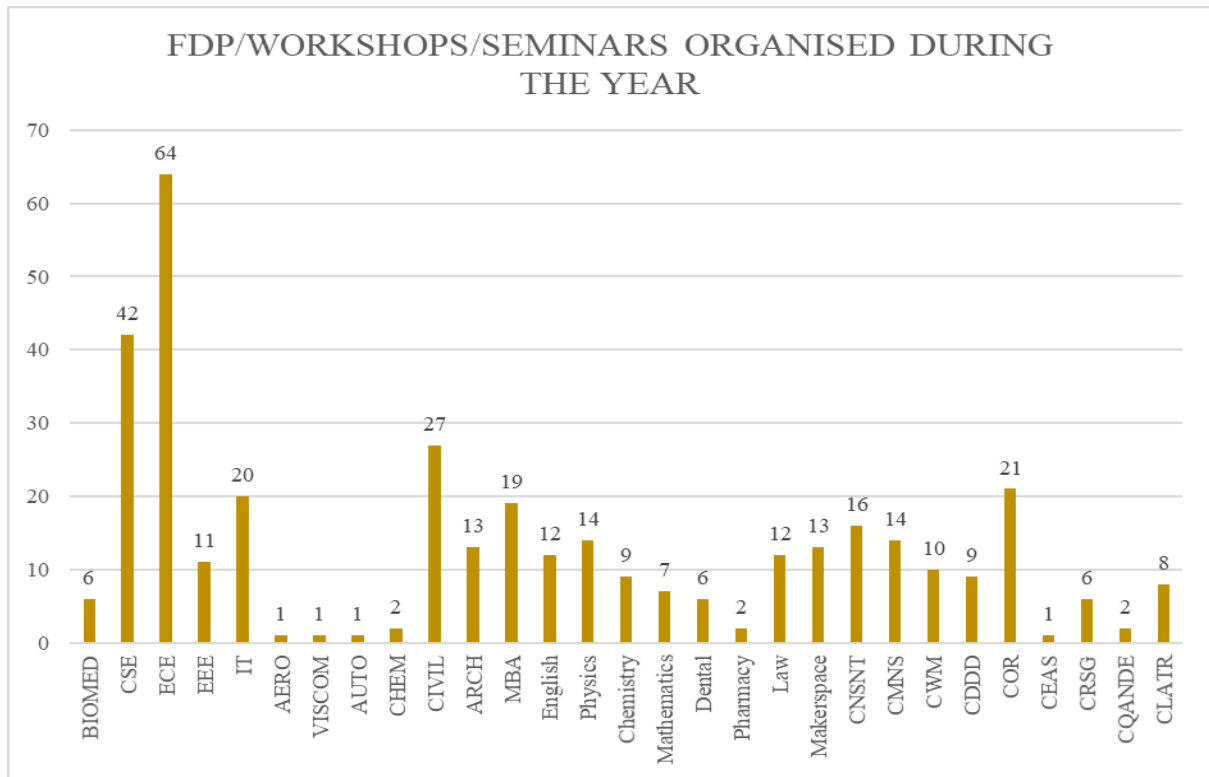
S.No	Program Name	Year of offering
1.	B.A.-English	2022-2023
2.	B.Sc.-Physics	2022-2023
3.	B.Sc.-Chemistry	2022-2023
4.	B.Pharm.-Bachelor of Pharmacy	2022-2023
5.	B.Sc.-Mathematics	2022-2023
6.	B.Sc.-Biochemistry	2022-2023
7.	B.Sc.-Psychology	2022-2023
8.	B.E.-Mechatronics	2022-2023
9.	B.E.-Computer Science and Engineering	2022-2023
10.	B.Tech.-Information Technology	2022-2023
11.	B.E.-Electronics and Communication Engineering	2022-2023
12.	B.E.-Electrical and Electronics Engineering	2022-2023
13.	B.E.-Mechanical Engineering	2022-2023
14.	B.Tech.-Chemical Engineering	2022-2023
15.	B.E.-Civil Engineering	2022-2023
16.	B.Arch.-Architecture	2022-2023
17.	B.Tech.-Biotechnology	2022-2023
18.	B.Tech.-Biomedical Engineering	2022-2023
19.	B.E.-Aeronautical Engineering	2022-2023
20.	B.Sc.-Visual Communication	2022-2023
21.	B.B.A.-Bachelor of Business Administration	2022-2023
22.	B.Sc.-Computer Science	2022-2023
23.	B.Sc.-Microbiology	2022-2023
24.	M.E.-Computer Science and Engineering	2022-2023
25.	M.E.-Computer Aided Design	2022-2023
26.	M.E.-Power Electronics and Industrial Drives	2022-2023
27.	M.E.-Applied Electronics	2022-2023
28.	M.E.-Structural Engineering	2022-2023

S.No	Program Name	Year of offering
29.	M.B.A.-Master of Business Administration	2022-2023
30.	M.Tech.-Medical Instrumentation	2022-2023
31.	M.Sc.-Visual Communication	2022-2023
32.	M.Sc.-Physics	2022-2023
33.	M.Sc.-Mathematics	2022-2023
34.	B.Com.-Bachelor of Commerce	2022-2023
35.	B.Sc.-Biotechnology	2022-2023
36.	M.Tech.-Biotechnology	2022-2023
37.	M.Arch.-Building Management	2022-2023
38.	B.E.-Automobile Engineering	2022-2023
39.	M.Arch.-Sustainable Architecture	2022-2023
40.	M.Sc.-Chemistry	2022-2023
41.	B.Com.-Financial Accounting	2022-2023
42.	B.A.-L.L.B (Honors)	2022-2023
43.	B.Com.-L.L.B(Honors)	2022-2023
44.	B.B.A-L.L.B (Honors)	2022-2023
45.	M.A.-English	2022-2023
46.	M.Sc.-Medical Biotechnology and Clinical Research	2022-2023
47.	B.Des.-Bachelor of Design	2022-2023
48.	B.Sc.-Fashion Design	2022-2023
49.	D.Pharm.-Diploma in Pharmacy	2022-2023
50.	L.L.B.	2022-2023
51.	M.E.-Embedded Systems and IoT	2022-2023
52.	M.A.-English (OL)*	2022-2023
53.	M.Sc.-Mathematics (OL)*	2022-2023
54.	M.B.A.-Master of Business Administration (OL)*	2022-2023
55.	B.Com.-Bachelor of Commerce (OL)*	2022-2023
56.	B.B.A.-Bachelor of Business Administration (OL)*	2022-2023
57.	B.E.-Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning	2022-2023

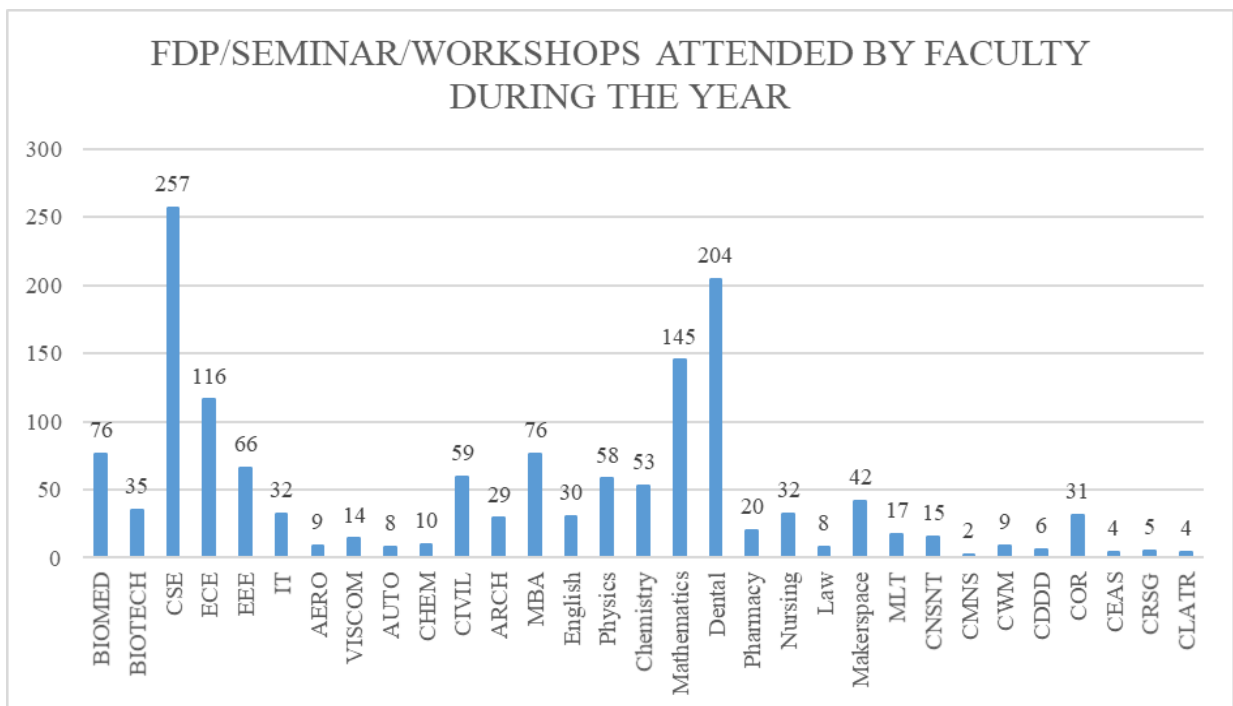
S.No	Program Name	Year of offering
58.	B.E.-Computer Science and Engineering with Specialization in Artificial Intelligence and Robotics	2022-2023
59.	B.E.-Computer Science and Engineering with Specialization in Block Chain Technology	2022-2023
60.	B.E.-Computer Science and Engineering with Specialization in Cyber Security	2022-2023
61.	M.Sc.-Computer Science	2022-2023
62.	B.Sc.-Computer Science with Artificial Intelligence	2022-2023
63.	B.E.-Computer Science and Engineering with Specialization in Artificial Intelligence	2022-2023
64.	B.E.-Computer Science and Engineering with Specialization in Internet of Things	2022-2023
65.	B.E.-Computer Science and Engineering with Specialization in Data Science	2022-2023
66.	B.Sc.-Clinical Nutrition and Dietetics	2022-2023
67.	B.Sc.-Medical Lab Technology	2022-2023
68.	B.Sc.-Bioinformatics and Data Science	2022-2023
69.	M.Sc.-Bioinformatics and Data Science	2022-2023
70.	B.D.S.-Bachelor of Dental Surgery	2022-2023
71.	M.D.S.-Conservative Dentistry and Endodontics	2022-2023
72.	M.D.S.-Orthodontics and Dentofacial Orthopedics	2022-2023
73.	M.D.S.-Paedodontics and Preventive Dentistry	2022-2023
74.	B.Sc.-Nursing	2022-2023
75.	Ph.D	2022-2023
76.	M.COM MASTER OF COMMERCE	2022-2023
77.	B.P.T BACHELOR OF PHYSIOTHERAPY	2022-2023
78.	B.A.-English	2022-2023
79.	B.Sc.-Physics	2022-2023

6 FDP/WORKSHOPS/SEMINARS

6.1 ORGANISED DURING THE YEAR



6.2 WORKSHOPS/SEMINARS/FDP ATTENDED BY FACULTY



7 HONOURS/AWARDS RECEIVED BY OUR FACULTY DURING THE YEAR

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
1.	Dr. Gayathri. P	Medical Laboratory Technology	Best Oral Presentation Award	Saveetha Dental College & Hospital	29/09/2022
2.	Dr. Gayathri. P	Medical Laboratory Technology	Best Oral Presentation Award	Excel college of Commerce & Science	25/03/2023
3.	Dr. Bethanney Janney	Biomedical	Best Paper Award	Vidya vikas institute of Science and Technology, Mysuru	23-Feb 23
4.	Ms. A Sabarivani	Biomedical	Best Paper Award	SIMATS school of Engineering	22-Sep 23
5.	Dr. V. Karthick	Centre for Ocean Research	Takeda Science Foundation Fellowship, Osaka, JAPAN	National Institute of Material Sciences, Tsukuba, Japan	22-Apr 23
6.	Dr.V.Ganesh Kumar	Centre for Ocean Research	UGC Doctoral fellowship - Mentor	UGC, Govt. of India	23-Feb 23
7.	Mr.Gautham Palaniswamy	Sathyabama TBI	Chief Innovation Officer Award	Rocheston International	18-06-2022
8.	Mr.M.Brabasuthan	Sathyabama TBI	Chief Innovation Officer Award	Rocheston International	19-06-2022
9.	Mr.M.Brabasuthan	Sathyabama TBI	Start-up Scale up Incubator 2.0	Start-up TN	27-12-2022
10.	Dr Mekalathur RojaRaman	Centre for Remote Sensing and Geoinformatics	International Travel Grant	Academia Sinica, Taiwan	26-05-2023
11.	Dr Mekalathur RojaRaman	Centre for Remote Sensing and Geoinformatics	ICTP-ICO-International Award	International Centre for Theoretical Physics, ITALY	09-06-2022
12.	Dr. P. Mohana	Centre for Remote Sensing and Geoinformatics	Best Article Writer	Patchai Bhoomi	2022
13.	Dr. P. Mohana	Centre for Remote Sensing & Geoinformatics	Best Researcher Award	Novel Research Academy	2022

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
14.	Dr Marykutty Abraham	Centre for Remote Sensing & Geoinformatics	High impact publication award	Sathyabama Institute of Science and Technology	2022
15.	Dr K. Nagamani	Centre for Remote Sensing & Geoinformatics	Best Paper Award	Dept. of School of Applied Sciences, Mongolian University of Science and Technology	2023
16.	Dr. D. Saravanan	Centre for Laboratory animal Technology & Research	Dr. APJ Abdul Kalam Distinguished Fellow Award	Bose Science Society	28.02.2023
17.	Dr. D. Saravanan	Centre for Laboratory animal Technology and Research	Certificate of Excellence in Research	EET- CRS-Education Expo	18.09.2022
18.	Dr. D. Saravanan	Centre for Laboratory animal Technology and Research	Senior fellow award	The society of innovative educationalist and scientific research professional	2022
19.	Dr. D. Saravanan	Centre for Laboratory animal Technology and Research	Sponsorship for Participation	Asian Council for Science Editors	2022
20.	R Sakthi Prabha	ECE	Best Faculty Award	Knowledge Research Academy	29-01-2023
21.	Dr.Vedanarayanan.V	ECE	Appreciation certificate	Samsung	09-06-2022
22.	Dr.Vedanarayanan.V	ECE	Appreciation certificate	Times of India	31-10-2022
23.	Dr.R.Narmadha	ECE	High Impact Factor Award	Host Institute	5.9.2022
24.	Dr.S.Lakshmi	ECE	High Impact Factor Award	Host Institute	5.9.2022
25.	Dr.M.Sumathi	ECE	Best Paper Award	Dr.M.G.R.University	28.2.2023
26.	Dr. R. M. Joany	ECE	Academic Excellence Award	Tamilnadu State Centre, IE(I) Centenary Celebrations (1922-2022)	15.12.2022

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
27.	Dr. R. M. Joany	ECE	Best Faculty Advisor Award 2023	Hosur Local Centre, on World Engineering Day,	06.03.2023
28.	Dr.S.Karthikeyan	ECE	Best Faculty Award 2022	The Institution of Engineers, HLC	21.09.2022
29.	Dr.S.Karthikeyan	ECE	Best Faculty Advisor Award 2023	The Institution of Engineers, HLC	06.03.2023
30.	Dr.M.S.Godwin Premi.	ECE	High Impact Publication 2022	Sathyabama Institute of Science and Technology	5.9.2022
31.	Dr.S.Karthikeyan	ECE	High Impact Publication 2022	Sathyabama Institute of Science and Technology	5.9.2022
32.	Dr.E.Anna Devi	ECE	Best Faculty Advisor Award 2023	Hosur Local Centre, on World Engineering Day,	06.03.2023
33.	Dr.E.Anna Devi	ECE	Best Researcher Award	Best Researcher Award	18-12-2022
34.	Dr. C. Pravda	Oral Medicine	Second Best Paper	9th International World Dental and Oral Health Congress	28th - 30th Oct 2022
35.	Dr. C. Pravda	Oral Medicine	Invited guest speaker	Tagore dental College & Hospital	22-Mar-23
36.	Dr. C. Pravda	Oral Medicine	Chairperson	Indian Academy of Oral Medicine & Radiology, Tamil Nadu branch	27th Nov 2022
37.	Dr. Nandhini Ganesan	Oral Medicine	First Prize	Challenge based learning in oral medicine and radiology 2022; Sri Ramachandra dental college and hospital	26th Aug 2022
38.	Dr. Aravinthan. S	Endodontics	Best Paper In 9th World dental and Oral health congress	World dental and Oral health congress	27 & 28 August 2022
39.	Dr. Kurinji Amalavathy. R	Endodontics	CEAT vot Award 2022	Conservative dentistry and Endodontist association of Tamil Nadu (CEAT)	14th December 2022
40.	Dr. Aravinthan. S	Endodontics	Best Paper in IES PGCON'23	Indian Endodontic Society (IES)	3rd – 5th March 2023
41.	Dr. Sumathi. H. Rao	Periodontics	Invited Guest Speaker - The Periscope	Chettinad Dental College & Hospital	02.06.2022

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
42.	Dr. Sumathi. H. Rao	Periodontics	Invited Speaker at CDE – Oral Hygiene: Myths and Facts	Tagore Dental College & Hospital, Chennai	27.07.2022
43.	Dr. Gayathri. S	Periodontics	Best Paper	International Symposium on Recent Trends in Macromolecular Structure and Function, Marine Biotechnology and Bioinformatics (ISRTMSF 2022)	08.10.2022
44.	Dr. Gayathri. S	Periodontics	Young Researcher Award	Institute of Scholars	Nov-22
45.	Dr. Sumathi. H. Rao	Periodontics	Judge - Scientific Session at PerioBUZZ UG	SRM Dental College - Ramapuram	15.12.2022
46.	Dr. Gayathri. S	Periodontics	Best Paper - Sir CV Raman Journal Club	Thai Moogambigai Dental College	15.12.2022
47.	Dr. Shifa Fathima Shajahan	Periodontics	Fellowship	Royal Society of Public Health	01.02.2023
48.	Dr S Nachiappan	OMFS	2nd Best Paper at 9th International & world dental and oral health congress- 2022	9th International & world dental and oral health congress- 2022	27th & 28th August 2022
49.	Dr S Nachiappan	OMFS	Research Excellence Award 2022	InSc Institute of Scholars	Nov-22
50.	Dr.L.Inbathamizh	Biotechnology	NPTEL Enthusiast	NPTEL IIT MADRAS	25/06/22
51.	Dr.L.Inbathamizh	Biotechnology	Swayam NPTEL Domain Award in Biosciences	NPTEL IIT MADRAS	25/06/22
52.	Dr.L.Inbathamizh	Biotechnology	Appreciation Certificate from Elsevier for Article Linked to UN SDG	ELSEVIER	27/10/22
53.	Dr.L.Inbathamizh	Biotechnology	Topper - NPTEL Biochemistry	NPTEL IIT Kharagpur	30/05/23

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
54.	Dr.M.Bavanilatha	Biotechnology	Swayam NPTEL Domain Award in Biosciences	NPTEL IIT MADRAS	04-03-2023
55.	Dr.M.Bavanilatha	Biotechnology	Genetic engg theory & applications (SILVER)	NPTEL IIT MADRAS	July -Oct 22
56.	Dr.T.Judgi	CSE	Mentor for the NPTEL online certification Course	SWAYAM	2023
57.	A. Christy	CSE	Global Teacher Award	AKS Education Awards	2022
58.	D.Deepa	CSE	NPTEL	NPTEL Swayam	2023
59.	S. Nithya	CSE	NPTEL Online Certification-silver	NPTEL	2022
60.	Dr.E.Srividhya	CSE	Mentor	NPTEL	2023
61.	Dr.S.Jayanthi	CSE	Mentor	NPTEL	2023
62.	Dr. P. Asha	CSE	Uttama Adya ka Award	Brain O Vision	2022
63.	Dr. A. Viji Amutha Mary	CSE	Best Teacher award	Avishkar Achiever's award	2022
64.	Dr.G.Nagarajan	CSE	Dr A.P.J. Abdul Kalam Teacher excellence	National Annual teacher Summit 2022,Shikshak Kalyan Foundation,Delhi.	2022
65.	Dr. T.Prem Jacob	CSE	Top 2% Most Influential Scientists	Stanford University	2022
66.	Dr. P. Asha	CSE	Utthama Aadhya ka Award - Exemplary Contributor of Research & Education	BrainOVision	2022
67.	Dr Sankari M	CSE	Best Researcher Award	National Science Foundation	2023
68.	Dr Sankari M	CSE	Top Performing Mentor	SWAYAM	2023

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
69.	Dr. Mercy Paul Selvan	CSE	Best Women Scientist Award	Avishkar Achiever's award	2023
70.	Dr. Joshila Grace L.K.	CSE	ADS scientific Index Ranking	World Scientist and University Rankings 2023	2023
71.	Dr.Suja Cherukullapurath Mana	CSE	ADS scientific Index Ranking	World Scientist and University Rankings 2023	2023
72.	Dr.K.Ashokkumar	CSE	ADS scientific Index Ranking	World Scientist and University Rankings	2023
73.	Dr J Albert Mayan	CSE	ADS scientific Index Ranking	World Scientist and University Rankings 2023	2023
74.	Dr.G.Nagarajan	CSE	Dr A.P.J. Abdul Kalam Teacher excellence	National Annual teacher Summit 2022,Shikshak Kalyan Foundation,Delhi.	2022
75.	Dr.L.Lakshmanan	CSE	Dr A.P.J. Abdul Kalam Teacher excellence	National Annual teacher Summit 2022,Shikshak Kalyan Foundation,Delhi.	2022
76.	Mrs. Parveen . A	CSE	Best Paper Award	International Conference on Recent Trends in Data Science and its Applications (ICRTDA 2023), SRM University	30.03.2023 to 31.03.2023
77.	Dr.D.Menaka	CSE	Best Paper Award	Sri Sai Ram Engineering College	10.11.2022
78.	Dr Vigneshwari	CSE	Leadership award for Pride Innovation Program	Credo systems	18/06/2022
79.	Dr Vigneshwari	CSE	World Scientist and University Rankings 2023		03-04-2023
80.	Dr.V.Gopikrishnan	Centre for Drug Discovery and Development	Best young scientist Award	Crescent Institute of Science & Technology, Chennai, India in association with Purdue University, USA	28.10.2022
81.	Dr.V.Gopikrishnan	Centre for Drug Discovery and Development	AATSEA Outstanding Leadership award	KMITL & AATSEA, Thailand	25.11.2022
82.	Dr.V.Gopikrishnan	Centre for Drug Discovery and Development	Organic inspector	AATSEA, Thailand	25.11.2022

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
83.	Amit Kumar	Centre for Climate Change Studies	International Travel Grant to attend 5th International conference on high CO2 world, Peru	US Federal Agencies	22-Jun
84.	Dr.Joyce S	MBA	Best Paper Award	SRM Institute of Science and Technology	March 31,2023
85.	Dr. Jainab Zareena	MBA	Teaching and Research Excellence Award	J. S. University & Institute for Social Reforms and Higher Education Charitable Trust, Uttar Pradesh.	20-Nov-22
86.	Dr. Yamuna.D	MBA	Excellence teaching in higher education award	Star International Foundation for Research and Education (SIFRE)	28- 05-2023
87.	Radhika S	EEE	IEEE Publication Award	IEEE Madras Section	15-10-2022
88.	S D Sundarsingh Jebaseelan	EEE	Appreciation	ELSEVIER	15-11-2022
89.	S D Sundarsingh Jebaseelan	EEE	Best Faculty Advisor	IEI - The Institution of Engineers (India), Kolkata	06-03-2023
90.	Dr.Helen Merina Albert	Physics	Best Researcher Award	APEEJAY School of Management, New Delhi	26/08/2022
91.	Dr.Helen Merina Albert	Physics	Global Eminent Research Award	VIJ Trust, Thirunindravur, TN	07-04-2022
92.	Dr.D.S.Jayalakshmi	Physics	Certificate of Technical program committee & Reviewer	Arya college of Engineering	28/04/2022
93.	Dr.D.S.Jayalakshmi	Physics	Certificate of Reviewer	Taylor and Francis Publishers	15/03/2023
94.	Dr.D.S.Jayalakshmi	Physics	Certificate of Reviewer	IEEE Conference	24/2/2023
95.	Dr.L.Lakshmi	Nursing	Best Nurse Administrator	The Tamilnadu Nurses & Midwives Council	05-09-2023
96.	Dr. P. Kuppusami	CEER/CNSNT	Life Time Achievement Award	International Research Awards on Science, Technology and Management - INSO	April, 2023

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
97.	Dr. G. Murugadoss	CEER/CNSNT	Global Researcher Award	HumCen Global Pvt.Ltd, Chennai	29-05-2022
98.	Dr.Shyju T.S.	CEER/CNSNT	International Best Researcher Award	ISSN Awards 2022	06-04-2022
99.	Dr.Shyju T.S.	CEER/CNSNT	Best Paper Award	iCAM2022	11-04-2022
100.	Dr. P. Vengatesh	CEER/CNSNT	ISSN awards	International Best Researcher award (Solar Cells)	2022
101.	Dr. Gopika G	CEER/CNSNT	DST- Science and Engineering Research Board (SERB)	Fellowship under Teachers Associateship for Research Excellence (TARE) scheme	2022
102.	Dr. K. Gobi Saravanan	Centre for Nanoscience and Nanotechnology	DST Young Scientist Award	Department of Science and Technology	02-11-2022
103.	Dr. Subhenjit Hazra	Centre for Nanoscience and Nanotechnology	Best Paper Award	iCAM-2022 conference; Sathyabama Institute of Science and Technology	04-11-2022
104.	Dr.S.Revathy	IT	For spreading awareness and holding Software Training workshops at	IIT Bombay	30/10/2022
105.	Dr.R.Subhashini	IT	Summer Research Fellowship	IASC	15/05/2023
106.	Dr.N.Nazini	Viscom	Dr.A.P.J Abdul Kalam Award - 2023	International Council for Education, research and training (ICERT) & Dept. of English, INM PG college, Meerut India	15-Jan
107.	Dr.V.Kavitha	Chemistry	NPTEL-ELITE Metals in Biology	MHRD-Govt of India	July-Sept 2022
108.	Dr. S. Jackson Durairaj	Centre for Molecular and Nano medical Sciences	InSc Research Excellence Award	InSc	13-03-2023
109.	Dr. M. Rajasekar	Centre for Molecular and Nanomedical sciences	Best Scientist Award	Nature Science Foundation, Coimbatore	15-03-2023

S.No	Name of the Faculty	Department	Name of the Award	Name of the Issuing organization	Date of the Award
110.	N.Delhiraj	Pharmacy	Eminent researcher	The Tamil Nadu All Registered Pharmacist Welfare Association	14-08-2022
111.	Mrs. Monisha.S	PHARMACY	First Best E-Poster Award	Chettinad academy of research and education, Chennai	05-11-2022
112.	Mrs. G. Shanthini Nachiar	PHARMACY	First Best E-Poster Award	25th Annual National Convention of Association of Pharmaceutical Teachers of India -APTICON-2022	2,3 &4th September-2022
113.	Dr.R.Padmapriya	CIVIL	Innovation in Education	UIJIR Academic Research foundation	30.12.2022
114.	Dr.V.Sampathkumar	CIVIL	Outstanding Researcher National Award, 2022	Kamarajar Institute of education and research, (KIER) Theni	2022
115.	Dr.C. Manoj Kumar	CIVIL	Best Paper Award	SRM Institute of Science and Technology	11.03.2023
116.	Dr.C. Manoj Kumar	CIVIL	Best Paper Award	SRM Institute of Science and Technology	11.03.2023
117.	Dr.G.Arunkumar	Mechanical	Life Time Achievement Award (National Faculty Award 2022-2023)	Novel Research Academy, Pondicherry	14-10-2022
118.	Dr.G.Arunkumar	Mechanical	Innovative Researcher and Professional Achievement Award	The Society of Innovative Educationalist & Scientific Research Professional, Chennai	26-06-2022
119.	Dr.S.Ganesan	Mechanical	Best Researcher Award	Knowledge Research Academy	25-09-2022
120.	Dr. Arulmalar	Architecture	Motivating and admirable teacher	Indian Institute of Architects, Tamilnadu chapter	21st August 2023

7.1 TOP 2% MOST INFLUENTIAL SCIENTISTS STANFORD UNIVERSITY

Dr.G. Murugadoss, Dr.T. Prem Jacob, Dr. S. Manigandan, Dr.K. Govindaraju and Dr. Jayaseelan.C are in the list of Top 2% Most Influential Scientists (Single Year) in 2023 by Stanford University Survey.



Dr.G. Murugadoss, CNSNT
AERO



Dr.T. Prem Jacob, CSE



Dr. S. Manigandan,



Dr.K. Govindaraju, COR



Dr.Jayaseelan.C, CLATR

8 RESEARCH

The Institution has a provision in place for providing Seed money for facilitating research and the conversion of innovative research and development ideas into products and services. Students are provided access to all the research facilities in the Research Centres and encouraged to do the internships in the Centres. Research committees are formed, which regularly meet to discuss about the latest developments across the world in research. Such initiatives have facilitated the prevalence of research climate in the Institution. The outcome of the research activities is propagated to the society and industry by way of publications, seminars, workshops and, symposiums.

8.1 RESEARCH FUNDS SANCTIONED AND RECEIVED FROM VARIOUS AGENCIES, INDUSTRY AND OTHER ORGANIZATIONS (MAJOR RESEARCH PROJECTS)

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
1.	BME	Ms. Sindu Divakaran	Agri innovation hub for holistic development of scheduled tribe population in Anaicut Block in jawadu hills	DST	3 years / 2021-2022	2,83,41,335	Ongoing
2.	BME	Ms. Sindu Divakaran, Dr. Grace Kanmani	Smart wearable prediction and detectable device	DST	3 years / 2021-2022	38,38,304	Ongoing
3.	COR	Dr.V.Karthick	Development of C60 Fullerene - PDMS based catheter endowed with reduced inflammation & infection	DAE-BRNS, Govt. of India	Three Years (2022 -2025)	19,37,000	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete d/Ongoing/ Sanctioned)
4.	COR	Dr.V.Karthick , Dr. T. Stalin Dhas , Dr.M.Ravi	Studies on the implication of engineered nanoparticles and bio nano composites in aquatic animal health	MoES-ESTC, Govt. of India	4 years (2019-2023)	88,25,000	Ongoing
5.	COR	Dr. D. Inbakandan , Dr. L. Stanley Abraham	Marine microbial product based eco friendly nanocomposites for marine antifouling application	DBT	3 years (2021-2024)	60,50,480	Ongoing
6.	COR	Dr.K.Govindaraju , Dr.D.Inbakandan , Dr.V.Ganesh Kumar	Isolation and identification of bioactive compounds from marine sponges for white spot syndrome virus (WSSV) control	MoES-ESTC, Govt. of India	Four Years (2019-2023)	54,19,000	Ongoing
7.	COR	Dr.V.Ganesh Kumar , Dr.K.Govindaraju , Dr.L.Stanley Abraham	Bio functionalization of gold nanoparticles for anticancer applications	MoES-ESTC, Govt. of India	Four Years (2019-2023)	52,72,383	Ongoing
8.	COR	Dr.V.Ganesh Kumar , Dr.D.Inbakandan , Dr Stanley Abraham , Dr Nazini , Dr.Vimal	DST Sathaybama health Communication Programme	NCSTC _DST	1 year (2021 - 2022)	11,00,000	Completed
9.	COR	Dr.B.Sheela Rani Dr.D.Inbakandan Dr.L.Stanley Abraham Dr V.Ganesh Kumar Dr.K.Govindaraju	TIFAC Academic Partnership Programme	TIFAC - DST	Two years (2020-2023)	40,00,000	Ongoing

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10.	COR	Dr. M. Ravi	Characterization and DNA barcoding of polychaetes from the South East Coast, India	MoES, Govt. of India	Three years and six month (2019-2023)	39,90,000	Completed
11.	COR	Dr. T. Stalin Dhas	Improving in-vivo reliability of re absorbable magnesium implant materials using biopolymer and graphene oxide nanosheets	DST-SERB (TARE)	Three years and six month (2020-2023)	18,30,000	Ongoing
12.	COR	Dr. L. Stanley Abraham, Dr. D. Inbakandan, Dr. K. Govindaraju	Enhancement of marine microbial products for biomedical applications	MoES-ESTC, Govt. of India	Four Years (2019-2023)	59, 64,333	Ongoing
13.	COR	D. D. Jeyapragash	Thermal priming and role of e genetic variation on the adaptive strategy of sragrasses under warming Ocean	DST-SERB	2 years (2022-2024)	24,50,260	Ongoing
14.	COR	Dr. D. Inbakandan, Dr. L. Stanley Abraham	Surface modification and nanotechnological approach for antifouling applications	MoES-ESTC, Govt. of India	4 years (2019-2023)	61,49,693	Ongoing
15.	COR	Dr. D. Inbakandan	Development of antifouling technologies against green mussel fouling for process cooling water system of MAPS	DAE-BRNS, Govt. of India	3 years (2021-2024)	33,97,100	Ongoing
16.	COR	Dr.B.Sheela Rani,	Earth Science & Technology Cell (ESTC) Network Project entitled Marine Biotechnological Studies	MoES	4 Years (2019-2023)	35,611,740	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
17.	Sathyabama TBI	Dr. B. Sheela Rani - , Mr. Gautham Palaniswamy	STARTUP - TN Scale up Grant	Start-up TN	1 Year (2022-2023)	300,000	Ongoing
18.	Sathyabama TBI	Dr. B. Sheela Rani - , Dr. V. Ganesh Kumar, Mr. Gautham Palaniswamy, Mr. M. Brabasuthan, Mr. R. Praveen, Mr. G. Krishna Moorthi, Mr. S. Sakthivel	Start-up Seed Fund India Scheme	DIT, Govt. of India	3 Years (2023-2026)	52,500,000	Ongoing
19.	Sathyabama TBI	Dr. B. Sheela Rani - , Co-ordinators: Dr. V. Ganesh Kumar, Dr.D.Inbakandan, Dr.L.Stanley Abraham, Dr.K.Govindaraju	TIFAC Academic Partner Centre	DST-TIFAC	2 Years (2021-2023)	4,000,000	Ongoing
20.	Sathyabama TBI	TBI	EDII Innovation Voucher Programme II - Knowledge Partner	EDII	1 Year (2023)	1,035,000	Ongoing

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21.	CEAS	Dr.P.M.Velmurugan	Toxicity of micro plastics and phthalates, as well as their abundance, distribution and diverse in ground water and surface water from Ennore to Kovalam on the east coast of India	DST-SERB	3 Years (2022-2025)	22,63,360	Ongoing
22.	CEAS	Dr. P.M. Velmurugan	Ocean Acidification and its Impact on Benthic Calcareous Organisms: Implications from Palk Strait Bay of Bengal	DST-SERB	3 Years (2020-2023)	37,25,860	Ongoing
23.	CEAS	Dr K Nagamani	Towards Developing Near real time flash flood risk monitoring scheme over India	CSIR	3 Years (2021-2024)	2,125,000	Ongoing
24.	CEAS	Dr.B.Sheela Rani, Dr.M.Roja Raman	Lightning Detection Sensor Network	NRSC/ISRO	5 Years (2023-2027)	500,000	Ongoing
25.	CLATR	1 Dr.D.Sivaraman, 2 Mr.P.S.Pradeep	Repurposing antibiotics employing rationale design of targeted Hybrid Nano Scaffold for regenerative therapy	ICMR	3 Years (2019-2023)	1,943,160	Ongoing
26.	ECE	Dr.S.S.Dawn, Dr.Vinitha Viswakarma, Dr.S.Barani, Dr.S.Poonapushpakala Dr.M.Subramoniam, Dr.Arun, Dr.Nirmala, Dr.Ram and Mr.Santosh	Science Technology and Innovation Hub in Kattumannar Koil, CD Block, Cuddalore District, Tamilnadu State	DST	2021 (3 years)	2,36,05,264	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete d/Ongoing/ Sanctioned)
27.	ECE	Dr.M.Sumathi, Dr.P.Chitra and Dr. Wilson Santosh Kumar Arunai	Detection of PCOS using AI Algorithms)	DBT	2021 years) (2	21,99,432	Ongoing
28.	ECE	Dr.M.Subramoniam, Dr.S.Poornapushpakala	A novel Non-Invasive Electronics for Early Diagnosis of Arthritis (TDP/BDTD/06/2019) BDTD – DST	DST	2019 Years) (3	24,62,196	Ongoing
29.	ECE	Dr.V.Vijaya Baskar, Dr.E.Logashanmugam,Dr.M.S.Godwin Premi	Real time plasma Localization system for TokomaK Plasma Images,	BRNS	2023 years) (2	21,87,500	Sanctioned
30.	ECE	Dr.B.Sheela rani, Dr. Inbakandan, Dr.R.Narmadha	Aquaculture cluster Group	DST-TIFAC	2021 - 2 Years	8,00,000	Ongoing
31.	ECE	Dr.T.Sasipraba, Dr.M.S.Godwin Premi, Dr.V.Vijaya Baskar, Dr. S.Karthikeyan, Dr.v.Vedanarayanan ,Dr.A.Aranganathan, Dr.R.Narmadha, Dr.N.Mathan	Exhibition on Science and Technology	Ministry of Science and Technology,(NCSTC Division)	2022 - 1 year	23,52,000	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
32.	ECE	Dr.V.Vijaya Baskar	Smart Projector, Entrepreneurship Development and Innovation Institute,	Department of MSME, Tamilnadu Government	2023 - 9 Months	196,000	Sanctioned
33.	Orthodontics	Dr.Navneetha Nambi	Biomechanical analysis of Total mandibular arch distalization using ramal plates and buccal shelf bone screws with varying retraction hook length - A Finite element study	Self-funded	6-8 months	Self-funded	completed
34.	Orthodontics	Dr.L.Xavier Dhayananth	Evaluation of Cytotoxicity, Antimicrobial activity and Frictional resistance of Orthodontic brackets coated with Zirconium, Copper and Gold Nanoparticles - An In-vitro study	self-funded	6-8 months	Self-funded	completed
35.	Orthodontics	Dr.K.M Shahul Hameed Faizee	Thesis - Comparison of Cytotoxicity, Initial Bacterial Adhesion, Biofilm formation and Color Stainability of different Clear Aligner Systems: An In Vitro Study	Self-funded	6-8months	Self-funded	ongoing
36.	Orthodontics	Dr.K.M Shahul Hameed Faizee	Thesis - Assessment of bone thickness in infrazygomatic crest, mandibular buccal shelf and anterior border of ramus in skeletal class III, class II, class I patients : retrospective CBCT study	Self-funded	6-8months	Self-funded	ongoing
37.	Orthodontics	Dr.L.Xavier Dhayananth	Evaluation of Cytotoxicity, Antimicrobial activity and Frictional resistance of Orthodontic brackets coated with Zirconium, Copper and Gold Nanoparticles - An In-vitro study	Self-funded	6-8months	Self-funded	completed

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete d/Ongoing/ Sanctioned)
38.	Orthodontics	Dr.L.Xavier Dhayananth	Evaluation of polymer leaching in different clear aligner system -An In-vitro study	Self-funded	6-8months	Self-funded	completed
39.	Orthodontics	Dr.K.M Shahul Hameed Faizee	Evaluation of Antimicrobial effect of orthodontics band cement incorporated with various biosynthesised nanoparticles	Self-funded	6-8months	Self-funded	Completed
40.	Pedodontics	Dr. Vishnu Rekha	Comparative Evaluation of Erbium Laser and Conventional Etching Methods on Micro leakage, Shear Bond Strength and Microtensile Strength of Hydrophobic and Hydrophilic t and Fissure Sealant - An in-vitro Study	Self-funded	1 Year	Self-funded	Completed
41.	Pedodontics	Dr. Vishnu Rekha	Effect of Potassium Iodide on Silver diamine Fluoride: An in Vitro Evaluation of Cariostatic Effect, Depth Penetration and Coronal Discoloration in Primary Molars.	Self-funded	1 Year	Self-funded	Completed
42.	Pedodontics	Dr. Vishnu Rekha	Comparative clinical evaluation of bacterial load (aerobe and anaerobe) in deciduous teeth with sonic activation and conventional irrigation techniques	Self-funded	1 Year	Self-funded	Completed
43.	Pedodontics	Dr. Vishnu Rekha	Evaluation of biofilm formation and micro hardness on different types of Glass Ionomer Cement restorative material	Self-funded	1 Year	Self-funded	Completed
44.	Pedodontics	Dr. Vishnu Rekha	Evaluation of micro leakage and sealing ability of MTA light cure MTA biodentin CEM as Furcal perforation repair in primary molars	Self-funded	1 Year	Self-funded	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
45.	Pedodontics	Dr. Vishnu Rekha	Evaluation of fracture resistance of tooth fragment reattached with cavity disinfectants in primary and permanent teeth.	Self-funded	1 Year	Self-funded	Ongoing
46.	Oral Pathology	Dr. Khadijah Mohideen, Dr. Saranya, Dr. Chandini	Assessment of Oxidative Stress by the Estimation of Lipid Peroxidation Marker Malondialdehyde in Patients with Periodontitis – A Systematic Review and Meta-Analysis	Non funded	6-8months	Non funded	Completed
47.	Oral Pathology	Dr. Khadijah Mohideen	Assessment of the anti-oxidant reduced glutathione in oral squamous cell carcinoma – Systematic review and meta-analysis.	Non funded	6-8months	Non funded	Completed
48.	BTE	Dr. Swarnaltha	Design and development of natural hepato protective churnam for army personal working in extreme conditions	DRDO-LSRB	3 years (2019-22)	3,237,070	Completed
49.	BTE	Dr. Swarnaltha	“Agri Innovation Hub for Holistic Development of Scheduled Tribe Population in Anaicut Block in Jawadu Hills, Vellore District, Tamil Nadu State.”	Agri Innovation Hub - DST STI	3 years	28,900,000	Ongoing
50.	BTE	Dr.Masilamani Selvam	Probiotics for shrimp culture	Sathyabama TBI	1 year (2022-23)	80,000	ongoing
51.	CSE	Dr.P.Sardar Maran	Thunderstorm and Meso-scale Processes Prediction (THUMP)	Ministry of Earth Sciences (MoES)	3 Years, 2023	20,73,280	Ongoing

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52.	CSE	Dr.L.Lakshmanan	DST Sponsored Wireless Sensor Network Platform Lab for Intellectual Services and Knowledge Management	DST-FIST	5 Years, 2018-2023	56,000,00	Completed-2023
53.	CDDD	Dr. M. Radhakrishnan, Co Dr. V. Go krishnan	Diversity and distribution of culturable and non-culturable forms of marine actinobacteria and its role in Southern Ocean biogeochemistry	MoES-NCPOR	3 years 9 Months; 2019	3,830,100	Completed
54.	CDDD	Dr. M. Radhakrishnan	Exploring marine actinobacteria for anti-infective and industrial products	DBT	3 Years; 2021	4,866,160	On-going
55.	CDDD	Dr. Krupakar Parthasarathy	Elucidating the Structural and Functional characterization of Membrane and Envelope protein from SARS CoV-2 and its variants in Virus Like Particle formation and its role in the virus assembly and release.	ICMR (VIR/COVID /23/2021/EC D-1)	3 yrs, 2022	95 Lakhs	Ongoing
56.	CDDD	Dr. Krupakar Parthasarathy	Mutational and functional analysis of Nucleocapsid (N) protein of SARS CoV-2 and its Variants in the formation of Virus like particles (VLPs)	UGC - SJS GC	5 yrs, 2022	26.48 Lakhs	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
57.	CDDD	Dr. Krupakar Parthasarathy	Identification of Biomarkers for the development of Rapid diagnostics of Pulmonary Tuberculosis by quantum dot bio-imaging	MHRD - MoE - SPARC (Scheme for Promotion of Academic and Research Collaboration) With NTU Singapore	3 yrs, 2020	48.77 Lakhs	Ongoing
58.	CDDD	Dr.T.Rajasekar	Evaluation of the Anticancer activity and the anti-metastasis mechanism of action in vitro and in vivo of Tetrapleura fruits crude extract	DBT UNESCO TWAS	1 Year ; 2022	429200	On going
59.	CDDD	K. Manigundan Dr. M. Radhakrishnan	Systematic study on vascular plant rhizosphere soil microbiota from arctic ecosystem for iron bio-fortification	NCPOR-MoES	2 Years; 2023	0	Ongoing
60.	CCCS	K Kunjulakshmi, S. Prakash (Mentor)	Assessing the conservation priorities of freshwater shrimps of western Ghats, India	The Rufford Foundation, UK	1 Year February 2023 to February 2024	5,80,000	Ongoing
61.	CCCS	Shruthika Raut, Amit Kumar	Assessing Diversity, Population Genetics, and Conservation Status of Electric Rays Along Bay of Bengal, India	The Rufford Foundation, UK	1 Year - August 2022 to July 2023	6,00,000	Ongoing

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62.	EEE	Dr. W. Abitha Memala, Dr. C. Bhuvanewari	internet of things based Signal Processing Techniques for Predictive Maintenance and Remote Condition Monitoring of Elevators	All India Council For Technical Education, New Delhi	2022-3 YEARS	Rs Lakhs 12	Ongoing
63.	EEE	Mrs. Ramya.D	Innovative school bag cum desk for under privileged students (Start-up grant)	Atal Incubation Center,IIT Kottayam	2022-3 YEARS	Rs Lakhs 15	Ongoing
64.	Physics	Dr. M. Manjula & Dr.P.Malliga	Fabrication of Efficiency Enhanced Thermoelectric Materials	UGC-DAE CSR	3years (2022)	Rs.1,35,000	Ongoing
65.	CNSNT	Dr. M. Rajasekar & Dr. G. Murugadoss	Development of novel copper sulphide-based heterostructure nanocomposite for high-performance thermoelectric device application	UGC-DAE CSR	3 Years, 23-March-2023	Rs. 14,55,000/-	Ongoing
66.	CNSNT	Dr. G. Murugadoss	Design and Fabrication of High-Efficiency Large-Area Perovskite Solar Module	SERB-TARE	3 Years, 06-10-2022	Rs. 18,30,000/-	Ongoing
67.	CNSNT	Dr. G. Murugadoss Dr. P. Kuppusami	Development of High Voltage Solid-State Flexible Super capacitors Using Graphene Based Electrode Materials and Gel-Electrolytes	UGC-DAE CSR	3 Years, 30-03-2022	Rs. 1,35,000/-	Ongoing
68.	CNSNT	Dr. Shyju T. S. , Dr. P. Vengatesh , Dr. P. Kuppusami	Development of Novel Quaternary Metal Chalcogenides for Energy Harvesting Applications	UGC-DAE CSR	3 Years, 30-03-2022	Rs.10,00,000/-	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete d/Ongoing/ Sanctioned)
69.	CNSNT	Dr. A. Dayanandhan & Dr. Shyju T.S.	Sustainable livelihood development through the production of high quantity and quality meat from the backyard poultry farming using enzymes at Uthukadu Village, Walajabad, Kancheepuram District, Tamil Nadu, India	DST-SEED	18 Months, 04-01-2023	Rs.67,72,460/-	Ongoing
70.	CNSNT	Dr. D. Dinesh Kumar & Dr. P. Kuppusami	Investigation on High-Temperature Oxidation Behavior of Super Alloys and Stainless Steel for Strategic Applications	VSSC-ISRO	24 Months (2021-2023) & February 2020	Rs.16,94,000/-	Ongoing
71.	CNSNT	Dr. D. Dinesh Kumar & Dr. P. Kuppusami	RES-LPSC-2022-003: Generation of TTT and CCT diagrams for 3 nickel based superalloys (XH67, XH55, XH43) for application in liquid engines	LPSC-ISRO	24 Months (2023-2025) & March 2023	Rs.19,00,280/-	Ongoing
72.	CNSNT	Dr. Gopika G	CsPbBr ₃ perovskite/transition metal dichalcogenides (TMDCs) based composite solar cell for enhanced power conversion efficiency	SERB-TARE	3 Years, 27th Jan 2023	Rs. 18,30,000/-	Ongoing
73.	CNSNT	Dr. Gopika G, Dr. Subhenjit Hazra, Dr. P. Vengatesh	Development of 1T Transition Metal Dichalcogenides based heterostructures for efficient Hydrogen Evolution Reaction (HER)	UGC-DAE CSR	3 Years, 30th March 2023	Rs. 1,35,000/-	Ongoing
74.	CNSNT	Dr. S. Ajith Kumar, Dr. P. Kuppusami, Dr. Gopika G	Development and Fabrication of Advanced Electrodes Architectures for Efficient Hydrogen Production Using Solid Oxide Electrolysis Cells	SERB-SURE	3 Years, 09th May 2023	Rs. 26,78,360/-	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
75.	CNSNT	Dr. Subhenjit Hazra, Dr. Ramanjaneyu Reddy	Design and synthesis of green solvent processable novel mono component photovoltaic materials to enhance the performance of organic solar cells	UGE	2021	800,000	Ongoing
76.	CNSNT	Dr. Gobi Saravanan	Bioinert/Superhydrophobic Coating – A Better Alternative for Excessive Bone Overgrowth Protection on Removable Implant Devices	ICMR	2022-2024	1,800,000	Ongoing
77.	CNSNT	Dr. Gobi Saravanan	Biomimetic Photo-responsive Thio-ene conjugated bio-adhesives: An enabler for dynamic bone repair	ICMR	2022-2025	1383501	Ongoing
78.	CNSNT	Dr. Subhenjit Hazra	Fabrication of magnetically recoverable 'bimetallic alloy nanoparticles @ porous oxide/carbon' based heterogeneous catalysts and their utility towards versatile catalytic transformations (Under UGC Start-up Grant)	UGC	Duration: 36 Months; Sanction Year:2022	10,00,000	Ongoing
79.	CNSNT	Dr. Subhenjit Hazra	Development of "DMAZ" fuel that is hypergolic with hydrogen peroxide	ISRO	Duration: 18 Months; Sanction Year:2023	16,83,660	Ongoing
80.	CNSNT	Dr. Subhenjit Hazra	CsPbBr ₃ Perovskite/ Transition Metal Dichalcogenides (TMDCs) based composite solar cell for enhanced power conversion efficiency	UGC-DAE-CSR	Duration: 36 Months; Sanction Year:2023	1,35,000	Ongoing
81.	CNSNT	Dr. Ramachandran	Science Technology and Innovation Hub in Kattumannar Koil	DST - STI HUB	3 Years 2022	23,605,264	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete d/Ongoing/ Sanctioned)
82.	IT	Dr A Sivasangari -	Scheme for promoting interest, creativity and innovation(S CES)	AICTE, Jan 2022	1 year 2022-2023	1,00,000	Sanctioned at 25.5.2022
83.	IT	Dr A Sivasangari -	An IoT based integrated health monitoring system for bulk milk cooler	KA LA IN3361 – Funding support for patent	2022-2023	5,600	Approved
84.	IT	Dr A Sivasangari -	Smart Wearable e lepsy seizure prediction and detection device	DST BDTD, Nov 2020	2 Years 2021-2023	38,38,304	Sanctioned at 22.10.21
85.	IT	Dr A Sivasangari - , Dr P Ajitha - CO-	Agri Innovation Hub for Holistic Development of Scheduled Tribe Population in Anaicut Block in Jawadu Hills, Vellore District, Tamil Nadu State	DST	3 Years 2022-2025	2,83,41,335	Sanctioned at 6.3.22
86.	IT	Dr P Ajitha -	Automate the Custom Entity Recognition process	Consultancy Project- Featurepreneur	Rs 50,000/- & one year	-	Sanctioned – Amount yet to receive
87.	IT	Dr.R.M.Gomathi - CO-	Project1-NuvoML, Project2- CNERgy -Automate the Custom Entity Recognition Process	Featurepreneur Technology, Scarborough, Canada	1 Year, Rs.50,000/-	-	Sanctioned, Fund yet to be received
88.	Viscom	Dr.N.Nazini, Mr.A.R.Vimal Raj	DST -Sathyabama Health Communication Programme (YASH)	DST- NCSTC	2021 - 2022 (one year)	11 lakh	Completed

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
89.	Chemistry	Dr.J.Karthikeyan	Exploration of Semiconductor Materials as New Photocatalysts for Organic Synthesis	SERB	3 Years (Jan 2022 - Jan 2025)	18,00,000	Ongoing
90.	Centre for Molecular and Nanomedical Sciences	Dr. Y. Beryl Vedha , Dr.S.Johnson Retnaraj Samuel - Co	Molecular mechanistic role of ar- turmerone, a promising drug candidate for the treatment of Parkinson's disease	SERB- POWER	3 years (2022-2023); 2022	2,713,425	Ongoing
91.	Centre for Molecular and Nanomedical Sciences	Dr. M.Rajasekar	Development of Novel Copper Sulphide-Based Heterostructure Nanocomposite for High-Performance Thermoelectric Device Application	UGC-DAE	2023-2025	1,500,000	Ongoing
92.	Centre for Molecular and Nanomedical Sciences	Dr. S. Jackson Durairaj , Dr.S.Johnson Retnaraj Samuel - Co	Preserving the tribal practice and exploring the molecular level evidence behind the use of s der web for wound healing and abscess.	DST-SHRI	Two years (2022-2024)	Rs 20,80,000/-	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
93.	Centre for Molecular and Nanomedical Sciences	Dr. S. Jackson Durairaj	DST-SEED/Sustainable livelihood development through technology assisted indigenous backyard poultry farming and conversion of value added products	DST	18 months; 2023	6,772,460	Ongoing
94.	Centre for Molecular and Nanomedical Sciences	Dr.S.Johnson Retnaraj Samuel -	Exploring an extinct heritage food “Marunthu Kulambu” used for rejuvenating the health of postpartum women and evaluating its scientific importance.	DST-SHRI	Two years (2022-2024)	Rs 15,69,282/-	Ongoing
95.	Centre for Molecular and Nanomedical Sciences	Dr.S.Johnson Retnaraj Samuel - Co	Sustainable livelihood development through the production of high quantity and quality meat from the backyard poultry farming using enzymes	DST	Eighteen Months (2023-2024)	Rs 67,72,460/-	Ongoing

S.No	Department	Name of the Investigators	Title of the project	Funding Agency	Duration of the project with sanctioned year	Sanctioned Amount in Rs.	Status (Complete/Ongoing/Sanctioned)
96.	Centre for Waste Management	Dr. Dawn S, Dr. Vini Vishwakarma, Dr. S. Barani, Dr. S. Poornapushpakala, Dr. J. Arun, Dr. D. Ramachandran, Dr. Subramoniam, Dr. N. Nirmala	Science Technology and Innovation Hub in Kattumannar Koil, CD Block, Cuddalore District, Taminadu State	Department of Science and Technology	2022-2025	2,36,05,264	Ongoing
97.	Centre for Waste Management	Dr. Vinita Vishwakarma, Dr. Dawn S	Development of Nanostructured Polymetallic Antifouling Coatings in Oil and Gas/ Biofuel pelines	Ministry of Human Resource and Development	2019-2021	39,59,040	Ongoing

8.2 MINOR RESEARCH PROJECTS

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
1.	Biomedical	Dr. T. Sudhakar, Ms. Sindu Divakaran	Hydra kit	Sathyabama - TBI	1 year - July 2022	50000	Ongoing
2.	Biomedical	Dr. Grace Kanmani, Dr. Bethanney Janney	Breath Analyzer	Sathyabama - TBI	1 year - July 2022	75000	Ongoing
3.	Centre for Ocean Research	Dr.K..Govindaraju , Dr.M.Ravi	Preparation of bio green carbon dots as potent and tractable antimicrobial activity	TNSCST, Chennai	2 years (2021-2023)	1,90,000	Ongoing
4.	Centre for Ocean Research	Dr. D. Jeyapragash	National Conference on Integrative-Omics in the Ocean Climate Change	DST SERB	2 days	1,00,000	Completed
5.	Centre for Ocean Research	Dr. B. Sheela Rani , Dr. D. Inbakandan , Dr. R. Thirugnanasambandam , Mr. M. Brabasuthan	Technology based Entrepreneurship Development Program in Aquaculture	DST - TEDP	6 Months	3,20,000	Completed
6.	Centre for Ocean Research	Dr.M.Moovendhan	1st International Conference on "Recent Updates in Food and Drugs from Natural Source and its Multiverse Applications" (RUFDNSMA-2023)	DST-SERB	3 days (05.07.2023 - 07.07.2023)	2,00,000	Completed

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
7.	Centre for Ocean Research	Dr. D. Inbakandan	SAMUDHRIKA	Sathyabama - TBI	1 year (2022-2023)	90,000/-	Ongoing
8.	Centre for Ocean Research	Dr. T. Stalin Dhas	Pectogel Nano biowrap	Sathyabama - TBI	1 year (2022-2023)	80,000/-	Ongoing
9.	Centre for Ocean Research	Dr. L. Stanley Abraham	Biopolymer based phyco-bags	Sathyabama - TBI	1 Year (2022-2023)	1,00,000/-	Ongoing
10.	Centre for Ocean Research	Dr. V Karthick	NanoG	Sathyabama - TBI	1 Year (2022-2023)	75,000/-	Ongoing
11.	Centre for Ocean Research	Dr.K.Govindaraju	Biochar enriched worth nanoscale micronutrients for soil fertilizer application	Sathyabama - TBI	1 Year (2022-2023)	80,000	Ongoing
12.	ECE	Dr M Sumathi	Smart Aquaculture Farming	Sathyabama	Under Review	Rs.50,000	Ongoing
13.	Biochemistry	Dr.S.Srividya	Fabrication and Characterization of a novel herbal dental implant containing Biphasic calcium phosphate fortified with the seed ethanoic extract and seed powder of Ocimum basilicum	Nil	6 Months	Nil	Completed
14.	Biochemistry	Dr.S.Srividya	Synthesis and Characterization of Phytonano Hydroxyapatite Using Ocimum sanctum	Nil	6 Months	Nil	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
15.	Biochemistry	Dr.S.Srividya	Antibacterial and Anti dandruff activity of Psidium guajava Oil	Nil	6 Months	Nil	Ongoing
16.	Biochemistry	Dr.N.Premjanu	Antibiofilm Activity Of Vetriveria Zizanioidies Roots Extract Against Dental Pathogens	Nil	6 Months	Nil	Ongoing
17.	Orthodontics	Dr.K.M Shahul Hameed Faizee	insights to proximal reduction - A cross-section survey to assess the knowledge and perception of Orthodontists and Orthodontic postgraduate students	Self-funded	6months	Self-funded	Completed
18.	Orthodontics	Dr.L.Xavier Dhayananth	Survey - who seeks and who needs orthodontic treatment - A cross sectional study to access knowledge, attitude among undergraduate dental students.	Self-funded	6months	Self-funded	Completed
19.	Orthodontics	Dr.Navneetha Nambi	Early age orthodontics -A survey among General dentist	Self-funded	6months	Self-funded	Ongoing
20.	Orthodontics	Dr.D.Hemamalini	What do orthodontists prefer? Clear aligners or fixed appliances- A perspective based study.	Self-funded	6months	Self-funded	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
21.	Orthodontics	Dr.K.M Shahul Hameed Faizee	Survey - Knowledge and Awareness on Neuromuscular Dentistry among Orthodontists and General Practitioners	Self-funded	6months	Self-funded	Ongoing
22.	Orthodontics	Dr.L.Xavier Dhayananth	Survey - Perception on facial asymmetry among Laypersons and orthodontists	Self-funded	6months	Self-funded	Ongoing
23.	Orthodontics	Dr.Jyosthna.A	Smile preferences among Orthodontist and Non Orthodontist	Self-funded	6months	Self-Funded	Ongoing
24.	Orthodontics	Dr.Ashwanthi.K	Knowledge Awareness about digital orthodontics among orthodontist and Orthodontic Residents -A survey	Self-funded	6months	Self-Funded	Ongoing
25.	Oral Medicine	Dr C.Pravda	Prevalence of Oral potentially Malignant Disorders in patients attending a private dental Institution in Chennai – a cross sectional retrospective study	Self-funded	6 months	Nil	Ongoing
26.	Oral Medicine	Dr. Saakshi Gulati	Knowledge, attitude, and practice of dental students on nicotine replacement therapy in Chennai	Self-funded	6 months	Nil	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
27.	Oral Medicine	Dr. Nandhini Ganesan	Knowledge awareness And Attitude On Use Of Multimedia Platforms In Dental Diagnosis	Self-funded	6 months	Nil	Ongoing
28.	Oral Medicine	Dr Priyanka	Knowledge, attitude and awareness of radiation protection among dental students in Chennai- a cross sectional questionnaire survey	Self-funded	6 months	Nil	Ongoing
29.	Periodontics	Dr. R. Yamini and Dr. T. Geetha	Knowledge, attitude, practice of Oral Health among Professional College Students using HUDBI Questionnaire- a cross-sectional study	Nil	Feb-23	Nil	Completed, Statistics done, Manuscript preparation ongoing
30.	OMFS	Dr Ajay Chandran	Knowledge, attitude and practice of dentists in wake of COVID-19 pandemic: An observational study - Original research article	Self-funded	6 months	Self-funded	Ongoing
31.	OMFS	Dr S Nachiappan	Surgical management of Big rare submandibular duct sialolithiasis - A case report and review of literature	Self-funded	6 months	Self-funded	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
32.	OMFS	Dr P Anusudha	Peril of surgical glove chasm during surgical extractions	Self-funded	6 months	Self-funded	Ongoing
33.	OMFS	Dr G.D. Nandini	Post - surgical instruction timings to the patient who underwent surgical extraction of impacted tooth: countermeasures on evocation and pain	Self-funded	6 months	Self-funded	Ongoing
34.	OMFS	Dr S Tharanikumar	Treatment of oral ulcers using Myristica fragrans (Nutmeg), an herbal medicine - A review article	Self-funded	6 months	Self-funded	Ongoing
35.	OMFS		Allergic reaction of aluminium and vanadium metals in titanium alloys cognisance among dentists	Self-funded	6 months	Self-funded	Ongoing
36.	OMFS	Dr R Ashok Prasanna		Self-funded	6 months	Self-funded	Ongoing
37.	Prosthodontics	Dr. HariBabu	A survey assessing the Prevalance of Neck pain among dental professionals	Self-funded	6 months	Self-funded	Ongoing
38.	Prosthodontics	Dr. Johara	Evaluation of Preclinical students' performance following simulated learning education as innovative teaching	Self-funded	6 months	Self-funded	Ongoing
39.	Prosthodontics	Dr. Balakumar	Allograft- Review of Literature	Self-funded	6 months	Self-funded	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
40.	Prosthodontics	Dr. Sankarakrishnan		Self-funded	6 months	Self-funded	Ongoing
41.	Prosthodontics	Dr. Srikanth	Comparative evaluation of retention of denture bases using Different border moulding and secondary impression materials- An in Vivo study	Self-funded	6 months	Self-funded	Ongoing
42.	Prosthodontics	Dr. Aishwarya	Assessment of Oral health related quality of life in patients after complete denture treatment in a private dental college in Chennai	Self-funded	6 months	Self-funded	Ongoing
43.	Prosthodontics	Dr. Vidya	Assessment of Oral health related quality of life in patients after complete denture treatment in a private dental college in chennai	Self-funded	6 months	Self-funded	Ongoing
44.	Oral Pathology	Dr. Chandini, Dr. Saranya, Dr. Khadijah Mohideen	Juvenile psammomatoid ossifying fibroma of the maxilla and mandible: A systematic review of published case reports.	Non funded	6-8months	Non funded	Completed
45.	Oral Pathology	Dr. Vidya KM	Bitter taste perception among smokers -A scoping review		6-8 months	Non-funded	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
46.	BTE	Dr.M.Bavanilatha	Seed Money	SIST	5/9/22(High Impact journals)	15000	Completed
47.	BTE	Dr.M.Bavanilatha	Seed Money	SIST	26/7/2022 to 5/8/22 (Staff mobility programme)	40000/per head	Completed
48.	CSE	S Vigneshwari (Co)	PMP-Project Management Portal	Sathyabama Seed	3 months	20000	selected
49.	Centre for Drug Discovery and Development	: Dr. M. Radhakrishnan; Co- :K. Manigundan	Development of functional microbial consortia for sustainable environmental and industrial applications	PrEl's Biotech India Private Limited, Chennai, Tamil Nadu, India	1 Year; 2022	1,10,000	Ongoing
50.	Centre for Drug Discovery and Development	K. Manigundan	Characterization of saline tolerant multifunctional bacterial strains isolated from Southern Ocean for plant growth promotion on rice crops	TNSCST	3 Months	7,500/-	Ongoing
51.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	Polyherbal formulation for reducing the viral load of respiratory diseases (CoVID 19) using steam therapy	Sathyabama Seed Grant	5 years, 2019	2 Lakhs	Ongoing

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
52.	Centre for Drug Discovery and Development	Dr.V.Gopikrishnan	Exploration of bio-active gments from organic waste and its value-added applications	SIST Seed Grant	2021	50,000	Ongoing
53.	Centre for Drug Discovery and Development	Dr. S. Kumaran	Active pH and intelligent packaging for food quality sensor with increased shelf life of export quality foods	EDI-IVP, Govt of Tamil nadu	1 Year; 2023	160,000	Ongoing
54.	Mathematics	Dr.M.Nirmala and Dr.D.Angel	Game based learning and gamification for calculus in math classrooms	Sathyabama	6 months,2021	Rs.45,511/-	Completed
55.	Centre for Nanoscience and Nanotechnology		Thermal Insulative Coatings for Roofs and Steels	Sathyabama	Feb-21	200,000	Completed
56.	IT	Dr.Sivasangari, Dr.S.Revathy, Dr.Gomathi	Sathyabama Canteen App	Sathyabama Seed Funding	1 Year	Rs 20,000	Completed
57.	Chemical	Dr.A.Annam Renita	Bio-polymer based Ecobags	SU-TBI	1year	1,00,000	Ongoing
58.	Chemistry	Dr. K. Chennakesavulu		EDI-TN	6 Months (2023)	2.55	Sanctioned

S.No	Department	Name of the Staff	Title of the project	Funding Agency	Duration of the project & sanctioned yr	Sanctioned Amount in	Status
59.	Chemistry	Karthikeyan Jayabalan	Design and Synthesis of Photoprotective Compounds	Tamilnadu State Council of Science and Technology	3 Months (Jan 2022 - April 2022)	7500	Completed

8.3 PATENTS PUBLISHED/AWARDED/APPLIED DURING THE YEAR

8.3.1 INTERNATIONAL PATENTS

S.N O	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
1	Australian Innovation	2021102882	Hybrid Swarm Optimization Algorithm for Clustering and Routing in IoT Networks	Bharati Ainapure, Anita Dixit, A. P. Jyothi, Neelam Sanjeev Kumar, S. Lalitha, K. N. Madhusudhan, A. Sivasangar P. Ajitha, M. Velladurai, J. Margaret Sangeetha		Granted	27/05/2021	30/06/2022

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
2	Australian Innovation	2021102752	Integrated Intelligence Resource and Security Management System For Cloud Data Centers	G.S, Prasanna Lakshmi, Gomathy Nayagam M., Janani A. P., Kavitha K., Rathika A., S Arjun, Subhashini R., Sudha N., Thangakrishnan M. Suresh, Usha D.	IT	Granted	21.05.2021	17.06.2021
3	Australian Innovation	2021106545	Method for Preparing Biofortified Seaweed Chocos Chips	Joseph Jerrine, S. Kumaran, Santhoshkumar Aruni Wilson, Shamy Mary, T. Rajasekar	Centre for Drug Discovery and Development	Granted	23.08.2021	11.11.2021
4	Australian Innovation	2021106645	Methods for promoting feed growth performance and immune response in commercial aquaculture	Elamaran Anandajothi, K. Elumalai, M. Mahendrakumar, Mariappan, N. Saradha Devi, Panangal Mani, Renuga Pugazhvendan Sampath, Santhoshkumar Aruni Wilson, Subramanian Kumaran, Thirunavukkarasu Rajasekar	Centre for Drug Discovery and Development	Granted	23.08.2021	11.11.2021

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
5	German Patent	202022103681	System for detecting melanoma - XP	Sathyabama Institute of Science and Technology		Granted	01-07-2022	28-09-2022
6	German Patent	202022103682	Portable health care device	Sathyabama Institute of Science and Technology		Granted	01-07-2022	28-09-2022
7	German Patent	202022103667	System for the isolation and characterization of probiotic species for human and animal use	Sathyabama Institute of Science and Technology		Granted	01-07-2022	10-08-2022
8	German Patent	202022103721	System for the classification and expression of the outer membrane protein OMPL 1 from pathogenic Leptospira species and for the validation of an innovative diagnostic technique in human and canine samples	Sathyabama Institute of Science and Technology		Granted	05-07-2022	18-08-2022

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
9	German Patent	202022100601	A System and Composition for Fabricating Pseudocapacitive Positive Electrodes for Aqueous Supercapacitor Applications	Anandhan Narayanasamy, Govindhasamy Murugadoss, Manavalan Rajesh Kumar, Mani Rajasekar, Thankappan Sasipraba	CNSNT	Granted	02.02.2022	21.04.2022
10	German Patent	202022103048	A System for Decorating the ZnO Surface with Tiny Sulfide Based Nanoparticles for Improving the Photocatalytic Degradation Efficiency	Hazra Subhenjit, Mani Rajasekar, Murugadoss Govindasamy, Parasuraman Kuppusami, Salammal Shyju Thankaraj, Sathyabama Institute of Science and Technology	Centre for Nanoscience and Nanotechnology	Granted	31.05.2022	21.07.2022

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
11	German Patent	202022103356	A System for Synthesizing Tin (Sn)-Decorated Ferric Oxide (Fe ₂ O ₃) Nanoparticles for Electrochemical Determination of Hydrazine	Jayalakshmi Dandu Shanmugam, Murugadoss Govindasamy, Parasuraman Kuppusami, Salla Sunitha, Sathyabama Institute of Science and Technology	CNSNT, Physics	Granted	15.06.2022	01.09.2022
12	German Patent	202022103357	A Device for preparing nanocomposites and analyzing ternary nanocomposites	Kandhasamy Narthana, Mosas Kamalan Kirubaharan Amirtharaj, Murugadoss Govindasamy, Parasuraman Kuppusami, Saravanan Kaliaraj Gobi, Sathyabama Institute of Science and Technology	CNSNT	Granted	15.06.2022	01.09.2022
13	German Patent	202022103413	A System for Preparing High Quality Electrochemical and Photocatalytic Silver Nanoparticles	Dasnamoorthy Ramachandran, Kanagasabai Viswanathan, Murugadoss Govindasamy, Parasuraman Kuppusami, Sathyabama Institute of Science and Technology	CNSNT	Granted	19.06.2022	04.08.2022

S.N O	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
14	German Patent	202022103526	A System for Developing a Solid-State Symmetric Supercapacitor by Using Graphene Derived Nickel-Copper Metal-Oxide Nanocomposite	Manavalan Rajesh Kumar, Mani Rajasekar, Murugadoss Govindhasamy, Narayanasamy Anandhan, Sathyabama Institute of Science and Technology	CNSNT	Granted	24.06.2022	22.09.2022
15	German Patent	202022103529	A composition for synthesizing Ag doped CuO and SnO ₂ nanoparticles: Application on textile dyes removal	Murugadoss Govindhasamy, Parasuraman Kuppusami, Salla Sunitha, Sathyabama Institute of Science and Technology	CNSNT	Granted	24.06.2022	18.08.2022
16	German Patent	202022103536	Solvent effect on structure and morphology of formamidinium lead tri-iodide perovskite via hydrothermal method	Murugadoss Govindhasamy, Sathyabama Institute of Science and Technology	CNSNT	Granted	26.06.2022	18.08.2022

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
17	German Patent	202022103697	System For the Production and Evaluation of Plant-Based Food Bars to Improve the Interactions Between the Gut Microbiome and The Brain	Chandini Lokkashri, Jerrine Joseph, Sathyabama Institute of Science and Technology, Thyagarajan Rajendiran	Biotechnology	Granted	04.07.2022	15.09.2022
18	German Patent	202022103699	Deep Learning Network Frame Device For Goal,Task Based On Artificial Intelligence	Anand Kumar Chauhan, Durairaj Muruganandam, Jayapal Jayapriya	Mathematics	Granted	04.07.2022	01.09.2022
19	German Patent	202022103700	Blockchain -Based internet of thing cross-Domain verification system	Anand Kumar Chauhan, Durairaj Muruganandam, Jayapal Jayapriya	Mathematics	Granted	04.07.2022	15.09.2022

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
20	German Patent	202022105378	IoT Based 4D Plan Management and Construction Thereof	Arvindan Sivasuriyan, Dhanasingh Sivalinga Vijayan, Jayapriya Jayapal, Muruganandam Durai Raj, Nirmala Ramar, Parthiban Devarajan, Ramesh Nagalingam, Sathyabama Institute of Science and Technology	Mathematics	Granted	26.09.2022	16.03.2023
21	German Patent	202022106988	A System for Synthesizing the Morphologically Tuned Nanostructures Of Nickel Oxide for High Performance Supercapacitor	Kamath Manjunath Srinivas, Krishnan Karthik, Mani Rajasekar, Mathivanan Parthibavarman, Murugadoss Govindhasamy, Murugan Dakshana, Sathyabama University, Subramani Meyvel	CNSNT	Granted	14.12.2022	16.02.2023

S.NO	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
22	German Patent	202023100372	An electromagnetic reactor device	Bavanilatha Muthiah, Deenadhayalan Rajalakshmi, Pachiyappan Senthilkumar, Sabesan Gokul Shankar, Samrot Antony Vincent, Singh Sanjay Preeth Ram	Biotechnology	Granted	27.01.2023	23.03.2023
23	German Patent	202023100390	A System and Composition for Synthesizing Ce and Sn-Doped ZnS Nanoparticles for Photocatalytic Degradation	Devarajan Dinesh Kumar, Manavalan Rajesh Kumar, Mohankumar Amirthalingam, Murugadoss Govindasamy, Narayanasamy Anandhan, Palanisamy Sundararaj, Sathyabama Institute of Science and Technology, Thiruppathi Govindhan	CNSNT	Granted	28.01.2023	23.03.2023
24	German Patent	202023100880	IoT Device Management Visualization Thereof	Anilkumar Sukumaran, Anil Kumar Thankappan, Jayapriya Jayapal, Krishaant Sathish Kumar, Kumar Hari, Muruganandam Durai Raj, Raguraman Dhamodaran	Mathematics	Granted	24.02.2023	20.04.2023

S.N O	PATENT TYPE	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	DEPARTMENT	CURRENT STATUS	FILED DATE	GRANTED DATE
25	German Patent	202023102031	A System for Producing Copper Incorporated Tungsten Oxide Nanoparticles for Performing Photocatalytic Degradation and Seed Germination Studies	Arunachalam Geetha, Baskar Leena, Daniel Paul Joseph, Govindhasamy Murugadoss, Manavalan Kovendhan, Pachaiappan Rekha, Rajendran Rathika, Satheesh Divyadharshini, Sathyabama Institute of Science and Technology	CNSNT	Granted	19.04.2023	22.06.2023
26	Malaysian Patent	PI2021004385	3D Printing of Bioresorbable Polymeric Stents for Coronary Stent Applications	1. Noorhafiza Binti Muhammad 2. Shayfull Zamree Bin Abd Rahim 3. Mohd Fathullah Bin Ghazli @ Ghazali 4. Ir Irfan Bin Abd Rahim 5. Mohd Shuhidan Bin Saleh 6. Kamalakanta Muduli 7. V.K.Bupesh Raja	Automobile	Filed	07-09-2022	

8.3.2 PRODUCT PATENTS

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
1	202241036040	A Method for Preparing Bimetallic Coating for Antibiofouling and Corrosion Protection	Sathyabama Institute of Science and Technology - Dr. Vinita Vishwakarma	Granted	23/06/2022	01/07/2022	Date Of Certificate Issue : 09/05/2023 POST GRANT JOURNAL DATE : 12/05/2023 Number: 430628
2	201941019466	Synthesis of Biologically Active Multi Targeted Isatin Based Schiff Base Complex	Dr.G.Puthilibai	Granted	16/05/2019	12/07/2019	Date Of Certificate Issue : 07/12/2022 POST GRANT JOURNAL DATE : 09/12/2022 Number :413804
3	201641037331	Compact Sensor System For Train Compartment Wash Basin Water Recovery	Sathyabama University - Dr. S S .Dawn, Mr. Ankit Kumar, Mr. Akash Dutta, Dr. Poornapushpakala, Dr. S. Barani	Granted	1/11/2016	04/05/2018	Date Of Certificate Issue : 09/05/2023 post grant journal date : 12/05/2023 Number : 431354

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
4	201641037236	Sensor Based PFC SEPIC Converter FED BLDC Motor Drive for Fan Applications	Ms.A.Santhi Mary Antony	Granted	31-10-2016	04/05/2018	Date Of Certificate Issue : 23/01/2023 post grant journal date : 27/01/2023 Number :418920
5	201841022285	Development of ceramic coatings on dental abutments for better corrosion protection	Dr.Gobi Saravanan Kaliaraj	Granted	14-06-2018	20-12-2019	Date Of Certificate Issue : 13/02/2023 post grant journal date : 17/02/2023 Number :421428
6	1654/CHE/2012	Heuristic Height Adjustable Track Mechanism for a Stair Climbing Wheelchair	Sathyabama University	Granted	27/04/2012	01/11/2013	Date Of Certificate Issue : 22/03/2023 post grant journal date : 24/03/2023 Number :426346
7	201911054049	Polymer Nanocomposite and Implementations Thereof	Chairman, Defence Research & Development Organisation Inventors - Sanjeevi Prasath, Chennakesavulu Kattela, Sasipraba Thankappan	Granted	26/12/2019	02/07/021	Date Of Certificate Issue : 27/04/2023 post grant journal date : 28/04/2023 Patent Number :430169

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
8	202041024725	Smart Cabin to Shortlist Covid-19 Patents	Dr.G.Kulanthaivel, Dr. V.Ulagamuthalvi	Granted	12/6/2020	26/06/2020	Date Of Certificate Issue : 02/08/2022 post grant journal date : 05/08/2022 Number : 402799
9	202241036025	Sweat Based Glucose Monitoring With Inbuilt Drug Delivery System	Sathyabama Institute of Science and Technology - Krishnakumar S	Published	23/06/2022	01/07/2022	
10	202241036044	Automated Artificial Intelligence and Internet of Things Integrated System for Finding Quality and Adulteration of Milk	Sathyabama Institute of Science and Technology - A.Sivasangari	Published	23/06/2022	01/07/2022	
11	202241036045	Smart Wearable Band for Patients Health Monitoring System	Sathyabama Institute of Science and Technology - A.Sivasangari, P.Ajitha, R.M.Gomathi, R.Subhashini, G.Mathivanan	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
12	202241036046	Wearable Epilepsy Seizure Detection Device	Sathyabama Institute of Science and Technology - Dr.A.Sivasangari	Published	23/06/2022	01/07/2022	
13	202241037942	Transcutaneous Electrical Nerve Stimulator	Sathyabama Institute of Science and Technology - Dr.V.Sivachidambaranathan	Published	01/07/2022	08/07/2022	
14	202241036043	Micro-Electro-Mechanical System Based Wearable Sensors for Monitoring Gait of Elder People	Sathyabama Institute of Science and Technology - A.Sivasangari, T.Sasikala, V.NirmalRani, Jabez	Published	23/06/2022	01/07/2022	
15	202241029933	IoT Based Novel One Touch Wearable Smart Watch for Stress Prediction	1. Mary Sajin Sanju I 2. F.V. Jayasudha 3. Rexiline Sheeba 4. Dr. S. Lakshmi 5. Dr. M.R. Ebenezar Jebarani 6. Dr. P. Kavipriya	Published	25/05/2022	03/06/2022	
16	202241036004	Anti-Tremor Device for Parkinson's Disease Patients	Sathyabama Institute of Science and Technology - Dr. T. Sudhakar, Prakash Pandurangan	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
17	202241036009	Smart Container	Sathyabama Institute of Science and Technology - Y.Bevis Jinila, J.Jabez, S.Prayla Shyry	Published	23/06/2022	01/07/2022	
18	202241036023	Method of Preparing Natural Preservatives for Shelf Life Extension	Sathyabama Institute of Science and Technology - Dr.M.Masilamani Selvam	Published	23/06/2022	01/07/2022	
19	202241036017	Method for Preparing Herbal Based Topical Anti Acne Gel	Sathyabama Institute of Science and Technology - Dr. Jerrine Joseph	Published	23/06/2022	01/07/2022	
20	202241036018	A Method for Preparing Biodegradable Wrapper to Protect Fresh Produce	Sathyabama Institute of Science and Technology - Jerrine Joseph	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
21	202241036019	A Method of Developing Bio-Fertilizer and Biocide from Agro Waste and Its Preparation Thereof	Sathyabama Institute of Science and Technology - Dr. Jerrine Joseph	Published	23/06/2022	01/07/2022	
22	202241036006	Method for Formulation of Plant Based Dental Varnish with Licorice Defender	Sathyabama Institute of Science and Technology - Angelin Aneesha	Published	23/06/2022	01/07/2022	
23	202241036024	A Method for Producing Biosorbent to Remove Heavy Metals in the Water	Sathyabama Institute of Science and Technology - Dr D Prabavathy	Published	23/06/2022	01/07/2022	
24	202241036038	Method for Fabrication and Evaluation of Herbal Iron Fortified Biscuits	SSathyabama Institute of Science and Technology - Dr. Jerrine Joseph	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
25	202041055479	Earthworm Coelomic Fluid as a Potential Blocking Agent in Western Blotting Experiments	Dr. S. Johnson Retnaraj Samuel, Scientist 'C' Centre for Nanoscience & Nanotechnology	Published	21/12/2020	24/06/2022	
26	202241036039	A Method to Develop Mechanically Stable, Antimicrobial Containing Biocompatible Ceramic Coated Titanium	Sathyabama Institute of Science and Technology - Dr. Vinita Vishwakarma	Published	23/06/2022	01/07/2022	
27	202241058320	A Fuel Blend and a Method of Synthesis Thereof	Sathyabama Institute of Science and Technology	Published	12/10/2022	18/11/2022	
28	202241058319	Bioethanol and Fuel Blend Comprising the Same	Sathyabama Institute of Science and Technology	Published	12/10/2022	18/11/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
29	202241036041	A Method for Removal of Cadmium (II) from Aqueous Solutions	Sathyabama Institute of Science and Technology - D Prabu	Published	23/06/2022	01/07/2022	
30	202241036042	A Method for Synthesis of Bioplastics	Sathyabama Institute of Science and Technology - Dr D Venkatesan	Published	23/06/2022	01/07/2022	
31	202241037946	A Device for Converting Bio Waste into Energy	Sathyabama Institute of Science and Technology - Dr. V. Sivachidambaranathan	Published	01/07/2022	08/07/2022	
32	202241050146	The Impact of Social Media on Student's Education	1. Dr. Jayakumar P 2. Dr. Aravind B R 3. Dr. Murugavel S 4. Dr. Godwin Raj S 5. Dr. Rajesh K	Published	2/9/2022	9/9/2022	
33	202241037943	Power Theft Detection System	Sathyabama Institute of Science and Technology - Dr. V. Sivachidambaranathan	Published	01/07/2022	08/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
34	202241037948	A Method to Monitor Photo Voltaic Efficiency Using Embedded Controller	Sathyabama Institute of Science and Technology - Dr. V. Sivachidambaranathan	Published	01/07/2022	08/07/2022	
35	202241036005	An IoT Based Integrated Health Monitoring System of Bulk Milk Cooler	Sathyabama Institute of Science and Technology - Dr. A. Sivasangari	Published	23/06/2022	01/07/2022	
36	202241036011	Method for Recognition of American Sign Language	Sathyabama Institute of Science and Technology - Dr. R. Subhashini	Published	23/06/2022	01/07/2022	
37	202241037940	Smart Assistant Device for Blind People Using Raspberry PI	Sathyabama Institute of Science and Technology - Dr. V. Nirmalrani	Published	01/07/2022	08/07/2022	
38	202241036012	Method for Automated Identification of Fish Species	Sathyabama Institute of Science and Technology - Dr. R. Subhashini	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
39	202241030690	Predict the occurrence of radiation fog using statistical and ML models	1. Dr. Rajesh Kanna M.R. 2. Mrs. Roopa S 3. Dr. Madhavi Konni 4. Dr. A. Rajini 5. Dr. K. Suvarchala Rani 6. Dr. M. Mallika 7. Dr. V. Nagalakshmi 8. Mr. Manoj Kumar Karnena	Published	28/05/2022	17/06/2022	
40	202241030371	New Product Accounting Technology for the Company	1. Dr. R. Blessie Pathmu 2. Dr. V. Vanitha	Published	27/05/2022	17/06/2022	
41	202241030719	Product Quality Testing Techniques in Business	1. Dr. V. Vanitha 2. Dr. R. Blessie Pathmu	Published	28/05/2022	17/06/2022	
42	202241062995	AI Based Computer Vision Using ML Approaches to Predict and Diagnose Autism Disorders	1. Dr. P. Saravanan 2. Dr. Shraddha Chaudhary 3. Dr. Manmohan Singh 4. Dr. K. Sampath Kumar 5. Dr. T.R. Kalai Lakshmi 6. Dr. Sheshang Degadwala 7. Dr. R. Thiagarajan 8. Dr. R. Ramkumar	Published	4/11/2022	18/11/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
43	202241058692	A Drone Authentication Approach Using Deep Neural Networks and Federated Learning	1. Dr. K. Bala 2. Mrs. C. Geetha 3. Dr. J. Paramesh 4. Dr. K. Kalaivani	Published	14/10/2022	21/10/2022	
44	202141000218	Harvesting Electrical Energy from Sound Energy Using LUO Converter for Lighting and Charging	Mrs. P. Sivagami	Published	04/01/2021	08-07-2022	
45	202241036007	Anti-Tremor Supporting System	Sathyabama Institute of Science and Technology - Dr. J. Premkumar	Published	23/06/2022	01/07/2022	
46	202241037939	Advanced Electronic Voting Machine Using Fingerprint Sensor and Arduino	Sathyabama Institute of Science and Technology - Dr.V.Sivachidambaranathan	Published	01/07/2022	08/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
47	202241037941	Internet of Things Based Anti-Theft Flooring System	Sathyabama Institute of Science and Technology - Dr.V.Sivachidambaranathan	Published	01/07/2022	08/07/2022	
48	202241037945	Enhanced Power Line Carrier Communication Based Home Automation System	Sathyabama Institute of Science and Technology - Dr.V.Sivachidambaranathan	Published	01/07/2022	08/07/2022	
49	202241036022	Formulation of Fish Feed Using Fusarium Venenatam and Its Applications on Ariopsis Seemanni Growth	Sathyabama Institute of Science and Technology - Prakash Pandurangan	Published	23/06/2022	01/07/2022	
50	202241036020	Method for Sea Food Processing and Shelf Life Extension of Fish and Fishery Products	Sathyabama Institute of Science and Technology - Dr.M.Masilamani Selvam	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
51	202241036016	Foldable Electric Three Wheeler	Sathyabama Institute of Science and Technology - Dillip Kumar Sahoo	Published	23/06/2022	01/07/2022	
52	202241036037	A Deep Root Watering System	Sathyabama Institute of Science and Technology - Dr. S Jackson Durairaj and Dr Kunal Biswas	Published	23/06/2022	01/07/2022	
53	202241037944	Method for Development of Carbon Nanotube Based Strain Sensor	Sathyabama Institute of Science and Technology - Viswanathan	Published	01/07/2022	08/07/2022	
54	202241036008	Three-Dimensional Construction Method for Tractography and Human Anatomical Structure with Skull Vault in Model Printing	Sathyabama Institute of Science and Technology - Dr.Malini Deepika, Dr.R.Subhashini	Published	23/06/2022	01/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
55	202141000213	Soil Testing Using Visible - Infrared Radiation Generation and Detection	Mrs.M.Kavitha	Published	04/01/2021	08-07-2022	
56	202241037947	DUAL-AXIS Solar Tracking System	Sathyabama Institute of Science and Technology - Dr.V.Sivachidambaranathan	Published	01/07/2022	08/07/2022	
57	202241036010	Wi-Fi Environment Monitoring System Using Internet of Things	Sathyabama Institute of Science and Technology - Dr.R.Subhashini	Published	23/06/2022	01/07/2022	
58	202241036021	Method for Producing Keratin Based Chitosan Infused Bioplastic Film from Waste Materials	Sathyabama Institute of Science and Technology - Dr.Sudha S	Published	23/06/2022	01/07/2022	
59	202141050441	Landsman converter based grid connected home energy management system	G. T. Sundar rajan	Published	03/11/2021	05/05/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
60	202041006409	Design of System For Identifying Crash Landed Flight Vehicle	Mrs. S. Poonguzhali, R. R. Immanuel Rajkumar, Dr. S. Sundar Mancharan	Published	14/02/2020	20/08/2021	
61	202211039557	Identification and Mitigation of Attacks in Wireless Sensor Network Using Trust Based Blockchain Mechanism	Dr. Rakhi Mutha, Mr. Livin M Miranda, Dr. Michael Raj TF, Mr. Yash Dhankar, Dr. Bhawna Kaliraman, Dr. Parli B. Hari, Ms. Monika, Mrs. A. Ancy Micheal, Ms.A.Annie Micheal, Dr K Prakash, Ms. Rashmi Verma, Mr.J Logeshwaran	Published	09/07/2022	22/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
62	202221046050	A System for Diagnosis and classification of bone cancer using artificial intelligence	Dr. S.K. Lanjhiyana, Dr. Sweety Lanjhiyana, Purnima Rai, Dr. Zulfa Nooreen, Shubham Tripathi, Sonali Singh, Princee Kesarwani, B. Sathiyaprasad, Prof (Dr)Vivek Singh Kushwah, Dr. Sajal Kumar Jha, Dr. Deepak Sharma, Dr. Manish Jaimini	Published	12/8/2022	9/9/2022	
63	202241001138	Artificial Intelligence Technology Based Intelligent Mobile Robot System.	Dr.Arun B Mathews, Dr. N Ramkumar, Dr.M. S. Vinmathi, Dr. Sahil Verma, Mr.B. Sathiyaprasad, Dr. Rahul Dev Gupta, Dr.Reshma V.K, Dr. Kavita, Dr. Arun Kumar Pallathadka, Dr. Harikumar Pallathadka	Published	8/1/2022	4/2/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
64	202241037150	The sentimental analysis based disease estimation and health risk prediction system	Mr.T.Venketbabu, Mr. Mohammad Owais, Rajrupa Metia, Pinaki Satpathy, Santanu Maity, Razia Sultana, Amit Bhattacharyya, Mr.J Logeshwaran, Dr. Harishchander Anandaram, Mr. Varusai Mohamed, Suman Paul, Avishek Das	Published	28/06/2022	8/7/2022	
65	202241039435	An Auto Weighted Sheet Metal Bending Removal Machine Using Deep Learning Technique	Suja Cherukullapurath Mana, Manju C Nair, R. Velvizhi, Kalaivani A, Santhiya P, D. Nancy Kirupanithi, Dr. G. M. Karpura Dheepan, N.S.Usha, G Maria Jones, Subathra .G	Published	08/07/2022	15/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
66	202241040210	Electronic Virtual Assistant in Banks using Artificial Intelligence	Dr. S. Albert Antony Raj, Mrs. Subapriya V, Ms. S. Riyazbanu, Ms. Singamaneni Krishnapriya, Dr. R Kanimozhi, Mr. Yasar Masud, Dr. Bramah Hazela, Dr. Girraj Sharma, Dr.R. Indumathy, Dr. D. Kirubakaran	Published	13/07/2022	22/07/2022	
67	202241043127	Design System of Healthcare Services Powered by IoT and Fog Computing for Smart Cities	Mr.Deependra Rastogi, Dr. Tanvi Gupta, Mr. Abhinav Raghav, Mr.Soumalya Ghosh, Dr. Ramarcha Kumar, Mr.B. Sathiyaprasad	Published	27/07/2022	05/08/2022	
68	202241043689	A secured IoT Data sharing based on deep reinforcement learning	Dr. C. Hemalatha, Dr. C. Kavitha, Dr. Kanipriya M, Dr. N. Sridevi, Dr. M. Suganiya, S.R. Srividhya, S. Pothumani, Priyanka N	Published	30/07/2022	05/08/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
69	202241044520	Method for manufacturing biodegradable polymeric nanoparticle drug	Dr. Helen Merina Albert, Mrs. RuthKeziah M., Dr. G. Vimala, Dr. M. Parthasarathy, Mrs. S. Lingeswari, Dr. N. Mujafarkani, Dr. Sinha Ashutosh Kumar, Dr. Kumara Swamy Jella, Mr. Sanjay Kumar Kuna, Mr. Shake Hussain Basha, Dr. D. V. Lokeswar Reddy	Published	03/08/2022	05/08/2022	
70	202241046215	A Secure block-chain based Medical Internet of Things (MIoT) for Healthcare Data Management	Dr.Arulprakash.A, Mr.Deependra Rastogi, Mrs.Aanchal Vij, Mr.Sathiyaprasad, Mr.K. Babu, Mr. Tamilselvan.T	Published	12/08/2022	19/08/2022	
71	202241047815	A Modern Digital Framework for Smart Cities Based On Block Chain and Fog Computing Technologies	Dr. A. Christy, Dr. M.D. Anto Praveena, Dr. L. Suji Helen	Published	22/08/2022	23/09/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
72	202241048824	Next Generation System On Chip With IIoT(soc) With Iiot Suitable For 5g Network	Dr.R.Narmadha, Dr. A.Sahaya Anselin Nisha, Dr.V Balamurugan, Dr. V. Vedanarayanan	Published	26/08/2022	02/09/2022	
73	202241050162	Smart Surveillance System on Infrastructure Breach in Interior Residential Metropolitans Areas (CoPI)	Dr. V N Manju, Prof. Krishna Sowjanya K., Prof. J. Dhiviya Rose, Prof S. Christalin Nelson, Dr.R.Sathya Bama Krishna, Cmrit Institute Of Technology	Published	02/09/2022	24/02/2023	
74	202241052384	A Novel Portable Machine to Sanitize Footwear	Thiyagarajan Anitha, Dr.S.Sundararajan, Mrs. M. Renuga, Mrs. K. V. Mahalakshmi, Dr.R.Venkateshkumar, Mr.K.S Mohan, Mr.Dinesh V, Dr.Bethanne Janney J, Dr.M.Udhayamoorthi, Dr.Dishore Shunmugam Vanaja	Published	14/09/2022	14/10/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
75	202241053438	Artificial Neural Network based system for predicting child mental stress	Dr. G. M. Karpura Dheepan, Dr. B. U. Anu Barathi, Mr. K. Babu, Mr. Amandeep Singh K, Mr. G. Muthugurunathan, Dr. S. Rajashree, Dr. M. Nafees Muneera, Dr. A. Jemshia Miriam, Mrs. Suja Cherukullapurath Mana, Dr. N. S.Usha	Published	19/09/2022	14/10/2022	
76	202241055994	An IoT and Wireless Based Autonomous Firefighting Drone through Machine Learning	Dr.S.Vijayalakshmi, Dr. Archana B, Prof Yashaswini Gowda N, Dr. Anjaneya L.H., Dr.Jayaraman Venkatesh, Mr.Joel T, Smt. Smitha S Kamble, Dr.Veena K, Dr.K. Manikandan, Dr.G. Narayanan	Published	29/09/2022	07/10/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
77	202241058461	Design System of IoT-Driven Leaf Infection with Soil Property Prediction by Using Deep Learning	Dr.M.Kumaresan, Mrs.Swati Verma, Mr.R.Vignesh, Mrs.D.Deepa, Mrs.D Jennifer, Mr.Murali E, Mrs.Priyanka Rastogi, Dr.Rasmi.A, Dr.G Maria Jones, Dr.Sreeji.S	Published	13/10/2022	21/10/2022	
78	202241061659	Design system of Machine Vision-Based Person Detection Under Low-Illuminance Conditions Using Machine learning for Visual Surveillance System	Mrs.V. Subapriya, Mrs.V.Hema, Mrs.R.Asha, Mr.K.Babu, Mrs.V.Dharani, Mrs.V.Vaissnave, Mrs.D.Menaka, Mr.B.Sathiyaprasad	Published	29/10/2022	04/11/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
79	202241063001	ML Strategies Approach for Analysis of IoT Traffic Mechanisms in an IoT Cloud Environment	Dr. Venkateswarulu Naik. B, Dr. N. Shanmugapriya, Dr. Garima Srivastava, Golla Naresh Kumar, Dr. T. R. Kalai Lakshmi, Dr. Sheshang Degadwala, Dr. R. Thiagarajan, Dr. R. Ramkumar	Published	04/11/2022	18/11/2022	
80	202241065775	Design System for Detecting Blood Leakage during Hemodialysis using Real-Time Internet of Medical Things	Ms.R.Asha, Dr. J. Jeslin Shanthamalar, Dr. Nancy Noella R S, Ms. Devipriya M, Ms. Lakshmi Priya S, Mrs. Nithya S, Ms.C.A.Daphine Desona Clemency, Mr. K.Babu, Mr. B. Sathiyaprasad, Dr. Sreeji. S	Published	16/11/2022	25/11/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
81	202241070398	IoT-Driven System of Intelligent Healthcare System using Frequency Amplitude of ECG Signals with Machine Learning	Mr.B.Sathiyaprasad, Dr.Nancy Noella R S, Ms. Devipriya M, Ms. Lakshmi Priya S, Ms. G. Lavanya, Mrs.Parveen Akhther, Ms. R. Nivedha, Ms. B. Balasaigayathri, Mrs.G. Anbu Selvi, Dr. Sreeji. S	Published	06/12/2022	30/12/2022	
82	202241070999	An IP Protocol Based Central Regional Business Management System and Operation Method Thereof	Mrs.T.Ilakkiya, Dr. Ila Dixit, Mr. Sidharth Rajendra Patil, Dr.TR.Kalai Lakshmi, Dr.V.Dhayalan, Dr. S Rehan Ahmad	Published	08/12/2022	30/12/2022	
83	202241073594	Super magnetic Iron Oxide nanoparticles coated coriander fibre	Dr. Muthiah Bavanilatha, Ms. Deenadhayalan Rajalakshmi, Ms. Nagarajan Shobana, Ms. Subramanian Saigeetha, Ms. Mahendran Sathiyasree, Mr. Sanjay Mallapu, Mr. Ram Singh Sanjay Preeth	Published	19/12/2022	30/12/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
84	202241076371	A system for human resource management using artificial intelligence and robotics	Dr.Gopirajan PV, Dr.M.Jayaprakash, Mr. Mohammad Wasim, Mrs.Deepa, Dr.S.Jayasankari, Mrs.B.Vishnu Prabha, Dr.Seethi Reddy Reddisekhar Reddy, Dr .Veena K, Mr.Pradeep G, Mr. Anjani Kumar	Published	28/12/2022	06/01/2023	
85	202241077461	Design Intelligent Human Activity Tracking and Monitoring System for eHealthcare using IoT	Mr.K.Babu, Ms.K. Neela, Ms.R.Asha, Dr.A.Deepa, Mrs.Parveen Akhther, Mr. Prasanth V.S, Ms.M Beula kutti, Ms.Reddy Selvam Mamatha, Mr. B. Sathiyaprasad, Dr. Sreeji. S	Published	31/12/2022	06/01/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
86	202311004286	Financial Technologies as a tool for comprehensive banking services	Dr. Neeraj Gogia, Dr. Namrata Gupta, Dr. Yamuna.D, Renugadevi. B, Mr. Divesh Dutt, Dr. Lalitha B S, Dr Kirti Khanna, Dr. Prabhakar Gopichand Motghare	Published	21/01/2023	27/01/2023	
87	202311006402	Customer Satisfaction towards Receiving the Products from E-Commerce Logistics	Dr. Mukul Gupta, Dr. R. Maheswari, Dr. V. Kannan, Mr. J Logeshwaran, Dr. Joyce S, Mrs. Milka Vijayan, Dr. S. Umamaheswari, Dr. Nasa Dhanraj, Dr. Manoj AS, Dr. V. Sangeetha, Dr. C. Ganesan, Dr. Vimla	Published	01/02/2023	10/02/2023	
88	202321015802	Robust and Efficient Detection of Cancer Detection Using Machine Learning and Deep Learning Techniques	Dr. Namit Pathak, Dr. V. Kalaimani, Anusha P, Dr. Sanjogta Meshram, M Revathy Meenal, Dr. N. Mathan, Dr. M. John Paul, R Krishna Kumar, Dr. Palani A, Dr. Sankar. K	Published	09/03/2023	24/03/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
89	202341001238	Machine Learning based approaches to couple Numerical Solutions of PDE	Dr.S.Cynthiya Margaret Indrani, Dr.M.Kavitha, Ms.D.L.Yamini Latha, Dr. N. Srinivasan	Published	05/01/2023	13/01/2023	
90	202341003891	Blueprint Of Green Sustainable And Clean Renewable Energy	Dr.Vedanarayanan.V, Dr.Pratibha Choudhary, Dr. Ahalya N, Dr. Amit Kumar Marwah, Dr. D. Arunkumar, Dr. Moti Lal Rinawa	Published	20/01/2023	03/02/2023	
91	202341004218	Deep Learning Approach for predicting Ocean parameters	Dr.D.Menaka, Dr.Dasari Naga Vinod, Dr. Banu Priya P, Dr. Subash R, Mr.Gopi K	Published	21/01/2023	03/02/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
92	202341005248	Artificial Intelligence Healthcare Chat Box System	Dr. Vijay Arputharaj. J, Mr. Vijjapu Anuragh, Dr. M. P. Vaishnnave, Dr. Shubham Mahajan, Dr. Barjinder Kaur, Dr. R. Kanakaraj, Mr. Ranjithkumar R, Mr. Parashuram Shankar Vadar, Dr. Charu Gupta, Dr. Palak Girdhar, Dr. V. Kannan, Mr. J Logeshwaran	Published	26/01/2023	24/02/2023	
93	202341005697	Nanochip and bio-sensor based precision farming	Dr. M. Durga Bhavani, Dr. B. Arunkumar, Dr. M. Manjula, Dr. Shaik Fakruddin Babavali, Dr. M. Reddi Babu, Dr. Shobha Thakur, Mrs. V Rama Lakshmi, Dr. Richa Sharma, Mr. Adabala Kumar Sanjay, Dr. K.V. Madhusudhan	Published	28/01/2023	03/02/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
94	202341008950	An Analysis of Technology Assisted Language Learning to Improve Communication Skills of IT Employees	Dr. Aravind B R, Dr. Jayakumar P, Dr. Rajesh K, Dr. Godwin Raj S, Dr. Murugavel S, Ms. K. Pradeepa, Mr. Harishraj A N, Mr. N. Devadhas Prabu, Dr. M. Shanmugathai, Ms. Manibha M. P	Published	11/02/2023	17/02/2023	
95	202341010710	Design system of Deep Learning-Based Leaf Disease Detection in Crops Images for Agricultural Applications	Ms.M. Gowri, Dr. Babu. K, Dr.Gomatheeshwari B, Dr G Maria Jones, Ms.S.Maheswari, Dr. R. Udendhran, Ms.G.kavitha, Mr. B. Sathiyaprasad, Ms.K. Neela, Mr. Vijay Ramalingam	Published	17/02/2023	17/03/2023	
96	202341011576	AI Based Nanotechnology to Treat Blood Cancer Nodes	Mrs.K.Anita Davamani, Dr.N.Kavitha, Dr. Jebarani Evangeline S, Dr. K. Sangeetha, Ekta Shivhare, Dr.S.Prakash	Published	20/02/2023	17/03/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
97	202341013963	Impact of 'Make In India' International Marketing Campaign towards Indian Economy	Dr. E. Mubarak Ali, Dr. Rajesh Tiwari, Mrs. Sonali A Sathe, Dr. M. Sindhu, Dr. P. Anitha, Ms. M. Jayaseely, Dr. L. Jalaja, Dr. Rajendra Subhash Jarad, Dr. Shikha Singh, Ms. Madhuri Tiwari, Ms. Chetna, Ms. Rajbeer Kaur, Dr. V. Kannan, Mr. J Logeshwaran	Published	02/03/2023	24/03/2023	
98	202341016399	An algebraic method for solving combinatorial optimization problems	Dr. Kuparala Venkata Vidyasagar, Dr. M. Mallika, Dr. M. Nirmala, Dr. Nellore Manoj Kumar, Mr. Keshav Raghunath Kale	Published	12/03/2023	17/03/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
99	202341017414	Artificial Intelligence, Big Data, Internet of Things, and Blockchain Techniques and Applications in Smart Energy Management	Prasanth V.S, Parveen Akhther. A, Yatish S J, Ravindra Kumar Yadav, Mohd Suhaib Abbasi, Kalva yamini, Dr.Sheetal Atul Phatangare, T. Prabakaran, Neerav Nishant, Dr.A.Sasi Kumar, Priyank Udaybhai Trivedi, Deepak Bansal	Published	15/03/2023	07/04/2023	
100	202341023737	Image Processing Based Automatic Fish Cutting Machine	Dr. V. Sumathi, P. Navaneethkrishnan, Dr. J. Senthil Murugan, S Perumal, Mr. Sachin Bajirao Satam, Dr. Suresh Babu Changalasetty, Dr. Lalitha Saroja Thota, Dr. Suja Cherukullapurathmana, Mr. Amith Kumar G, Dr. W T Chembian	Published	30/03/2023	21/04/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
101	202341025001	Design system of Real-Time Moving Object Segmentation for Automated Driving using IoT	Mr.E.Murali, Dr A.C. Santha Sheela, Mr.R.Vignesh, Ms. D. Deepa, Ms.Suja Cherukullapurath Mana, Dr. G. Kalaiarasi, Dr. M. Selvi, Ms.R.Yogitha, Mr. Janarathanan.S, Mr.A.Yovan FelixMana	Published	31/03/2023	07/04/2023	
102	202341025048	Artificial Intelligence Based Cyber security Intrusion Detection Threats and Opportunities	Dr K Sivakumar, Sanjukta Mohanty, Dr.Mrityunjai Pandey, Vinod N. Alone, Dr. Panem Charanarur, Dr.R.Maruthaveni Ph.D., Parveen Akhther. A, Roshini Varatharajan, Parul Bhargava, Neerav Nishant, Dr Amit chauhan, Deepak Bansal	Published	01/04/2023	05/05/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
103	202341028388	A Blockchain-Based System for Secure and Transparent Supply Chain Management	Sathyabama Institute of Science and Technology (Deemed to be University)	Published	19/04/2023	05/05/2023	
104	202341028565	Method for Performing Silver Decorated Graphitic Carbon-Ceria Nano-Composites for Ultrafast Photocatalytic Activity and Toxicity Evaluation	Murugadoss Govindhasamy, Paul Joseph Daniel, Kovendhan Manavalan, Rathika Rajendran, Geetha Arunachalam, Divyadharshini Satheesh, Leena Baskar, Dr. T. Sasipraba	Published	19/04/2023	26/05/2023	
105	202341032327	Method for development of antibacterial eye kajal using natural products	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
106	202341032328	Method for Detection of Polycystic Ovary Syndrome Using Android App	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
107	202341032330	Method for development of facial serum using natural fruit extracts	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
108	202341032334	Method for preparation of lip balm using natural extracts	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
109	202341032340	Maneuvering Lens in Mobile Gadgets by Dint of smart glass	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
110	202341032347	Method for preparing natural sprinkling powder used for treating open wounds	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
111	202341032349	Method for formulation of protein-soup-mix	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
112	202341032367	Method for Development of Carbon Black-Graphite Composite with solid State Based Thiocyanate Electrode	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
113	202341032373	Method for Development of Synthesis of Ni-Mn-S Decorated reduced Graphene Oxide Nanocomposite	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
114	202341032375	Method for Ultrafast Photodegradation of Textile Industry Dyes using Efficient Sulfide Based Ternary Nanocomposites	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
115	202341032376	Method for Performance of Facile Route of Heterostructure CeO ₂ -CuO Nanocomposite for Perovskite Solar Cells	Sathyabama Institute of Science and Technology	Published	08/05/2023	16/06/2023	
116	202341034738	Methods for performing antimicrobial wound healing gel using Fish Collagen	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	
117	202341034739	Algal Photo Bio-reactor	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
118	202341034741	Method for developing low-cost microcentrifuge from E-Waste	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	
119	202341034743	Method For Performing Electrochemical Supercapacitive properties of CuO-Ni(OH) ₂ Nanocomposites By Eco-friendly Low-Temperature Synthesis	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	
120	202341034751	Method Isolation, Identificataion and Characterization of Endophytic Bacteria and Actinomycetes from Mangrove, Banana and Sugarcane	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
121	202341034754	Earth Bio-Battery	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	
122	202341034755	Method for Development of Culturing Fishes from Biodegradable by Products of Shrimp and Feather Waste	Sathyabama Institute of Science and Technology	Published	18/05/2023	23/06/2023	
123	202211070169	Bleeding recognition technique in wireless capsule endoscopy images using fuzzy logic and principal component analysis	Dr. Pawan Kumar, Dr. M. Thangaraj, B Ranjitha, Sakshi Taaresh Khanna, Dr. Neeraj Kumar Sharma, Dr. Ghanshyam Vatsa, Dr. C. Kavitha, Dr. S. Jackson, Ms. Eshwari Nagesh Mundas, Mr. Anupendra Singh, Ms. K. Leelarani, Ms. S. Shopika	Published	05/12/2022	30/12/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
124	202221075727	IoT-Based Pesticide Control System for Sugarcane Using Machine Learning Approach	Dr. Tejas Harshadbhai Thakkar, Dr. P. Tamil Selvi, Dr. S Bangaru kamatchi, Mr. Sasidhar K, Mrs. C. Jeyalakshmi, Dr. A. Vijayaraj, Dr. Dhananjay Kanjibhai Dhruv, Mr. Prathipati Ratna Kumar, Mr. Leeladhar Kumar Gavel, Dr. Anant Sanjayrao Deshpande, Dr. V. Kannan, Mr. J Logeshwaran	Published	27/12/2022	27/01/2023	
125	202241036880	An IoT Based Smart Baby Towel for Predicting Behaviour and Care of Newborn	Dr.A.Jemshia Miriam, Dr.S.Raja shree, Dr. M. Nafees Muneera, Dr. V. Saranya, J. Karthika, M. Vanathi, B. Sandhiya, R. Vignesh, D. Deepa, S. Hemalatha	Published	28/06/2022	08/07/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
126	202241041430	Customer's Earnings, Savings, and Financial History- Classification using Machine Learning Technology	Ms. R. Subhashini, Dr. B. Bhavya, Ms. Meenakshi Gupta, Mr. D. Saravanan, Dr. G. Arunkumar, Dr. Eyo Itam Eyo, Dr. Rashmi B H, Dr. R. Rameshkumar, Dr. D. Stalin David, Dr. Shashi Kant Gupta	Published	19/07/2022	29/07/2022	
127	202241053330	Increase Productivity by using an Intelligent Human Resource Management System	Dr.V. Lizy, Dr.U.S.Aksharagovind	Published	19/09/2022	23/09/2022	
128	202241061019	Block Chain Based Method for Reducing Vehicle Pollution Emissions	Dr.P.R.Therasa, Mrs.G.Nishanthi, Dr.Anna Devi, Dr.S. Shibu, Dr.Shaik Jakeer, Mr.D Jeyakumar, Mr.S J Vivekanandan, Dr.M. Gayathri	Published	26/10/2022	18/11/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
129	202241062460	A multifunctional foldable Solar Photovoltaic assembly with IoT Connectivity and Method Thereof	Dr. B. Gopal, Dr. Surakasi Raviteja, Prof. Mangesh Mahajan, Dr. S. Mahendran, Mrs. G. Anbuselvi, Ms. V. Keerthana Sri, Mr. M. Sudhakar	Published	02/11/2022	11/11/2022	
130	202241063769	A Novel Segmentation and Pre-Processing of Interstitial Lung Disease using Deep Learning Model	Dr.A.George Maria Selvam, Sacred Heart College (Autonomous) INVENTOR: Dr.G. Maria Jones, Ms.Santhiya P, Mr. Rajasekar, Ms Sumathy R	Published	08/11/2022	11/11/2022	
131	202241066161	Impact of English in The Hindu Newspaper for Intermediate Learners in Chennai District	Dr Jayakumar P, Armaan Karim, Rizwana. M, Lethiya Y, Sandra Chandran P S, AnnsFetrica J H, R. Praveena, Kiruthika S, Varmeka U, Deepasree D, Raagavi S, Steffe Faith M J	Published	18/11/2022	25/11/2022	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
132	202241071543	Expert system based mathematical model for humanoid robot designing	Dr. S. Sathees Kumar, B. Thenmozhi, Prof Sarange Shreepad, Dr. V. Selvi, V. Jayalakshmi, Dr. C. Kavitha, Mohammad Shahid, Dr. B. Antline Nisha, Geethamani R, Dr. N. Jaya Chitra	Published	12/12/2022	30/12/2022	
133	202311026125	Multi-Protocol anomaly detection pipeline for Internet of Things	Mr. Manimuthu Ayyannan, Dr. Brahampal Singh, Dr. Rahul Gedam, Mr. H C Sudheendramouli, Mr. Anil Kumar Biswal, Mr. Murari D Kamalesh, Dr. Monika Sharma, Dr. Vilas Ramrao Joshi, Dr. Mohd Wazih Ahmad, Dr. Aruna M G	Published	06/04/2023	19/05/2023	
134	202321026420	Sustainable business models across the consumer internet startups in India	Sidharth Rajendra Patil, Dr. R. Thamilselvan, Dr. D. Velumoni, Dr. K. Baranidharan, Dr. S. Meenakshi, R. Valarmathi, Dr. K. Maran	Published	09/04/2023	12/05/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
135	202341003285	Improving the ability of ESL Learners in TOFEL Preparation through blended learning	Dr. P. Jayakumar	Published	17/01/2023	20/01/2023	
136	202341006632	Electricity Demand Forecasting in Industrial and Residential Facilities Using Ensemble Machine Learning	Dr. Franklin Tamil Selvi. M. S, Mrs. M. I. Mary Metilda, Saravanaraj Kuttae Jayaprakash, Dr. T. Kamaraj, Kempe Gowda M, B Ranjitha, Dr. S. Suganya, Dr. Banibrata Bag, Dr. K Rama, Dr. Avisankar Roy, Dr. I. Alagarasan, Ganga P	Published	01/02/2023	24/02/2023	
137	202341012481	Financial Analysis Impact on Management Performance in the Leading Logistics Industry	Dr. S. Bharathi Vasu, Dr. Yamuna.D, Mr. D. Divakar, Dr. B. Sambath Kumar, Dr. S. Krishnakumari, Mr. S. Praveen, D. Bhavani, Dr. D.Yuvaraj	Published	23/02/2023	17/03/2023	
138	202341015538	Financial Data Managing Device in Bank	Dr. R. Blessie Pathmu, Dr. B. Bhavya, Dr. A.S. Princy, Dr. K. Santhanalaxmi	Published	09/03/2023	17/03/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
139	202341016222	Data Science Work Flow Execution Platform with Automatically Managed Code	SV. Shri Bharathi, Dr.S.Arumugam, K.Sethurajan, Dr C.N.Ravi, Suresh Pratap, P.Malathi, Niranjan Rampravesh Barnwal, Arunmurugan Subbaiyan	Published	10/03/2023	24/03/2023	
140	202341016392	Women in the Novels of Manju Kapur	Dr. V. Lizy, Ms. Jyothi Masuram, Ms. A. Hezeline Mazerella, Ms. P. Paulsy Diana, Ms. M. Priscilla, Ms. G. Lalitha	Published	12/03/2023	17/03/2023	
141	202341016556	Modeling and Forecasting using Auto Regressive Integrated Moving Average	Dr. E. Priyadarshini	Published	13/03/2023	31/03/2023	

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
142	202341028537	Supporting Tool in the Microfinance Industry to Support Decision Making for Planning and Customer Satisfaction Strategies	Dr.R.Thamilselvan, Dr. D. Velumoni, Dr. A. Govindarajan, Dr. K. Baranidharan, Dr. Simanchala Das, Sivasankar G A, Dr. K. Maran	Published	19/04/2023	05/05/2023	
143	202241040119	Internet of Things Based Signal Processing Techniques for Predictive Maintenance and Remote Condition Monitoring of Elevators	W. Abitha Memala	Filed	13-07-2022		
144	202241040121	Portable Electromechanical Ventilator	C.Bhuvaneswari	Filed	13-07-2022		

S.NO	PATENT NUMBER	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	FILED DATE	PUBLISHED DATE	GRANTED DATE
145	202241076156	Text to Braille Converting Communication Device for the Visual and Hearing-Challenged Persons	Kavitha M	Filed	2022		
146	202341000052	Automated Robotic Arm for Storage & Retrieval System in Pharmacy Industries	R.Pandian, A.Aranganathan	Filed	2023		
147	202341006772	App Development for Reduction of Alcohol Consumption	R.Pandian	Filed	2023		
148	202341037570	Bacteriorhodopsin coated biosensor	Dr. L. Stanley Abraham, Steffy Joseph, Dr. B. Sheela Rani	Filed	2023		

8.3.3 DESIGN PATENTS

S.N O	PATENT NUMBER	FILED DATE	PATENT TITLE	APPLICANT NAME	CURRENT STATUS	GRANTED DATE
1	348401-001	26/08/2021	Tool Holder for Friction Tools	Dr. V. K. Bupesh Raja, Mr. Balaji Viswanadhapalli, Mr. Mathew Alphonse, Mr. Ajay Shivsharan Reddy, Mr. J. Senthil Kumar, Dr. K. S. Sridhar Raja, Dr. S. Sivasaravanan, Mr. K. Logesh	Granted	03/06/2022
2	353069-001	13/11/2021	An Air Purifier	Dr. Shahanaz Ayub, Dr. Hrituparna Paul, Mr. Harshwardhan Chandrakant Pandit, Dr. S. Jainab Zareena	Granted	06/01/2023
3	357709-001	01/02/2022	A Machine learning public place sanitizer robot during peak hours	Dr. P. Asha, Dr. B. Ankayarkanni, Dr. A. Mary Psonia, Dr. J. Albert Mayan	Granted	05/05/2023
4	357809-001	03/02/2022	Laptop Support and Protection Tool	Dr. T. Prem Jacob, Dr. A. Pravin, Dr. K. Mohana Prasad	Granted	17/02/2023
5	358298-001	10/02/2022	An AI Powered Driver Monitoring & Alert System	Dr. R. Aroul Canessane, Mr. Murari Devakannan Kamalesh, Mr. A Yovan Felix, Mrs. Ramya.G.Franklin.	Granted	10/03/2023
6	361463-001	29/03/2022	Portable Stand with Digital Saline Liquid Level Monitoring and Alerting Device	Dr. R. Aroul Canessane, Dr. S. Prayla Shyry, M. S. Roobini, Dr. G. Nagarajan	Granted	17/06/2022

S.N O	PATENT NUMBER	FILED DATE	PATENT TITLE	APPLICANT NAME	CURREN T STATUS	GRANTED DATE
7	361604-001	31/03/2022	A Solar Powered Public Sitting Furniture	Dr.D.S.Jayalakshmi, Ms.M.Prasanna Jeyanthi, Dr.H.Girija Bai, Dr.D.Hemanand	Granted	14/04/2023
8	364195-001	13/05/2022	Switch Board In-Built Wireless Charger	Dr. A. Pravin, Dr. T. Prem Jacob, Dr. K. Mohana Prasad	Granted	23/12/2022
9	366893-001	28/06/2022	AI Based Solar Powered Water Desalination Apparatus	Mrs. Ramya.D, Dr. R.Meenakshi, Dr. Mitali Chugh, Dr. Priyanka Soni	Granted	21/10/2022
10	367890-001	18/07/2022	Garment Steamer	Dr S Vigneshwari, Dr J Refonaa, Dr S L Jany Shabu, Ms G Tejaswini	Granted	13/01/2023
11	368254-001	25/07/2022	Solar Powered Sea Water Desalination Apparatus	Dr A Santhi Mary Antony, Dr D Godwin Immanuel, Dr S.D Sundarsingh Jebaseelan, Dr S Nirmalraj	Granted	23/12/2022
12	368346-001	26/07/2022	IoT Based Sanitation Cabinet for Electronic Devices	Dr. Joshila Grace L.K., Dr. Birendra Kumar Chauhan, Dr. Naresh E, Mr. S. Thivaharan, Dr. Rachita Mustilwar, Bhaskar Roy	Granted	14/04/2023
13	368894-001	06/08/2022	Biomass Grinder cum stirrer for Biomethanation of food waste	Dr. Kuppam Chandrasekhar, Dr. Shabnam Siddiqui, Dr.Pratap R Desai – Patil, Dr.TR.Kalai Lakshmi, Dr.L.Murali, Dr. Pasupuleti Dr. V.Kannan ,Subrahmanya Ranjit, Prof K Naraesh,	Granted	16/12/2022

S.N O	PATENT NUMBER	FILED DATE	PATENT TITLE	APPLICANT NAME	CURREN T STATUS	GRANTED DATE
14	369011-001	10/08/2022	Volatile compounds extraction apparatus	Dr. V. Vijaya Baskar, Mrs. K. Lakshmi Divya, Dr. E. Logashanmugam, Dr. M.S. Godwin Premi, Dr. Sankar Ganesh Devaraj, Mr. C. Kumar	Granted	25/11/2022
15	371290-001	23/09/2022	Antimicrobial Bandage Dispensing	Dr Kumaran Subramanian, Ms B Kalapriya, Dr Natrajan Muninathan, Dr Arumugam Suresh	Granted	05/01/2023
16	372283-001	10/10/2022	Aerosol Particle Measuring Device	Dr M Roja Raman	Granted	03/02/2023
17	373173-001	28/10/2022	Health Monitoring Wearable Band	Dr A Sivasangari, Dr P Ajitha, Dr R.M Gomathi, Dr E Brumancia	Granted	06/01/2023
18	375792-001	19/12/2022	Solution Holder for Nails	Dr. R I Minu, Dr. G. Nagarajan, Dr. R. Xavier Arulappa	Granted	10/02/2023
19	376108-001	24/12/2022	Plant Monitoring Pot Using IoT	Dr. P. Mohana, Dr. B.Prabhu Dass Batvari, Dr. P.Anuradha, Dr. M.Ammaan	Granted	03/02/2023
20	376557-001	02/01/2023	Motor Cycle Head Light Assembly with Solar Powered Mobile Phone Charger	Dr. B. Prabhu Dass Batvari, Dr. P. Mohana	Granted	28/04/2023
21	376558-001	02/01/2023	LED Light Shield for Fish Breeding Container	Er. A. B. Madhan, Dr. T. R. Chinnusamy, A. Senthilkumar, P. Jagadeeswaran	Granted	05/05/2023

S.N O	PATENT NUMBER	FILED DATE	PATENT TITLE	APPLICANT NAME	CURREN T STATUS	GRANTED DATE
22	376559-001	02/01/2023	Motor Cycle Head Light Assembly with Dual Conventional Pow Mob Pn Charger	Dr. P. Mohana, Dr. B. Prabhu Dass Batvari	Granted	05/05/2023
23	380849-001	06/03/2023	Piezo Electric Boxing Punching Bag	Dr. G. Nagarajan, Dr. R. Aroul Canessane, Dr S Prayla Shyry	Granted	19/05/2023
24	381736-001	17/03/2023	Heating Jacket for Cervical and Back Pain Management	Dr.L.Megalan Leo, Dr. V. Vedanarayanan, Dr.T.Bernatin, Ms.T.Gomathi, Dr.A.Aranganathan, Dr. E. RajiniKanth	Granted	26/05/2023
25	382112-001	22/03/2023	Machine learning based Stress detection device	Dr. S. Hemajothi, Ms. R Sakthi Prabha, Dr. V.W.J. Anand, Mr. V.Kalist, Dr. A. Veeramuthu, Dr.R. Thandaiah Prabu	Granted	26/05/2023
26	383133-001	06/04/2023	Stacked Gilbert Curve Structure for MIMO Applications	Dr. M. Vinoth, Dr. M. Sugadev, Dr. B. Viswanathan, Mr N.R. Nagarajan, Mr. K. Vigneshwaran	Granted	07/07/2023
27	365449-001	05/06/2022	Health Monitoring Device	Dr. G Hari Krishnan, Mr. G Umashankar, Dr. G Mohandass, Dr. T. Sudhakar	Filed	
28	366815-001	27/06/2022	Swirler Cutter Design of Agricultural Drone	Sharmila Hemanandh, J Hemanandh, Mr G Madhan Kumar, S Ganesan, S.P Venkatesan, S Venkatesh, S Lakshmi Sankar, H Tureya	Filed	

S.N O	PATENT NUMBER	FILED DATE	PATENT TITLE	APPLICANT NAME	CURREN T STATUS	GRANTED DATE
29	366816-001	27/06/2022	Spike Feeder-Solid Waste Management Drone	Mr G Madhan Kumar, J Hemanandh, Sharmila Hemanandh, S Ganesan, S.P Venkatesan, S Venkatesh, S Lakshmi Sankar, R Sriram, V Sanjay, H Tureya	Filed	
30	369011-002	10/08/2022	Volatile compounds extraction apparatus with heat plate	Dr V Vijaya Baskar, Mrs K Lakshmi Divya, Dr E Logashanmugam, Dr M.S Godwin Premi, Dr Sankar Ganesh Devaraj, Mr C Kumar	Filed	
31	370037-001	29/08/2022	Water Filter	Dr B Prabhu Dass Batvari, M.K Vijayalakshmi	Filed	
32	370038-001	29/08/2022	Portable Water Filter with Dual Storage Tank	M.K Vijayalakshmi, Dr B Prabhu Dass Batvari	Filed	
33	376508-001	31/12/2022	Integrated Loop Link CSRR Antenna for Biomedical Application	Dr. M. Vinoth, Ms.P.Vidhya Sri, Dr. M.Sugadev, Dr. B.Viswanathan, Dr.T. Ravi, Mr.K. Vigneshwaran	Filed	

8.4 RESEARCH PUBLICATIONS DURING THE YEAR

8.4.1 HIGH IMPACT PUBLICATIONS JULY 2022 - JUNE 2023

SUMMARY REPORT

Department	School of Mechanical	School of Bio & Chemical	School of Building & Env	S &H	School of Computing	School of Electronics	Sathyabama Research Park	Dental	Pharma	IRC	CDDD& Aqua
Publications Count	88	34	7	46	86	52	63	3	11	90	15
Highest I.F	8.8	8.8	8	7.2	8.8	8.8	11.4	2.1	15.3	15.7	5.8

PERFORMANCE COMPARISON

Details	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Total List of Publications	94	209	289	441	495
Highest Impact Factor	8.456 (IRC)	12.95 (JPR RP)	14.982 (IRC)	13.4 (Pharmacy)	15.7 (IRC)
Impact Factor Greater than 5	12	21	97	126	129
Impact Factor between 5 to 3	34	48	79	136	162
Impact Factor between 3 to 1	36	79	92	154	180
Impact Factor between 0.1 to 1	12 (0.5 to 1)	61	21	25	24

8.4.2 LIST OF PUBLICATIONS

S.NO	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
1.	Dr Mekalathur Roja Raman	Sathyabama Research Park	Assistant Professor (Research)	Balloon borne aerosol-cloud interaction studies (BACIS): New observational techniques to understand and quantify aerosol effects on clouds	Atmospheric Measurement Techniques	https://doi.org/10.5194/amt-15-4709-2022	3.8
2.	Dr. R. Thirugnanasambandam	Sathyabama Research Park	Assistant Professor (Research)	Growth and biochemical profiling of marine microalgae Chlorella salina with response to nitrogen starvation	Marine Biology Research	https://doi.org/10.1080/17451000.2022.2131823	1.1
3.	Dr.V.Ganesh Kumar	Sathyabama Research Park	Professor (Research)	Macroalgae-associated halotolerant marine bacteria Exiguobacterium aestuarii ADCG SIST3 synthesized gold nanoparticles and its anticancer activity in breast cancer cell line	Journal of Molecular Liquids	https://doi.org/10.1016/j.molliq.2023.122061	6
4.	Dr.V.Ganesh Kumar	Sathyabama Research Park	Professor (Research)	Nanomaterials in anticancer applications and their mechanism of action - A review	Nanomedicine: Nanotechnology, Biology and Medicine	https://doi.org/10.1016/j.nano.2022.102613	5.4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
5.	Marykutty Abraham	Sathyabama Research Park	Associate Professor (Research)	Simulation of chain of tanks to augment water supply: A case study of Guduvanchery Watershed, Tamil Nadu	AQUA Water Infrastructure, Ecosystems and Society	https://doi.org/10.2166/aqua.2022.038	1.9
6.	Marykutty Abraham	Sathyabama Research Park	Associate Professor (Research)	Synthesis and Characterization of Zinc Oxide Nanoparticles from Solanum Nigrum and Eclipta prostrata for Effective Removal of Fluoride	Indian Journal of Engineering and Materials Sciences	https://doi.org/10.56042/ijems.v29i5.49080	0.9
7.	Marykutty Abraham	Sathyabama Research Park	Associate Professor (Research)	Hydro Geochemistry and Water Quality Assessment in the Thamirabarani River Stretch by Applying GIS and PCA Techniques	Sustainability	https://doi.org/10.3390/su142416368	3.9
8.	Marykutty Abraham	Sathyabama Research Park	Associate Professor (Research)	ANN – based PCA to predict Evapotranspiration: a case study in India	AQUA Water Infrastructure, Ecosystems and Society	https://doi.org/10.2166/aqua.2023.201	1.9
9.	Dr. M. Ravi	Sathyabama Research Park	Associate Professor (Research)	Laccase-assisted degradation of emerging recalcitrant compounds – A review	Bioresource Technology	https://doi.org/10.1016/j.biortech.2022.128031	11.4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
10.	Dr. T. Stalin Dhas	Sathyabam a Research Park	Assistant Professor (Research)	Antagonistic activity of a novel chitosan-selenium Nano flower against common aquaculture pathogen <i>Aeromonas caviae</i>	Aquaculture International	10.1016/j.envpol.2021 .117361	2.9
11.	Dr. T. STALIN DHAS	Sathyabam a Research Park	Assistant Professor (Research)	Optically active organic and inorganic nanomaterials for biological imaging applications: A review	Micron	10.1016/j.micron.202 3.103486	2.4
12.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Development of new marine sourced liquid extract and their field experiments on tea (<i>Camellia sinensis</i>) cultivation	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-02997-x	4
13.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Isolation, chemical characterisation of and in vitro bioactive potential of polysaccharides from seaweed <i>Portieria hornemannii</i>	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03276-5	4
14.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Formulation of biocontrol agents from <i>Trichoderma viride</i> and evaluation of viability, compatibility with metallic nanoparticles and decomposition efficacy of organic wastes	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03318-y	4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
15.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Development of high organic-rich low-cost medium derived from microbial consortium decomposed vegetable wastes for the viable inocula production of potential fungal biopesticide Metarhizium anisopliae	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03345-9	4
16.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Biocompatible formulation of cationic antimicrobial peptide Polylysine (PL) through nanotechnology principles and its potential role in food preservation — A review	International Journal of Biological Macromolecules	https://doi.org/10.1016/j.ijbiomac.2022.09.238	8.2
17.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Production and characterization of biosurfactant from Enterobacter cloacae SJ2 isolated from marine sponge Clathria s	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03466-1	4
18.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Effect of distillery industry discharge wastewater and dye in aqueous solution treated by chemical modified Penicillium biomass on Arachis hypogaea growth parameters and its antioxidants efficiency	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03394-0	4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
19.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Enhanced Antibacterial Activity of Highly Biocompatible Polymeric Core–Shell Levofloxacin Gold Nanocomposite Formulation Against Pseudomonas aeruginosa	Applied Biochemistry and Biotechnology	https://doi.org/10.1007/s12010-022-04256-1	3
20.	Dr.M.Mooven dhan	Sathyabam a Reseh Park	Assistant Professor (Research)	Effective removal of fluoride ions from aqueous solution by marine microalgae as natural biosorbent	Chemosphere	https://doi.org/10.1016/j.chemosphere.2022.137312	8.8
21.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Removal of fluoride from water by natural biosorbents and evaluation of microstructure and functional groups in removal process	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03588-6	4
22.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Chitosan nanocomposite as an effective carrier of potential herbicidal metabolites for noteworthy phytotoxic effect against major aquatic invasive weed water hyacinth (Eichhornia crassipes)	International Journal of Biological Macromolecules	https://doi.org/10.1016/j.ijbiomac.2022.11.272	8.2
23.	Dr.M.Mooven dhan	Sathyabam Research Park	Assistant Professor (Research)	Aquatic biomass cellulose fabrication into cellulose nanocomposite and its application in water purification	Journal of Cleaner Production	https://doi.org/10.1016/j.jclepro.2023.136386	11.07 2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
24.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Synthesis, characterization, cytotoxicity, and antimicrobial studies of green synthesized silver nanoparticles using red seaweed <i>Champia parvula</i>	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-03775-z	4
25.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Marine bioactive compounds as antibiofilm agent: a metabolomic approach	Archives of Microbiology	https://doi.org/10.1007/s00203-022-03391-x	2.8
26.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Exopolysaccharide production by <i>Anabaena</i> sp. PCC 7120: physicochemical parameter optimization and two-stage cultivation strategy to maximize the product yield	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03696-3	4
27.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Food and drug industry applications of microalgae <i>Spirulina platensis</i> : A review	Journal of Basic Microbiology	https://doi.org/10.1002/jobm.202200704	3.1
28.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Production, nanoformulation, and potential anticancer effect of camptothecin metabolites from biomass of <i>Aspergillus niger</i>	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-03861-2	4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
29.	Dr.M.Mooven dhan	Sathyabama Research Park	Assistant Professor (Research)	Sustainable approach to manage the vulnerable rodents using eco- friendly green rodenticides formulation through nanotechnology principles – A review	Process Safety and Environmental Protection	https://doi.org/10.1016/j.psep.2023.01.050	7.8
30.	Dr.M.Mooven dhan	Sathyabama Research Park	Assistant Professor (Research)	Green synthesis of gold nanoparticles using Halymenia pseudofloresii extracts and their antioxidant, antimicrobial, and anti-cancer activities	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-03873-y	4
31.	Dr.M.Mooven dhan	Sathyabama Research Park	Assistant Professor (Research)	Adsorption isotherm, kinetics and response surface methodology optimization of cadmium (Cd) removal from aqueous solution by chitosan biopolymers from cephalopod waste	Journal of Environmental Management	https://doi.org/10.1016/j.jenvman.2023.117484	8.7
32.	Dr.M.Mooven dhan	Sathyabama Research Park	Assistant Professor (Research)	Formulation, optimization and characterization of raloxifene hydrochloride loaded PLGA nanoparticles by using Taguchi design for breast cancer application	Chemical Biology and Drug Design	https://doi.org/10.1111/cbdd.14222	3
33.	Dr.M.Mooven dhan	Sathyabama Research Park	Assistant Professor (Research)	Biocontrol of Trichoderma gamsii induces soil suppressive and growth-promoting impacts and rot disease-protecting activities	Journal of Basic Microbiology	https://doi.org/10.1002/jobm.202300016	3.1

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
34.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Serine Threonine-Protein Kinase-Derived IW13 Improves Lipid Metabolism via C/EBP- α /SREBP1/FAS Signaling Pathways in HFD-Induced Zebrafish In Vivo Larval Model	Applied Biochemistry and Biotechnology	https://doi.org/10.1007/s12010-023-04480-3	3
35.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Anti-microbial efficacy and notable biocompatibility of Rosa damascene and Citrus sinensis biomass-derived metabolites	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-04439-8	4
36.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	Evaluation of antidiabetic potential of Fragaria \times ananass Duch., Annona squamosa Linn, and Salvia hispanica L. methanolic extract-based composite and in silico analysis	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-04532-y	4
37.	Dr.M.Mooven dhan	Sathyabam a Research Park	Assistant Professor (Research)	In silico analysis of plants biomass phytochemicals against β 2 adrenergic receptor	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-04241-6	4
38.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Jellyfish Acromitus fagellatus (Maas) nematocyst venom-mediated biogenic synthesis of gold nanoparticles and its anti- proliferative effects	Aquaculture International	https://doi.org/10.1007/s10499-023-01081-z	2.9

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
39.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Antioxidant and anticancer activities of nematocyst venom protein of five scyphozoan Chrysaora jellyfish's species from the coastal waters of Tamil Nadu	biomass Conversion and Biorefnery	https://doi.org/10.1007/s13399-023-04206-9	4
40.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Biosynthesis of gold nanoparticles using jellyfish nematocyst venom protein and evaluation of their anticancer activity against breast cancer cells: In-vitro study	Chemical Physics Letters	https://doi.org/10.1016/j.cplett.2023.140523	2.8
41.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Computational identification and molecular dynamics simulation of potential circularRNA derived peptide from gene expression profile of Rheumatoid arthritis, Alzheimer's disease, and Atrial fibrillation	Marine Pollution Bulletin	https://doi.org/10.1016/j.marpolbul.2023.114682	5.8
42.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Polyvinyl alcohol (PVA) nanofbre matrix encapsulated with tebuconazole fungicide: a smart delivery system against dry root rot disease of black gram	Polymer Bulletin	https://doi.org/10.1007/s00289-022-04509-3	3.2
43.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Population phenology of insect pests in vegetable French bean, Phaseolus vulgaris L. and environmental forecast modeling for major pests using ARIMAX analysis	international Journal of Tropical Insect Science	https://doi.org/10.1007/s42690-023-00947-2	1.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
44.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Preparation and characterization of silica nanoparticles (sol–gel & river sand): A comparative toxicity studies against seed weevil (<i>Sitophilus oryzae</i> L). and effect on agro-morphological characteristics of maize seeds	Materials Science & Engineering B	https://doi.org/10.1016/j.mseb.2023.116503	3.6
45.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Hepato and renoprotective activity of <i>Kappaphycus alvarezii</i> ethanolic extract in cisplatin causes hepatic and kidney harm in Albino Wistar rats	Aquaculture International	https://doi.org/10.1007/s10499-023-01064-0	2.9
46.	Dr.K.Govinda raju	Sathyabam a Research Park	Professor (Research)	Carbon offset potential of biochar based straw management under rice- wheat system along Indo- Gangetic Plains of India	Science of the Total Environment	https://doi.org/10.1016/j.scitotenv.2023.165176	9.8
47.	Dr.B.Sheela Rani	Sathyabam a Research Park	Director (Research)	Restored texture segmentation using Markov random fields	Mathematical Biosciences &Engineering	doi: 10.3934/mbe.2023442	2.6
48.	Dr.B.Sheela Rani	Sathyabam a Research Park	Director (Research)	Time Delay Estimation in Radar System using Fuzzy Based Iterative Unscented Kalman Filter	Computer Systems Science and Engineering	https://doi.org/10.32604/csse.2023.027239	2.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
49.	Dr. V. Karthick	Sathyabam a Research Park	Assistant Professor (Research)	Nanoarchitectonics horizons: materials for life sciences	Nanoscale	https://doi.org/10.1039/D2NR02293A	6.7
50.	Dr. V. Karthick	Sathyabam a Research Park	Assistant Professor (Research)	Recent Advancements in Novel Sensing Systems through Nanoarchitectonics	Biosensors	https://doi.org/10.3390/bios13020286	5.4
51.	Dr. V. Karthick	Sathyabam a Research Park	Assistant Professor (Research)	Anti-adipogenic β -sitosterol and lupeol from Moringa oleifera suppress adipocyte differentiation through regulation of cell cycle progression	Journal of Food Biochemistry	https://doi.org/10.1111/jfbc.14170	4
52.	Dr. V. Karthick	Sathyabam a Research Park	Assistant Professor (Research)	Biological Activities of Selenium Nanoparticles Synthesized from Camellia sinensis (L) Kuntze Leaves	Applied Biochemistry	https://doi.org/10.1007/s12010-023-04348-6	3
53.	Dr. D. Jeyapragash	Sathyabam a Research Park	Assistant Professor (Research)	Anti-fouling potential and in-silico analysis of carotenoid and fatty acids from Rauvolfia tetraphylla L	Environmental Research	https://doi.org/10.1016/j.envres.2023.116158	8.3
54.	Dr.J.Baalamur ugan	Sathyabam a Research Park	Assistant Professor (Research)	Recent applications of steel slag in construction industry	Environment, Development and Sustainability	https://link.springer.com/article/10.1007/s10668-022-02894-3	4.9

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
55.	Dr. D. Jeyapragash	Sathyabam a Research Park	Assistant Professor (Research)	New perception about the use of nanofungicides in sustainable agriculture practices	Archives of Microbiology	https://doi.org/10.1007/s00203-022-03324-8	2.8
56.	Dr. D. Jeyapragash	Sathyabam a Research Park	Assistant Professor (Research)	Green Synthesis of Magnesium Oxide Nanoparticles with Antioxidant Potential Using the Leaf Extract of Piper nigrum	JOM	https://doi.org/10.1007/s11837-022-05548-x	2.6
57.	Dr. D. Jeyapragash	Sathyabam a Research Park	Assistant Professor (Research)	Utilization of Red Algae Gracilaria edulis for Bio-fabrication of MgO Nanoparticles and an Evaluation of their Anti-oxidant Activity	JOM	https://doi.org/10.1007/s11837-022-05546-z	2.6
58.	Dr.P.M.Velm urugan	Sathyabam a Research Park	Associate Professor(Res earch)	Assessment of metal contaminants along the Bay of Bengal — Multivariate pollution indices	Marine Pollution Bulletin	https://doi.org/10.1016/j.marpolbul.2023.115008	5.8
59.	Dr. S. Sivaraj	Sathyabam a Research Park	Assistant Professor (Research)	Assessment of blue carbon sequestration potential of Avicennia marina in the semi-arid zone of Gulf of Kutch, Gujarat, India	Regional Studies in Marine Science	https://doi.org/10.1016/j.rsma.2023.102937	2.1

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	I.F
60.	Dr. S. Sivaraj	Sathyabama Research Park	Assistant Professor (Research)	Marine plastics on the beaches of Cuddalore coast, Southeast coast of India: A assessment of their abundance during Covid lockdown and post lockdown	Regional Studies in Marine Science	https://doi.org/10.1016/j.rsma.2023.103051	2.1
61.	Dr.P.M.Velmurugan	Sathyabama Research Park	Associate Professor (Research)	Baseline study on identification, characterization, distribution and abundance of microplastics in surface water from Ennore to Kovalam along the east coast of India	Physics and chemistry of the Earth	https://doi.org/10.1016/j.pce.2023.103391	3.7
62.	Dr. R. Srinivasan	Sathyabama Research Park	Assistant Professor (Research)	Lipid ROS- and Iron-Dependent Ferroptotic Cell Death in Unicellular Algae <i>Chlamydomonas reinhardtii</i>	Cells	https://doi.org/10.3390/cells12040553	6
63.	Dr. R. Srinivasan	Sathyabama Research Park	Assistant Professor (Research)	Co-culture approach for effective biomass utilization and enhanced solvent production by <i>Clostridium acetobutylicum</i> DSM 792 and <i>Enterobacter hormaechei</i> subsp. <i>xiangfangensis</i> SW2	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03082-z	4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
64.	Dr.S.Packiala kshmi	School of Building & Environme nt	Associate professor	Assessing the Wastewater Pollutants Retaining for a Soil Aquifer Treatment using Batch Column Experiments	Civil Engineering journal	http://dx.doi.org/10.28991/CEJ-2022-08-07-011	4.1
65.	Dr.S.Packiala kshmi	School of Building & Environme nt	Associate professor	An Analytical Study for Assessing Water Productivity in Pre and Post-Rehabilitation Period of Rural Tank System	Journal of Advances in Civil Engineering	https://doi.org/10.1155/2022/1119931	1.8
66.	B.Priyadharsh ini	School of Building & Environme nt	Assistant Professor	Adsorption of cadmium (Cd) and lead (Pb) using powdered activated carbon derived from Cocos Nucifera waste: A kinetics and equilibrium study for long-term sustainability	Sustainable Energy Technologies and Assessments	https://doi.org/10.1016/j.seta.2022.102709	8
67.	Priyadharshini b	School of Building & Environme nt	Assistant Professor	Evaluation of groundwater quality and heavy metal pollution index of the industrial area, Chennai	Physics and Chemistry of the Earth	https://doi.org/10.1016/j.pce.2022.103259	3.7
68.	Eshanthini p	School of Building & Environme nt	Assistant Professor	Identification of Groundwater Potential Zone in Poondi Micro- watershed, Thiruvallur, Tamil Nadu	Journal of the Geological Society of India	https://doi.org/10.1007/s12594-022-2099-6	1.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
69.	R.Padmapriya	School of Building & Environme nt	Associate Professor	Optimum utilization and resource recovery of tannery sludge: a review	International Journal of Environmental Science and Technology	https://doi.org/10.1007/s13762-022-04483-3	3.1
70.	R.Padmapriya	School of Building & Environme nt	Associate Professor	Properties of Bacterial Copper Slag Concrete	Buildings	https://doi.org/10.3390/buildings13020290	3.8
71.	Dr. Bethanney Janney J	School of Bio & Chemical	Associate Professor	Monitoring indoor air quality using smart integrated gas sensor module (IGSM) for improving health in COPD patients	Environmental Science &Pollution Research, Springer	https://doi.org/10.1007/s11356-022-24117-y	5.8
72.	Dr. Saqib Hassan	School of Bio & Chemical	Assistant Professor	Water a major source of endocrine- disrupting chemicals: An overview on the occurrence, implications on human health and bioremediation strategies	Environment Al Research	https://doi.org/10.1016/j.envres.2023.116097	8.3
73.	Dr. J. Premkumar	School of Bio & Chemical	Associate Professor	Effects of CuO/Al ₂ O ₃ /Water-WO ₃ nanomaterials on NETZERO energy/ emission-based hydrogen generation	Fuel	https://doi.org/10.1016/j.fuel.2023.127938	7.4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
74.	DR.T.Sudhak ar	School of Bio & Chemical	Assistant professor	Magnetic porous Ag2O/Chitin nanostructure adsorbent for eco- friendly effective disposing azo dyes	Environment Al Research	https://doi.org/10.1016/j.envres.2022.114824	8.3
75.	Dr.Jayshree Nellore	School of Bio & Chemical	Professor	Effects of Morpholino-mediated knockdown of the Angiotensin- converting enzyme 2 (ACE-2) on dopamine Neurogenesis and the Hypothalamic Pituitaryadrenal (HPA) Axis in Larval Zebrafish (Danio rerio)	Indian Journal of Biochemistry & Biophysics	DOI: 10.56042/ijbb.v60i5.477	1.4
76.	Dr.Y.Swarnal atha	School of Bio & Chemical	Professor	Biological Activity of Cyclic Peptide Extracted from Sphaeranthus amaranthoides Using De Novo Sequencing Strategy by Mass Spectrometry for Cancer	Biology	https://doi.org/10.3390/biology12030412	4.2
77.	Dr. P. Grace Kanmani Prince	School of Bio & Chemical	Associate Professor	Deep belief network Assisted quadratic logit boost classifier for brain tumor detection using MR images	Biomedical Signal Processing and Control	https://doi.org/10.1016/j.bspc.2022.104415	5.1
78.	Dr. P. Grace Kanmani Prince	School of Bio & Chemical	Associate professor	Hankel Norm Based Strict Passivity Performance of Digital Filter Using Saturation Nonlinearities	Wireless Personal Communication s	https://doi.org/10.1007/s11277-022-10156-8	2.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
79.	Dr.H.Jemmy christy	School of Bio & Chemical	Assistant Professor	Hydrogen-bonded keto-enol mechanized chalcone material for optical and antibiofilm applications	Journal of Molecular Structure	https://doi.org/10.1016/j.molstruc.2023.136109	3.8
80.	Dr.Prakash P	School of Bio & Chemical	Assistant Professor	Evaluation of the Toxic Effect of Bauhinia purpurea Mediated Synthesized Silver Nanoparticles against In-vitro and In-vivo Models	Toxics	https://doi.org/10.3390/toxics11010009	4.6
81.	Dr.Prakash P	School of Bio & Chemical	Assistant Professor	Evaluation of the Toxic Effect of Bauhinia purpurea Mediated Synthesized Silver Nanoparticles against In-vitro and In-vivo Models	Biocatalysis and Agricultural Biotechnology	https://doi.org/10.1016/j.bcab.2022.102561	4
82.	Dr.Prakash P	School of Bio & Chemical	Assistant Professor	Cardio protective activity of Sargassum wightii on isoproterenol induced myocardial stress in rats	Indian Journal of Geo Marine Sciences	DOI: 10.56042/ijms.v51i05.65572	0.5
83.	Dr.Prakash P	School of Bio & Chemical	Assistant Professor	Magnetic Co/CoOx@NCNT catalysts for activation of potassium peroxy monosulfate to deteriorate phenol from wastewater	Environmental Research	https://doi.org/10.1016/j.envres.2022.114763	8.3
84.	Balasankar Karavadi	School of Bio & Chemical	Associate Professor	Enhanced waste cooking oil biodiesel with Al ₂ O ₃ and MWCNT for CI engines	Fuel	https://doi.org/10.1016/j.fuel.2022.126429	7.4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
85.	Dr. Anima Nanda	School of Bio & Chemical	Professor and Dean- IQAC	Molecular Characterization of Extended Spectrum B-Lactamase Producing Escherichia Coli Isolated from Urine Samples.	Asian Journal of Pharmaceutics	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwj6braunptWAAxVnUGwGHYKUAYUQFn_oECCkQAQ&url=https%3A%2F%2Fwww.asiapharmaceutics.info%2Findex.php%2Fajpp%2Farticle%2Fdownload%2F4480%2F1419%2F10546&usg=AOvVaw306li4KkofCnAZsJmMTwf&opi=89978449	0.4
86.	Dr. Anima Nanda	School of Bio & Chemical	Proffessor and Dean- IQAC	Mosquito Larvicidal Activity of ZnO Nanoparticles against Dengue Causing Vector Aedes Albopictus Using Leaf Extract of Lavandula Angustifolia	Journal of Nanostructures	https://jns.kashanu.ac.ir/article_112778.html#:~:text=In%20dose%20dependent%20manner%20from,confirmed%20the%20biosynthesis%20of%20ZnON	1.4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
87.	Dr. Anima Nanda	School of Bio & Chemical	Professor and Dean-IQAC	Larvicidal activity of Artemisia absinthium extracts with special reference to inhibition of detoxifying enzymes in larvae of Aedes aegypti L	Journal of King Saud University – Science	https://doi.org/10.1016/j.jksus.2022.102248	3.8
88.	Dr. Anima Nanda	School of Bio & Chemical	Professor and Dean-IQAC	Biosynthesis of Zinc Oxide Nanoparticles from Allium sativum Extract: Characterization and Application	BioNanoScience	https://doi.org/10.1007/s12668-022-01009-6	3
89.	D. Alex Anand	School of Bio & Chemical	Associate Professor	Differentially Expressed Cell Cycle Genes and STAT1/3-Driven Multiple Cancer Entanglement in Psoriasis, Coupled with Other Comorbidities	Cells	doi: 10.3390/cells11233867	6
90.	Dr.S.Usha Nandhini	School of Bio & Chemical	Assistant professor	Isolation and bioactive potentials of Streptomyces from Tripura forest soil, North- east India.	Journal of Environmental Biology	DOI : http://doi.org/10.22438/jeb/43/6/MRN-1740	0.7
91.	Dr. M. Karthikeyan	School of Bio & Chemical	Assistant professor	Synthesis and characterization of barium doped CaO heterogeneous nanocatalyst for the production of biodiesel from Catharanthus roseus seeds: Kinetics, optimization and performance evaluation	Environmental Research	https://doi.org/10.1016/j.envres.2023.115336	8.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
92.	Dr.D.Prabu	School of Bio & Chemical	Associate Professor	Influence of nanopores volumes in hydrogen absorption properties of B4C and WC carbide-derived carbon nanomaterials	International journal of hydrogen energy	https://doi.org/10.1016/j.ijhydene.2023.03.318	7.2
93.	Dr.D.Prabu	School of Bio & Chemical	Associate Professor	A Review on Cassava Residues as Adsorbents for Removal of Organic and Inorganic Contaminants in Water and Wastewater	Journal of chemistry	https://doi.org/10.1155/2023/7891518	3
94.	Michael Rahul Soosai	School of Bio & Chemical	Assistant Professor	Use of activated Chromolaena odorata biomass for the removal of crystal violet from aqueous solution: kinetic, equilibrium, and thermodynamic study	Environmental Science and Pollution Research	https://doi.org/10.1007/s11356-022-22822-2	5.8
95.	Sathish	School of Bio & Chemical	Associate Professor	Experimental investigations on the effect of palm oil in kenaf fibre–reinforced basalt particulate hybrid biocomposite	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-02714-8	4
96.	Sathish	School of Bio & Chemical	Associate Professor	Evaluation of SBRP and BRP at various process conditions for the removal of pollutants from dairy eluent: optimization and kinetic studies	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03533-7	4
97.	Sathish	School of Bio & Chemical	Associate Professor	Enhanced photocatalytic degradation of caffeine using Co– Zn/ Al2O3 nanocomposite	Chemosphere	https://doi.org/10.1016/j.chemosphere.2022.135773	8.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
98.	Sathish	School of Bio & Chemical	Associate Professor	Effective utilization of azolla filiculoides for biodiesel generation using graphene oxide nano catalyst derived from agro-waste	Fuel	https://doi.org/10.1016/j.fuel.2022.125412	8.035
99.	Sathish	School of Bio & Chemical	Associate Professor	Latest avenues on solar light- driven photocatalytic hydrogen generation using surface modified nanomaterials towards sustainable environment and circular bioeconomy	Fuel	https://doi.org/10.1016/j.fuel.2023.127398	8
100.	Dr. D.Venkatesan	School of Bio & Chemical	Associate Professor	Microfluidic paper-based device coupled with 3D printed imaging box for colorimetric detection in resource-limited settings	HardwareX	https://doi.org/10.1016/j.ohx.2023.e00456	2.2
101.	Annam Renita A	School of Bio & Chemical	Professor	The bio-adsorption competence of tailor made lemon grass adsorbents on oils:An in-vitro approach	Environmental Research	https://doi.org/10.1016/j.envres.2023.115332	8.3
102.	Annam Renita.A	School of Bio & Chemical	Professor	Progress and prospective of the industrial development and applications of eco-friendly colourants: An insight into environmental impact and sustainability issues	Foods	https://doi.org/10.3390/foods12071521	5.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
103.	Annam Renita.A	School of Bio & Chemical	Professor	A facile approach in activated carbon synthesis from wild sugarcane for carbon dioxide capture and recovery: isotherm and kinetic studies	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-03080-1	4
104.	Sathish Kumar R	Centre for AQUACU LTURE	Assistant Professor (Research)	Statistical optimization of media components for antibiotic production in <i>Streptomyces</i> sp. CMSTAAHAL-3	Electronic Journal of Biotechnology	https://doi.org/10.1016/j.ejbt.2023.03.005	2.7
105.	Dr.T.Rajaseka r	Centre for Drug Delivery	Assistant Professor (Research)	Antibacterial wound dressing with hydrogel from chitosan and polyvinyl alcohol from the red cabbage extract loaded with silver nanoparticles	Green Processing and Synthesis	10.1515/gps-2023-0035	4.3
106.	Dr.T.Rajaseka r	Centre for Drug Delivery	Assistant Professor (Research)	Silver nanoparticles synthesized from the seaweed <i>Sargassum polycystum</i> and screening for their biological potential	Scientific Reports	10.1038/s41598-022-18379-2	4.6
107.	Dr.V.Gopikris hnan	Centre for Drug Delivery	Scientist C	Exploration of fish gut-associated actinobacteria for its antifouling activity	Journal of basic Microbiology	10.1002/jobm.202300051	3.1

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
108.	K. Manigundan	Centre for Drug Delivery	Assistant Professor (Research)	Microbe-enriched farm yard manure (MFYM) approach for the suppression of <i>Ralstonia solanacearum</i> Yabuuchi (Smith) inciting bacterial wilt disease in eggplant (<i>Solanum melongena</i> L.)	Plant and Soil	https://doi.org/10.1007/s11104-023-06119-y	4.9
109.	K. Manigundan	Centre for Drug Delivery	Assistant Professor (Research)	Actinobacteria as a source of biofertilizer/biocontrol agents for bio-organic agriculture	Journal of Applied Microbiology	https://doi.org/10.1093/jambio/lxac047	4
110.	K. Manigundan	Centre for Drug Delivery	Assistant Professor (Research)	Diversity of Antimicrobial Peptide Genes in <i>Bacillus</i> from the Andaman and Nicobar Islands: Untapped Island Microbial Diversity for Disease Management in Crop Plants	Current Microbiology	https://doi.org/10.1007/s00284-022-03086-y	2.6
111.	K. Manigundan	Centre for Drug Delivery	Assistant Professor (Research)	A Novel Finding: 2,4-Di-tert-butylphenol from <i>Streptomyces bacillaris</i> ANS2 Effective Against <i>Mycobacterium tuberculosis</i> and Cancer Cell Lines	Applied Biochemistry and Biotechnology	https://doi.org/10.1007/s12010-023-04403-2	3
112.	Dr. M. V. Rajeswari	Centre for Aquaculture	Assistant Professor (Research)	Personal protective equipment (PPE) pollution driven by COVID-19 pandemic in Marina Beach, the longest urban beach in Asia: Abundance, distribution, and analytical characterization	Marine pollution Bulletin	https://doi.org/10.1016/j.marpolbul.2022.114476	5.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
113.	Dr. Krupakar Parthasarathy	Centre for Drug Delivery	Associate Professor (Research)	Susceptibility of SARS Coronavirus-2 infection in domestic and wild animals - A systematic review	3 Biotech	10.1007/s13205-022- 03416-8	2.9
114.	Dr. M. Radhakrishna n	Centre for Drug Delivery	Professor (Research)	Antibacterial and anti-HIV metabolites from marine Streptomyces albus MAB56 isolated from Andaman and Nicobar Islands, India	Applied Biochemistry and Biotechnology	https://doi.org/10.1007/s12010-023-04493-y	3
115.	Dr. M. Radhakrishna n	Centre for Drug Delivery	Professor (Research)	In-vivo studies on Transitmycin, a potent Mycobacterium tuberculosis inhibitor.	PLOS ONE	https://doi.org/10.1371/journal.pone.0282454	3.7
116.	Dr. M. Radhakrishna n	Centre for Drug Delivery	Professor (Research)	Biosynthesis, Characterization and Evaluation of Antimicrobial, Antioxidant and Antiproliferative Activities of Biogenic Silver Nanoparticles Using Streptomyces KBR3	Indian Journal of Pharmaceutical Science	10.36468/pharmaceuti cal-sciences.1064	0.5
117.	Dr. M. Radhakrishna n	Centre for Drug Delivery	Professor (Research)	Production and characterization of glycolipid biosurfactant from Streptomyces enissocaesilis HRB1 and its evaluation for biomedical and bioremediation applications	Journal of Surfactants and Detergents	https://doi.org/10.1002/jsde.12643	1.6
118.	Dr. M. Radhakrishna n	Centre for Drug Delivery	Professor (Research)	Isolation, characterization and antimicrobial activity of endophytic actinobacteria strains from medicinal plants	Indian Journal of Pharmaceutical Science	10.36468/pharmaceuti cal-sciences.1009	0.5

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
119.	Dr S D Sundarsingh Jebaseelan	School of Electrical & Electronics	Associate Professor	Areliable optimization framework using ensembled successive history adaptive differential evolutionary algorithm for optimal power flow problems	IET Generation, Transmission & Distribution	10.1049/gtd2.12738	2.503
120.	Dr S D Sundarsingh Jebaseelan	School of Electrical & Electronics	Associate Professor	Efficient adaptive deep neural network model for securing demand side management in IoT enabled smart grid	Renewable Energy Focus – Science Direct	https://doi.org/10.1016/j.ref.2022.08.003	4.8
121.	Dr V Balamurugan	School of Electrical & Electronics	Associate Professor	Sustainable Multipath Routing for Improving Cross-Layer Performance in MANET Using an Energy Centric Tunicate Swarm Algorithm	sustainability- MDPI	https://doi.org/10.3390/su142113925	3.9
122.	Dr V Balamurugan	School of Electrical & Electronics	Associate Professor	Music Genre Classification Using African Buffalo Optimization	Computer Systems Science and Engineering	https://doi.org/10.32604/csse.2023.022938	2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
123.	L Jegan Antony Marcilin	School of Electrical & Electronics	Associate Professor	Design of Optical Filter Using Bald Eagle Search Optimization Algorithm	Intelligent Automation & Soft Computing	https://doi.org/10.32604/iasc.2023.028764	2
124.	L Jegan Antony Marcilin	School of Electrical & Electronics	Associate Professor	Tool Wear Monitoring Using Improved Dragonfly Optimization Algorithm and Deep Belief Network	Applied Sciences (Switzerland)	https://doi.org/10.3390/app12168130	2.7
125.	Dr.V.Vijaya Baskar	School of Electrical & Electronics	Professor	A Non-Invasive Blood Glucose Monitoring For Diabetics With Breath Biomarkers: An Ensemble-Of- Classifiers Model	Journal of Mechanics in Medicine and Biology	doi.org/10.1142/S0219519423500082	0.8
126.	Dr.V.Vijaya Baskar	School of Electrical & Electronics	Professor	Hybrid model with optimal features for non-invasive blood glucose monitoring from breath biomarkers	Biomedical Signal Processing and Control	doi.org/10.1016/j.bspc.2023.105036	5.1
127.	Dr.V.Vijaya Baskar	School of Electrical & Electronics	Professor	An Opportunistic Coexistence Analysis of LTE and Wi-Fi in Unlicensed 5 GHz Frequency Band	Wireless Pers Commun	doi.org/10.1007/s11277-023-10284-9	2.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
128.	Dr.A.Sahaya Anselin Nisha	School of Electrical & Electronics	Professor	Digital code modulation-based MIMO system for underwater localization and navigation using MAP algorithm	Soft Computing	https://doi.org/10.1007/s00500-023-08244-3(0123456789().,-volIV)(0123456789,-().volIV)	4.1
129.	Dr.R.Narmad ha	School of Electrical & Electronics	Associate Professor	Authentication Analysis in HETNETS: Interworking Performance	Wireless Personal Communicati Ons	10.1007/s11277-023-10186-w	2.2
130.	Dr.C.Bhuvane swar I	School of Electrical & Electronics	Assistant Professor	Comparative Analysis of Resonant Converters for X-Ray Generator Tube	Instruments and Experimental Techniques	https://doi.org/10.1134/S0020441222060021	0.6
131.	Dr.Bharathi.M .L	School of Electrical & Electronics	Associate Professor	Developing a dual axis photoelectric tracking module using a multi quadrant photoelectric device	Energy Reports	https://doi.org/10.1016/j.egy.2022.07.095	5.2
132.	Dr.Bharathi.M .L	School of Electrical & Electronics	Associate Professor	Deep Learning-Based Smart Hybrid Solar Water Heater Erection Model to Extract Maximum Energy	International Journal of Photoenergy	https://doi.org/10.1155/2022/2943386	3.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
133.	Dr.E.Anna Devi	School of Electrical & Electronics	Associate Professor	Detection of cervix tumor using an intelligent system accompanied with PNN classification approach	Signal, Image and Video Processing	https://doi.org/10.1007/s11760-023-02616-w	2.3
134.	Dr.S.Nirmalra j	School of Electrical & Electronics	Associate Professor	Permutation feature importance- based fusion techniques for diabetes prediction	Soft Computing	https://doi.org/10.1007/s00500-023-08041-y	4.1
135.	Dr.S.Nirmalra j	School of Electrical & Electronics	Associate Professor	Intelligent video surveillance using enhanced deep belief based multilayered convolution neural network classification techniques	Photogrammetr ic Record	https://doi.org/10.1111/phor.12429	2.4
136.	Dr N R Krishnamoort hy	School of Electrical & Electronics	Associate Professor	Machine learning algorithms for a diesel engine fuelled with biodiesel blends and hydrogen using LSTM networks	Fuel	https://doi.org/10.1016/j.fuel.2022.126292	8.035
137.	Dr.S.Nirmalra j	School of Electrical & Electronics	Associate Professor	Computer aided agriculture development for crop disease detection by segmentation and classification using deep learning architectures	Computers and Electrical Engineering	https://doi.org/10.1016/j.compeleceng.2022.108357	4.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
138.	Dr.V.Meenakshi	School of Electrical & Electronics	Associate Professor	Impact of the combined effect of seawater exposure with wastewater and Fe ₂ O ₃ nanoparticles on <i>Chlorella vulgaris</i> microalgae growth, lipid content, biochar, and bio-oil production	Environmental Research	https://doi.org/10.1016/j.envres.2023.116300	8.431
139.	Dr.S.Karthikeyan	School of Electrical & Electronics	Associate Professor	Plug Valve Surface Defects Identification through Nondestructive Testing and Fuzzy Deep-Learning Algorithm for Metal Porosity and Surface Evaluation	Journal of Engineering	https://doi.org/10.1155/2023/2420903	2.7
140.	Dr. Poonguzhali S	School of Electrical & Electronics	Assistant Professor	Smart gas sensor based on photonic crystal for sensing perilous gases: industrial and mining applications	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	https://doi.org/10.1080/15567036.2022.2115583	2.902
141.	Dr.M.Subramoniam	School of Electrical & Electronics	Professor	Transfer learning convolutional neural network with modified Lion optimization for multimodal biometric system	Computers and Electrical Engineering	https://doi.org/10.1016/j.compeleceng.2023.108664	4.152
142.	Dr.M.Subramoniam	School of Electrical & Electronics	Professor	Meta-heuristic optimized hybrid wavelet features for arrhythmia classification	Intelligent Automation & Soft Computing	https://doi.org/10.32604/iasc.2023.034211	2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
143.	Dr.M.Subramoniam	School of Electrical & Electronics	Professor	Convolutional neural network with improved feature ranking for robust multi-modal biometric system	Computers and Electrical Engineering	https://doi.org/10.1016/j.compeleceng.2022.108096	4.152
144.	Dr.M.Subramoniam	School of Electrical & Electronics	Professor	A Convolutional Neural Network for COVID-19 Diagnosis: An Analysis of Coronavirus Infections through Chest X-rays	Electronics(Switzerland)	https://doi.org/10.3390/electronics11233975	2.9
145.	Dr.V.Vijayakumar	School of Electrical & Electronics	Associate Professor	Adsorption of CO ₂ , H ₂ O, H ₂ S, NH ₃ and NO ₂ on germanane nanosheet—A density functional study	Computational and Theoretical Chemistry	https://doi.org/10.1016/j.comptc.2022.113799	2.8
146.	Dr.S.Lakshmi	School of Electrical & Electronics	Professor	An Efficient Hybrid Model for Acute Myeloid Leukaemia detection using Convolutional Bi- LSTM based Recurrent Neural Network	Computer Methods in Biomechanics & Biomedical Engineering: Imaging and Visualization	https://doi.org/10.1080/21681163.2022.2073912	1.6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
147.	Dr.T.Vino	School of Electrical & Electronics	Associate Professor	Multicluster Analysis and Design of Hybrid Wireless Sensor Networks Using Solar Energy	International Journal of Photoenergy	https://doi.org/10.1155/2022/1164613	3.2
148.	Dr.S.Radhika	School of Electrical & Electronics	Professor	An optimal model for enhancing network lifetime and cluster head selection using hybrid snake whale optimization	Peer-to-Peer Networking and Applications	https://doi.org/10.1007/s12083-023-01487-9	4.2
149.	Dr.S.Radhika	School of Electrical & Electronics	Professor	An energy-efficient MANET relay node selection and routing using a fuzzy-based analytic hierarchy process	Telecommunica tion Systems	https://doi.org/10.1007/s11235-023-00995-6	2.5
150.	Dr.S.Radhika	School of Electrical & Electronics	Professor	Hybrid support vector machine and K- nearest neighbor-based software testing for educational assistant	Concurrency and Computation: Practice and Experience	https://doi.org/10.1002/cpe.7433	2
151.	Dr.S.Radhika	School of Electrical & Electronics	Professor	An Efficient Hybrid Ensemble SVM for Optimal Channel and Power Allocation Using Chaotic Quantum Bat Optimization	IETE Journal of Research	https://doi.org/10.1080/03772063.2023.2186503	1.5

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
152.	Dr.S.Radhika	School of Electrical & Electronics	Professor	WSO-T2FSM: War strategy optimization- based type-2 fuzzy- based starling murmuration for addressing the routing problem in mobile ad hoc network	Concurrency and Computation: Practice and Experience	https://doi.org/10.1002/cpe.7684	2
153.	Dr.S.Radhika	School of Electrical & Electronics	Professor	A cost-effective test case selection and prioritization using hybrid battle royale- based remora optimization	Neural Computing and Applications	https://doi.org/10.1007/s00521-022-07627-1	6
154.	Dr.S.Radhika	School of Electrical & Electronics	Professor	Robust Exponential Hyperbolic Sine Adaptive Filter for Impulsive Noise Environments	IEEE Transactions on Circuits and Systems II: Express Briefs	10.1109/TCSII.2022.3200523	4.4
155.	V.Senthil Nayagam	School of Electrical & Electronics	Associate Professor	Energy efficient tubular solar still for augmented yield using electrical heater	Energy Reports	https://doi.org/10.1016/j.egy.2022.10.283	5.2
156.	Dr.S.Jayaprak ash	School of Electrical & Electronics	Associate professor	Development of Energy Management System for Micro Grid Operation	Computer Systems Science & Engineering	DOI: 10.32604/csse.2023.032038	2.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
157.	Dr.V.Sivachid ambaranathan	School of Electrical & Electronics	Professor	Critical analysis on cascaded T- type multilevel inverter topology to grid- integrated photovoltaic systems for symmetrical voltage ratios	International Journal of System Assurance Engineering and Management	https://link.springer.com/article/10.1007/s13198-021-01491-3	2
158.	Dr.V.Sivachid ambaranathan	School of Electrical & Electronics	Professor	A Nonlinear Controller for Neutral Point Piloted (T-Type) Multilevel Inverter-Based Three-Phase Four- Wire DSTATCOM	International Transactions on Electrical Energy Systems	https://doi.org/10.1155/2022/7899765	2.3
159.	R.Bhavani	School of Electrical & Electronics	Assistant Professor	Brain image fusion-based tumour detection using grey level co- occurrence matrix Tamura feature extraction with backpropagation network classification.	Mathematical Biosciences and Engineering	10.3934/mbe.202338 3	2.6
160.	Dr. S. Emalda Roslin	School of Electrical & Electronics	Professor	High Throughput PRESENT Cipher Hardware Architecture for the Medical IoT Applications	Cryptography	https://doi.org/10.3390/cryptography7010006	1.6
161.	Dr.V.Vedanar ayanan	School of Electrical & Electronics	Associate Professor	Performance Development and Evaluation of Solar Air Collector with Novel Phase Change Material	International Journal of Photoenergy	https://doi.org/10.1155/2022/3787141	3.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
162.	Dr.V.Vedanar ayanan	School of Electrical & Electronics	Associate Professor	Reinforcement learning to improve QoS and minimizing delay in IoT	Intelligent Automation & Soft Computing	https://doi.org/10.32604/iasc.2023.032396	2
163.	Dr V Balamurugan	School of Electrical & Electronics	Associate Professor	Cross lingual handwritten character recognition using long short term memory network with aid of elephant herding optimization algorithm	Pattern Recognition Letters	https://doi.org/10.1016/j.patrec.2022.04.038	5.1
164.	Dr.E. Logashanmug am	School of Electrical & Electronics	Pro-Vice Chancellor	Hybrid deep learning with optimal feature selection for speech emotion recognition using improved meta-heuristic algorithm	Knowledge- Based Systems	https://www.sciencedirect.com/science/article/abs/pii/S0950705122003021	8.8
165.	Dr. E. Logashanmug am	School of Electrical & Electronics	Pro-Vice Chancellor	Energy and spectral efficiency improvement using improved shark smell- coyote optimization for massive MIMO system	International Journal of Communication Systems	https://doi.org/10.1002/dac.5381	2.1
166.	Dr. T. Sasipraba	IRC	Vice Chancellor	Estimation of Higher Heating Value for MSW Using DSVM and BSOA	Intelligent Automation & Soft computing	https://doi.org/10.32604/iasc.2023.030479	2
167.	Dr. T. Sasipraba	IRC	Vice Chancellor	Stochastic Gradient Descent long short- term memory based secure encryption algorithm for cloud data storage and retrieval in cloud computing environment	Journal of Cloud Computing	https://doi.org/10.1186/s13677-023-00442-6	4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
168.	Dr. T. Sasipraba	IRC	Vice Chancellor	An optimal model for municipal solid waste management using hybrid dual faster R-CNN	Environmental Monitoring & Assessment	https://doi.org/10.1007/s10661-023-10984-6	3
169.	Dr. T. Sasipraba	IRC	Vice Chancellor	Multilevel augmentation for identifying thin vessels in diabetic retinopathy using unet model	Intelligent Automation & Soft Computing	https://doi.org/10.32604/iasc.2023.028996	2
170.	V. Balachandar	IRC	Scientific Assistant	Dynamic behavior of heavy water inside and outside of poly (N-isopropylacrylamide) [PNIPAM] microgel using broadband dielectric spectroscopy	IEEE Transactions on Dielectrics & Electrical Insulation	10.1109/TDEI.2023.3261832	3.1
171.	Dr. Kunal Biswas	IRC	Assistant Professor (Research)	Ultrasonication mediated Iron- doped reduced graphene oxide nano-sheets exhibiting unique physico- chemical properties and biomedical applications	Materials Chemistry and Physics (Elsevier)	https://doi.org/10.1016/j.matchemphys.2022.126687	4.6
172.	Dr. Kunal Biswas	IRC	Assistant Professor (Research)	Current Advances on Biomedical Applications and Toxicity of MWCNTs: A Review	BioNanoScience (Springer)	https://doi.org/10.1007/s12668-023-01110-4	3
173.	Dr. Kunal Biswas	IRC	Assistant Professor (Research)	Exploring the Potentials of Magnetic Nanoscale Material for Different Biomedical Applications: a Review	BioNanoScience (Springer)	https://doi.org/10.1007/s12668-023-01137-7	3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
174.	Saravanan C	IRC	Scientific Assistant	Pseudocapacitive behavior in graphene oxide/NiO-polystyrene-block-polyisoprene-block- polystyrene triblock copolymer nanocomposites	Materials Letters	https://doi.org/10.1016/j.matlet.2023.134813	3
175.	Dr G Murugadoss	IRC	Associate Professor (Research)	Ultrafast photodegradation of textile industry dyes using efficient sulfide based ternary nanocomposites	Chemosphere	https://doi.org/10.1016/j.chemosphere.2023.139100	8.8
176.	Dr G Murugadoss	IRC	Associate Professor (Research)	2. Ultra-fast photocatalytic degradation and seed germination of band gap tunable nickel doping ceria nanoparticles	Chemosphere	https://doi.org/10.1016/j.chemosphere.2023.138934	8.8
177.	Dr G Murugadoss	IRC	Associate Professor (Research)	Cost-effective carbon black- graphite composite with solid- state based CuSCN electrode for dye-sensitized solar cells	FUEL	https://doi.org/10.1016/j.fuel.2023.128527	7.4
178.	Dr G Murugadoss	IRC	Associate Professor (Research)	Facile route of heterostructure CeO ₂ -CuO nanocomposite as an efficient electron transport material for perovskite solar cells	Environmental Research	https://doi.org/10.1016/j.envres.2023.115853	8.3
179.	Dr G Murugadoss	IRC	Associate Professor (Research)	Synthesis and characterization of metal-free nanosheets of carbo- catalysts for bifunctional electrocatalyst towards HER and OER application	Molecular Catalysis	https://doi.org/10.1016/j.mcat.2023.113043	4.6

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180.	Dr G Murugadoss	IRC	Associate Professor (Research)	Improved electrochemical supercapacitive properties of CuO-Ni(OH) ₂ nanocomposites by eco-friendly low-temperature synthesis	Journal of Alloys and Compounds	https://doi.org/10.1016/j.jallcom.2023.169130	6.2
181.	Dr G Murugadoss	IRC	Associate Professor (Research)	Decoration of ZnO surface with tiny sulfide-based nanoparticles for improve photocatalytic degradation efficiency	Environmental Research	https://doi.org/10.1016/j.envres.2022.115171	8.3
182.	Dr G Murugadoss	IRC	Associate Professor (Research)	Nitrogen implanted carbon nanosheets derived from Acorus calamus as an efficient electrode for the supercapacitor application	Molecular Catalysis	https://doi.org/10.1016/j.mcat.2023.112978	4.6
183.	Dr. D. Dinesh Kumar	IRC	Associate Professor (Research)	State-of-the-Art Developments in Advanced Hard Ceramic Coatings Using PVD Techniques for High- Temperature Tribological Applications	Ceramics	https://doi.org/10.3390/ceramics6010019	2.8
184.	Dr G Murugadoss	IRC	Associate Professor (Research)	Visible light active hybrid silver decorated g-C ₃ N ₄ -CeO ₂ nanocomposite for ultrafast photocatalytic activity and toxicity evaluation	Environmental Research	https://doi.org/10.1016/j.envres.2022.114749	8.3
185.	Dr. D. Dinesh Kumar	IRC	Associate Professor (Research)	Multi-functional bioactive silver- and copper-doped diamond-like carbon coatings for medical implants	Acta Biomaterialia	https://doi.org/10.1016/j.actbio.2023.06.037	9.7

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186.	Dr G Murugadoss	IRC	Associate Professor (Research)	Cerium-based metal sulfide derived nanocomposite- embedded rGO as an efficient catalyst for photocatalytic application	Environmental Science and Pollution Research	https://doi.org/10.1007/s11356-022-24311-y	5.8
187.	Dr G Murugadoss	IRC	Associate Professor (Research)	Nickel-Cadmium-Sulfide Anchored on rGO Nanocomposite for Removal of Textile Industry Dyes	Sustainability	https://doi.org/10.3390/su142316184	3.9
188.	W.A.Carlton Ranjith	IRC	Scientific Assistant	In silico exploration of antioxidants as oxidation protectant for PITRM1 peptidase activity, an Alzheimer disease target	Journal of Cellular Biochemistry	https://doi.org/10.1002/jcb.30426	4
189.	W.A.Carlton Ranjith	IRC	Scientific Assistant	Functionalized Sulphur-Containing Heterocyclic Analogs Induce Sub- G1 Arrest and Apoptotic Cell Death of Laryngeal Carcinoma In Vitro	Molecules	https://doi.org/10.3390/molecules28041856	4.6
190.	Dr G Murugadoss	IRC	Associate Professor (Research)	NiFe Layered Double Hydroxide Electrocatalyst Prepared via an Electrochemical Deposition Method for the Oxygen Evolution Reaction	Catalysts	https://doi.org/10.3390/catal12111470	3.9
191.	Dr G Murugadoss	IRC	Associate Professor (Research)	Enhanced electrochemical and photocatalytic performance of high-quality silver nanoparticles	Inorganic Chemistry Communications	https://doi.org/10.1016/j.inoche.2022.110162	3.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
192.	nandha Gopal	IRC	Scientific Assistant	The UV-B protective effect of a SiO ₂ doped TiO ₂ thin film regulates pitx3 and sparc expression during embryonic development of zebrafish.	Environmental Science: nano	DOI https://doi.org/10.1039/D2EN00236A	7.3
193.	Dr G Murugadoss	IRC	Associate Professor (Research)	A Novel Nanocomposite Based on Triazine Based Covalent Organic Polymer Blended with Porous g- C ₃ N ₄ for Photo Catalytic Dye Degradation of Rose Bengal and Fast Green	Molecules	https://doi.org/10.3390/molecules27217168	4.6
194.	Dr G Murugadoss	IRC	Associate Professor (Research)	Reduced Graphene Oxide–Metal Oxide Nanocomposites (ZrO ₂ and Y ₂ O ₃): Fabrication and Characterization for the Photocatalytic Degradation of Picric Acid	Catalysts	https://doi.org/10.3390/catal12101249	3.9
195.	Dr G Murugadoss	IRC	Associate Professor (Research)	A non-aqueous nickel–manganese sulfide on rGO wrapped Ni-foam as a supercapacitor advanced electrode material	Journal of Materials Science:	https://doi.org/10.1007/s10854-022-09064-1	2.8
196.	Dr G Murugadoss	IRC	Associate Professor (Research)	Controlled Synthesis of Europium- Doped SnS Quantum Dots for Ultra-Fast Degradation of Selective Industrial Dyes	Catalysts	https://doi.org/10.3390/catal12101128	3.9
197.	Dr G Murugadoss	IRC	Associate Professor (Research)	2D MXene Nanomaterials as Electrocatalysts for Hydrogen Evolution Reaction (HER): A Review	Micromachines	https://doi.org/10.3390/mi13091499	3.4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
198.	Kunjulakshmi K	IRC	Research Assistant	Macrobrachium irwini sp. nov., a new species of freshwater shrimp from Western Ghats, India (Caridea: Palaemonidae)	Zootaxa	10.11646/zootaxa.5194.3.5	0.9
199.	B. Vigneshwaran	IRC	Assistant Professor	Surface modification of coral skeleton derived nanohydroxyapatite using polymers and its in-vitro studies for bone substitute applications	Vacuum	https://doi.org/10.1016/j.vacuum.2023.111838	4
200.	B. Vigneshwaran	IRC	Assistant Professor	Diffraction and spectroscopic assessment of crystallographic phase stability of potassium dihydrogen phosphate at shocked conditions	Physica B: Condensed Matter	https://doi.org/10.1016/j.physb.2021.413549	2.8
201.	B. Vigneshwaran	IRC	Assistant Professor	A detailed study on the enhanced anti-corrosion properties of nano silicon dioxide additive influencing calcium modified zinc phosphate coating on mild steel	International Journal of Surface Science and Engineering	https://doi.org/10.1504/IJSURFSE.2022.125436	0.8
202.	S. PRAKASH	IRC	Scientist D	Probing the thermo tolerant endosymbiont genus Durusdinium (Clade D) in the scleractinian corals of Palk Bay, Southeast coast of India	Biologia	https://doi.org/10.1007/s11756-022-01235-z	1.5

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
203.	S. PRAKASH	IRC	Scientist D	Unweaving a hard taxonomic knot in coral reef dwellers: integrative systematics reveals two parallel cryptic species complexes in ‘marbled’ shrimps of the genus <i>Saron</i> Thallwitz 1891 (Caridea: Hippolytidae)	Coral Reefs	10.1007/s00338-022-02317-9	3.5
204.	Dr. Amit Kumar	IRC	Scientist D	Mitochondrial Genome of “Spotted Numbfish” <i>Narcine timplei</i> (Bloch & Schneider, 1801) and Phylogenetic Relationships among Order Torpediniformes	Journal of Applied Ichthyology	https://doi.org/10.1155/2023/6829359	0.9
205.	Dr. Amit Kumar	IRC	Scientist D	Evaluation of growth, primary productivity, nutritional composition, redox state, and antimicrobial activity of red seaweeds <i>Gracilaria debilis</i> and <i>Gracilaria foliifera</i> under pCO ₂ - induced seawater acidification	Marine Pollution Bulletin	https://doi.org/10.1016/j.marpolbul.2022.114296	5.8
206.	Dr. Amit Kumar	IRC	Scientist D	A new species of the genus <i>Protohyale</i> Bousfield & Hendrycks, 2002 (Crustacea, Amphipoda, Hyalidae) from Covelong, Chennai, India	Zootaxa	10.11646/ZOOTAXA.5205.6.4	0.9

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
207.	Dr. Amit Kumar	IRC	Scientist D	Seasonal Changes in the Biochemical Constituents of Green Seaweed <i>Chaetomorpha antennina</i> from Covelong, India	MDPI- Biomolecules	https://doi.org/10.3390/biom12101475	5.5
208.	Dr. J. Arun	IRC	Assistant professor (Research)	A comparative review on photo and mixotrophic mode of algae cultivation: Thermochemical processing of biomass, necessity of bio-oil upgrading, challenges and future roadmaps	Applied energy	https://doi.org/10.1016/j.apenergy.2022.119808	11.2
209.	Dr. Vengatesh	IRC	Asst Professor (Research)	Modulating the Combinatorial Target Power of MgSnN ₂ via RF Magnetron Sputtering for Enhanced Optoelectronic Performance: Mechanistic Insights from DFT Studies	ACS Appl. Mater. Interfaces	10.1021/acsami.2c22514	9.5
210.	Dr. Shyju T.S.	IRC	Associate Professor (Research)	Plasmon-Enhanced Efficiency of DSSC and Hybrid Nano Catalysis Applications	Topics in Catalysis	10.1007/s11244-022-01678-3	3.6
211.	Dr. N. Nirmala	IRC	Scientist - C	Technical insights of microalgae derived bio-diesel on its performance and emission characteristics, techno- economics and practicability huddles	Fuel	https://doi.org/10.1016/j.fuel.2023.128744	7.4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	I.F
212.	Dr. N. Nirmala	IRC	Scientist - C	A review on biological biohydrogen production: Outlook on genetic strain enhancements, reactor model and techno-economics analysis	Science of the Total Environment	http://dx.doi.org/10.1016/j.scitotenv.2023.165143	9.8
213.	Dr. J. Arun	IRC	Assistant professor (Research)	Processing of marine microalgae biomass via hydrothermal liquefaction for bio-oil production: study on algae cultivation, harvesting, and process parameters	Biomass conversion and biorefinery	https://doi.org/10.1007/s13399-022-03446-5	4
214.	Dr. J. Arun	IRC	Assistant professor (Research)	Bioremediation of organic pollutants: a mini review on current and critical strategies for wastewater treatment	Archives of Microbiology	https://doi.org/10.1007/s00203-022-02907-9	2.8
215.	Dr. J. Arun	IRC	Assistant professor (Research)	A mini-review on innovative strategies for simultaneous microbial bioremediation of toxic heavy metals and dyes from wastewater	Archives of Microbiology	https://doi.org/10.1007/s00203-022-03367-x	2.8
216.	Dr. J. Arun	IRC	Assistant professor (Research)	Synthesis and application of titanium dioxide photo catalysis for energy, decontamination and viral disinfection: a review	Environmental chemistry letters	https://doi.org/10.1007/s10311-022-01503-z	15.7

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
217.	Dr. J. Arun	IRC	Assistant professor (research)	Influence of biomass and Nano additives in dark fermentation for enriched bio-hydrogen production: A detailed mechanistic review on pathway and commercialization challenges	Fuel	https://doi.org/10.1016/j.fuel.2022.125112	7.4
218.	Dr. J. Arun	IRC	Assistant professor (research)	Utilization of biosilica from Bermuda grass ash on silver-grey magnesium: influence of biosilica on its mechanical and tribological properties	Biomass conversion and biorefinery	https://doi.org/10.1007/s13399-023-04502-4	4
219.	Dr. J. Arun	IRC	Assistant professor (Research)	Technical insights on various routes of hydrogen production from pharmaceutical, hydrothermal, sewage and textile wastewaters:Cost comparison and challenges	Fuel	https://doi.org/10.1016/j.fuel.2023.127471	7.4
220.	Dr. J. Arun	IRC	Assistant professor (research)	A review on solar energy intensified biomass valorisation and value-added products production: Practicability, challenges, techno economic and lifecycle assessment	journal of cleaner production	https://doi.org/10.1016/j.jclepro.2023.137028	11.1
221.	Krishnamanik umar	IRC	Scientific Assistant	Polyphagous insect Olepapisps. feeding on cardenolide rich Calotropis gigantea (L.) leaves and detoxification mechanism involving GST	Heliyon	https://doi.org/10.1016/j.heliyon.2022.e10596	4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	I.F
222.	Krishnamanikumar	IRC	Scientific Assistant	A brief review on oryzacystatin: a potent phytocystatin for crop management	Molecular Biology Reports	https://doi.org/10.1007/s11033-022-08161-7	2.8
223.	Viswanathan. K	IRC	Assistant Professor (Research)	Investigation of Carbon Nanotube Metal Zinc Oxide Nanoparticle Synthesis and its Applications	Current Analytical Chemistry	https://doi.org/10.2174/1573411018666220523155549	1.8
224.	Subha Rao	IRC	Assistant Professor (Research)	Cellular temperature probing using optically trapped single up conversion luminescence	Analytica Chimica Acta	https://doi.org/10.1016/j.aca.2023.341530	6.2
225.	Dr. M. Rajasekar	IRC	Assistant Professor (Research)	Review of photo responsive and glycoside dendrimers in biomaterials and sensors applications	RSC Advances	10.1039/d2ra06563k	3.9
226.	Dr. M. Rajasekar	IRC	Assistant Professor (Research)	Recent trends in synthesis of photoluminescence based pyrene derivatives and their biomaterial applications	Results in Chemistry	https://doi.org/10.1016/j.rechem.2023.101008	2.37
227.	Dr. M. Rajasekar	IRC	Assistant Professor (Research)	Recent trends in fluorescent- based copper (II) chemo sensors and their biomaterial applications	Inorganic Chemistry Communication s	https://doi.org/10.1016/j.inoche.2023.110609	3.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
228.	Dr. M. Rajasekar	IRC	Assistant Professor (Research)	Recent advances in Fluorescent- based cation sensors for biomedical applications	Results in Chemistry	https://doi.org/10.1016/j.rechem.2023.100850	2.37
229.	Dr. S. Johnson Retnaraj Samuel	IRC	Associate Professor / Scientist 'D'	Foldscope microscope, an inexpensive alternative tool to conventional microscopy— Applications in research and education: A review	Microscopy Research and Technique	https://doi.org/10.1002/jemt.24205	2.5
230.	Dr. Dawn S	IRC	Scientist- E	Theoretical prediction of odour determining parameters in dairy effluent using adaptive neuro fuzzy inference system	Global NEST Journal	https://doi.org/10.30955/gnj.004522	1.1
231.	Dr. S. Jackson Durairaj	IRC	Scientist D	Current scenario of solid waste management techniques and challenges in Covid-19 – A review	Heliyon	https://doi.org/10.1016/j.heliyon.2022.e09855	4
232.	Dr. S. Jackson Durairaj	IRC	Scientist D	Comparative analysis of the survival and regeneration potential of juvenile and matured earthworm, Eudrilus eugeniae, upon in vivo and in vitro maintenance	In Vitro Cellular & Developmental Biology - Animal	https://doi.org/10.1007/s11626-022-00706-6	2.1
233.	Dr. Manjunath S Kamath	IRC	Assistant Professor (Research)	Design development and optimisation of multifunctional Doxorubicin-loaded Indocyanine Green proniosomal gel derived niosomes for tumour management.	Scientific Reports	https://doi.org/10.1038/s41598-023-28891-8	4.6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
234.	Dr Manjunath S Kamath	IRC	Assistant Professor	New ways to Protect the Host from SARS-CoV-2? Lung Microbiome Metabolites inhibit STAT 3 and Modulate the Immunological Network.	OMICS: A Journal of Integrative Biology	DOI:10.1089/omi.2023.0002	3.3
235.	Dr. P. Priyadharsini	IRC	Scientific Assistant	Genetic improvement of microalgae for enhanced carbon dioxide sequestration and enriched biomass productivity: Review on CO2 bio-fixation pathways modifications	Algal Research	https://doi.org/10.1016/j.algal.2022.102810	5.1
236.	Dr. P. Priyadharsini	IRC	Scientific Assistant	Recent advances in conventional and genetically modified macroalgal biomass as substrates in bioethanol production: a review	Biofuels	https://doi.org/10.1080/17597269.2023.2206695	2.1
237.	Dr.Manjunath S Kamath	IRC	Assistant Professor (Research)	Sensing performance optimization by refining the temperature and humidity of clad engraved optical fiber sensor in glucose solution concentration	Measurement	https://doi.org/10.1016/j.measurement.2022.112341	5.6
238.	Dr.Manjunath S Kamath	IRC	Assistant Professor (Research)	Performance evaluation of Ce doped ZnO clad modified fiber optic non-enzymatic glucose sensor at varying ambient temperatures for blood sugar detection applications	Microchemical Journal	https://doi.org/10.1016/j.microc.2022.107890	4.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
239.	Dr.Manjunath S Kamath	IRC	Assistant Professor (Research)	Sustained release of resveratrol from fused deposition modelling guided 3D porous scaffold for bone tissue engineering	Process Biochemistry	https://doi.org/10.1016/j.procbio.2023.06.001	4.4
240.	Dr.Manjunath S Kamath	IRC	Assistant Professor (Research)	Controlled release of kaempferol from porous scaffolds augments in-vitro osteogenesis in human osteoblasts	Journal of Drug Delivery Science and Technology	https://doi.org/10.1016/j.jddst.2023.104396	5
241.	Dr.Manjunath S Kamath	IRC	Assistant Professor (Research)	Sustained delivery of andrographolide from 3D porous scaffolds imparting anticancer activity	Journal of Drug Delivery Science and Technology	https://doi.org/10.1016/j.jddst.2022.103570	5
242.	Dr. Y. Beryl Vedha	IRC	Assistant Professor (Research)	Current Innovations in Intraocular Pressure Monitoring Biosensors for Diagnosis and Treatment of Glaucoma—Novel Strategies and Future Perspectives	Biosensors	10.3390/bios13060663	5.4
243.	Dr. S. Johnson Retnaraj Samuel	IRC	Associate Professor (Research) / Scientist	TLR-7/8 Agonist-Loaded Polypyrrole-Based Theranostic Nanovaccine for Second Near-Infrared Photothermal Immunotherapy of Cancer	ACS Applied Nano Materials	https://doi.org/10.1021/acsanm.3c00639	5.9
244.	Dr. P. Kuppusami	IRC	Professor/ Senior Scientist (Research)	Highly Durable Antimicrobial Tantalum Nitride/Copper Coatings on Stainless Steel Deposited by Pulsed Magnetron Sputtering	Micromachines	https://doi.org/10.3390/mi13091411	3.4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
245.	Dr. K. Gobi Saravanan	IRC	Associate Professor (Research)	Binder-free TiN/graphite based thin film negative electrode for flexible energy storage devices	Vacuum	10.1016/j.vacuum.2023.111848	4
246.	Dr. K. Gobi Saravanan	IRC	Associate Professor (Research)	Hydrogels - A Promising Materials for 3D Printing Technology	GELS	https://doi.org/10.3390/gels9030260	4.6
247.	Dr. K. Gobi Saravanan	IRC	Associate Professor (Research)	Multifunctional Coatings on Implant Materials—A Systematic Review of the Current Scenario	Coatings	https://doi.org/10.3390/coatings13010069	3.4
248.	Dr. K. Gobi Saravanan	IRC	Associate Professor (Research)	Efficacy of Graphene-Based Nanocomposite Gels as a Promising Wound Healing Biomaterial	GELS	https://doi.org/10.3390/gels9010022	4.6
249.	Dr. K. Gobi Saravanan	IRC	Associate Professor (Research)	Advanced Alloys and Coatings for Bio implants	Coatings	https://doi.org/10.3390/coatings12101525	3.4
250.	Dr. J. Arun	IRC	Scientist-C	A review on biofilm-based reactors for wastewater treatment: Recent advancements in biofilm carriers, kinetics, reactors, economics, and future perspectives	Science of the total environment	http://dx.doi.org/10.1016/j.scitotenv.2023.164796	9.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
251.	Dr. A. Madan Kumar	IRC	Assistant Professor (Research)	Facile synthesis of Mn-Ni bimetal organic framework decorated with amine as an electrode for a high- performance super capacitor	Journal of Solid State Electrochemistry	https://doi.org/10.1007/s10008-023-05382-4	2.5
252.	Dr. A. Madan Kumar	IRC	Assistant Professor	Lipidomic Analysis of Liver Lipid Droplets after Chronic Alcohol Consumption with and without Betaine Supplementation	MDPI - Biology	https://doi.org/10.3390/biology12030462	4.2
253.	Dr. A. Madan Kumar	IRC	Assistant Professor (Research)	Recent trends in macromolecule-conjugated hybrid quantum dots for cancer theranostic applications	RSC Advances	DOI https://doi.org/10.1039/D3RA02673F	3.9
254.	Kathiravan S	IRC	Scientific Assistant	Study of oxide layer formation on Inconel 718 during isothermal oxidation between 800 °C to 1200 °C in hot air	Ceramics International	https://doi.org/10.1016/j.ceramint.2022.07.187	5.3
255.	Dr.Helen Merina Albert	S&H	Professor	Growth, structural, optical, and thermal characterizations of L- serine-doped succinic acid (LSSA) crystals for nonlinear optical applications	Journal of Materials Science: Materials in Electronics	https://doi.org/10.1007/s10854-023-10840-w	2.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
256.	James John	S&H	Assistant Professor	Impact of crop establishment techniques and weed management practices on <i>Oryza sativa</i> L. growth and yield	Agronomy	https://doi.org/10.1002/agj2.21363	2.1
257.	Dr.Helen Merina Albert	S&H	Professor	Synthesis, Spectroscopic, and Antibacterial Characterizations of Cadmium–Based Nanoparticles	Journal of Fluorescence	https://doi.org/10.1007/s10895-023-03290-4	2.7
258.	James John	S&H	Assistant Professor	Assessment of nest architecture and pollination efficiency of <i>Lasioglossum (Evylaeus) marginatum</i> (Helictidae: Hymenoptera)	Biologia	https://doi.org/10.1007/s11756-023-01419-1	1.5
259.	James John	S&H	Assistant Professor	Effect of hematocrit, galactose and ascorbic acid on the blood glucose readings of three point- of-care glucometers	Scandinavian Journal of Clinical and Laboratory Investigation	https://doi.org/10.1080/00365513.2022.2138779	2.1
260.	James John	S&H	Assistant Professor	The Therapeutic Potential and efficacy determination of “Kushmanda Rasayanam” ayurvedic formulation by chromatographic techniques	International Journal of Ayurvedic Medicine	DOI: 10.47552/ijam.v13i4.3074	0.5

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
261.	James John	S&H	Assistant Professor	The Molecular Approaches and Challenges of Streptococcus pneumoniae Serotyping for Epidemiological Surveillance in the Vaccine Era	Polish Journal of Microbiology	doi: 10.33073/pjm-2023-023	2.1
262.	Dr.K.Anju	S&H	Assistant Professor	Interaction of an Aldose Sugar with Photo induced Electron Transfer (PET) and Non-PET Based Acridinedione Dyes in Water: Hydrogen-bonding Evidences from Fluorescence Spectral Techniques Assisted by Molecular Docking Approach	Journal of Fluorescence	https://doi.org/10.1007/s10895-022-03062-6	2.7
263.	Dr.K.Anju	S&H	Assistant Professor	Complexity of the Role of Various Site-Specific and Selective Sudlow Binding Site Drugs in the Energetics and Stability of the Acridinedione Dye–Bovine Serum Albumin Complex: A Molecular Docking Approach	ACS Omega	https://doi.org/10.1021/acsomega.2c07111	4.132
264.	Dr.K.Anju	S&H	Assistant Professor	Molecular Docking approach on the effect of Site- Selective and Site-Specific Drugs on the Molecular Interactions of Human Serum Albumin (HSA) - Acridinedione dye complex	Arabian Journal of Chemistry	https://doi.org/10.1016/j.arabjc.2023.104701	6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
265.	Dr.K.Anju	S&H	Assistant Professor	Photo physical and molecular docking approach on the interaction of water-soluble simple keto sugar with acridinedione dyes	Results in Chemistry	https://doi.org/10.1016/j.rechem.2022.100680	2.37
266.	Dr.Kirubhasha nkar C K	S&H	Assistant Professor	New Ranking of Generalized Quadrilateral Shape Fuzzy Number Using Centroid Technique	Intelligent Automation & Soft Computing	10.32604/iasc.2023.033870	2
267.	Dr.J.Anita Lett	S&H	Assistant Professor	Recent advancements in polymer matrix nanocomposites for bone tissue engineering applications	Journal of Drug Delivery Science and Technology	https://doi.org/10.1016/j.jddst.2023.104313	5.062
268.	Dr.J.Anita Lett	S&H	Assistant Professor	Hydrothermal Synthesis and Photocatalytic Activity of NiO Nanoparticles under Visible Light Illumination	Bulletin of Chemical Reaction Engineering & Catalysis	https://doi.org/10.9767/bcrec.17.2.13948.430-450	1.5
269.	Dr.P.Malliga	S&H	Associate professor And HOD	Investigation of novel organometallic and physicochemical properties of [Sr (C10H20O5)2 · Co (SCN)4]: SCCTC single crystal for NLO application	Optical And Quantum Electronics	https://link.springer.com/article/10.1007/s11082-023-05040-z	3
270.	Dr Saheli Karmakar	S&H	Assistant Professor	"Accessing blue-room-temperature phosphorescence from pyridine-fused extended coumarins"	Journal of Luminescence	https://doi.org/10.1016/j.jlum.2023.120029	3.6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
271.	Dr K Parasuraman	S&H	Assistant Professor	Pseudo-first kinetics model of copper doping on the structural, magnetic, and photocatalytic activity of magnesium oxide nanoparticles for energy application	biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-022-02993-1	4.05
272.	Dr. D. Rajkumar	S&H	Assistant Professor	Pulsating magneto hydrodynamic flow of Fe ₃ O ₄ -blood based micro polar Nano fluid between two vertical porous walls with Cattaneo–Christov heat flux and entropy generation	Journal of Magnetism and Magnetic Materials	https://doi.org/10.1016/j.jmmm.2023.170564	2.7
273.	M. Manjula	S&H	Associate Professor	Revealing enhanced thermoelectric performance of Tin-Bismuth-Telluride-materials	Bulletin of Materials Science	https://doi.org/10.1007/s12034-022-02749-7	1.878
274.	M. Manjula	S&H	Associate Professor	First principles calculations to investigate structural, electronic, mechanical, thermoelectric and optical properties of Bi- and Se- doped SnTe	journal of Physics and Chemistry of Solids	https://doi.org/10.1016/j.jpcs.2023.111232	4
275.	Dr.J.Anita Lett	S&H	Assistant Professor	Photocatalytic and Electrochemical Activity of Magnesium Oxide Nanoballs Synthesized via a Hydrothermal Route	Processes	https://doi.org/10.3390/pr10102098	3.5
276.	J. Anita Lett	S&H	Assistant Professor	Evaluation of Photocatalytic Activity and Electrochemical Properties of Hematite Nanoparticles	Symmetry	https://doi.org/10.3390/sym15061139	2.7

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
277.	Dr.J.Anita Lett	S&H	Assistant Professor	Hydrothermal Synthesis and Photocatalytic Activity of Mn ₃ O ₄ Nanoparticles	Topics in Catalysis	https://doi.org/10.1007/s11244-022-01710-6	2.781
278.	Dr. S. Supriya	S&H	Associate Professor	Mannich Metal Complex: Synthesis, Reaction Mechanism and Computational Studies	Journal of Molecular Structure	https://doi.org/10.1016/j.molstruc.2022.133625	3.841
279.	Dr. S. Supriya	S&H	Associate Professor	Solid state synthesis, characterization of gold nanoparticles-thymoquinone and its molecular docking studies against virulent M. tuberculosis H37Rv strain protein and WSSV envelope protein VP28	Journal : Materials Science & Engineering B	https://doi.org/10.1016/j.mseb.2022.116187	3.6
280.	Dr D S Jayalakshmi	S&H	Associate Professor	First-principles calculations for comparative band structure study of SrTiO ₃ perovskite on bulk and layered phases for efficient optoelectronic conversion	Computational and Theoretical Chemistry	https://doi.org/10.1016/j.comptc.2022.114006	2.8
281.	Dr D S Jayalakshmi	S&H	Associate Professor	FSSAM: A Five Stage Security Analysis Model for Detecting and Preventing Wormhole Attack in Mobile Ad-Hoc Networks Using Adaptive Atom Search Algorithm	Wireless Personal Communication s	https://doi.org/10.1007/s11277-022-09964-9	2.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
282.	Dr D S Jayalakshmi	S&H	Associate Professor	Bulk and Bi-Layered Surfaces of SrAlO ₃ Perovskite for Efficient Solar Cell Application - Full Potential Study	University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics	https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rezb05_831131.pdf	1.1
283.	S. Murugesan	S&H	Associate Professor	Radioactive heat production rate and excess lifetime cancer risk of sand from two major rivers in India – A comparative study	International Journal of Radiation Research	https://ijrr.com/article-1-4590-en.html	0.6
284.	Dr. T. Anand	S&H	Assistant Professor	Fluorescence Sensing of pH and p-Nitrophenol Using an AIEE Active Pyridoxal Derived Schiff Base	Journal of Fluorescence	https://doi.org/10.1007/s10895-023-03167-6	2.52
285.	Dr.T.Anand	S&H	Assistant Professor	Aggregation-induced Emission Active Naphthalimide Derived Schiff Base for Detecting Cu ²⁺ and Its Applications	Journal of Fluorescence	https://doi.org/10.1007/s10895-023-03287-z	2.52
286.	Kattela Chennakesavu lu	S&H	Professor	The hydrogen storage capacity of carbon nano-onions fabricated by thermal chemical vapour deposition	Internationa L Journal Of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2023.03.156	7.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
287.	Kattela Chennakesavu lu	S&H	Professor	Development of a novel biocollector for flotation of low grade graphite ore	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	https://doi.org/10.1080/15567036.2023.2168318	2.9
288.	Kattela chennakesavulu	S&h	Professor	A Mini Review on Flotation Techniques and Reagents Used in Graphite Beneficiation	International Journal of Chemical Engineering	https://doi.org/10.1155/2023/1007689	2.7
289.	Kattela chennakesavulu	S&h	Professor	A study on development of silicone rubber with conductive carbon, polyaniline, MWCNT composite for EMI shielding	High Performance Polymers	https://doi.org/10.1177/09540083221151013	2.1
290.	Dr. K. Vijai Anand	S&H	Associate Professor	Highly efficient, multiplexed SERS sensing of para-aminobenzoic acid using reusable silver nanoarrays for environmental monitoring	Materials Science & Engineering B	https://doi.org/10.1016/j.mseb.2023.116576	3.6
291.	Dr. K. Vijai Anand	S&H	Associate Professor	Green Synthesis of Blue Light- Emitting Carbon Dots Using Tridax procumbens Leaves: Optical and Electrochemical Studies	ECS Journal of Solid State Science and Technology	DOI: 10.1149/2162-8777/acdf81	2.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
292.	Rekha Chakravarthi	S&H	Dean	Agricultural intrusion detection (AID) based on the internet of things and deep learning with the enhanced lightweight M2M protocol	Soft Computing	10.1007/s00500-023-07935-1	4.1
293.	Dr. S. Sunitha	S&H	Assistant Professor	Computational investigation of thermochemistry and kinetics of the reaction between n-butyl peroxy and hydroperoxy radicals	Chemical Physics Letters	https://doi.org/10.1016/j.cplett.2022.140191	2.8
294.	Dr.N.Subashi ni	S&H	Assistant professor	Pulsatile flow of biviscous fluid through a tube of varying cross- section	World scientific journal	https://doi.org/10.1142/S0217984923410051	1.9
295.	D.S.Jayalaksh mi	&H	Associate Professor	Insulator–metal phase transition in novel Sr2OsTiO6 double perovskite via doping - Computational FP study	Computational Condensed Matter	https://doi.org/10.1016/j.cocom.2022.e00732	2.1
296.	Dr. M.Vidhya	S&H	Assistant Professor	Flow of visco elastic fluid through a porous medium with chemical reaction	Aircraft engineering and aerospace technology	https://doi.org/10.1108/AEAT-03-2022-0094	1.5
297.	Dr.M.Vidhya	S&H	Assistant Professor	Externally applied magnetic force effect on the Couette flow of a viscous incompressible fluid with heat source/sink	Aircraft Engineering and Aerospace Technology	10.1108/AEAT-07-2022-0187	1.5

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
298.	Dr.M.Vidhya	S&H	Assistant Professor	Effect of Soret on MHD rotating fluid flow through a porous medium with heat and mass transfer	Aircraft Engineering and Aerospace Technology	10.1108/AEAT-06-2022-0162	1.5
299.	Dr R Raja Kumar	S&H	Professor	Clinical Decision Support System for Ophthalmologists for Eye Disease Classification	IETE Journal of Research	10.1080/037772063.2022.2101552	1.5
300.	Dr R Raja Kumar	S&H	Professor	Novel segmentation and classification algorithm for detection of tomato leaf disease	Concurrency Computation Practice Experience	https://doi.org/10.1002/cpe.7674	2
301.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	The silent epidemic of substandard and falsified medicines in low- and middle-income countries: heed lessons from the tragic deaths of children in Indonesia	International Journal of Surgery	https://doi.org/10.1097/JS9.0000000000000059	15.3
302.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	Taking cognizance of the risks associated with COVID-19, vaccine, and treatment in liver transplant recipients – A commentary on “The urgency of the Covid-19 vaccine in liver transplantation patients: What, how, and when?” [Int. J. Surg. 100 (Suppl) (2022) 106492]	International Journal of Surgery	https://doi.org/10.1016/j.ijsu.2022.106823	15.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
303.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	Long COVID-19 and used cooking oil consumption in India: The potential for concurrent and cascading scourges – Correspondence	International Journal of Surgery	https://doi.org/10.1016/j.ijso.2022.106972	15.3
304.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	Monkeypox (Mpox) vaccines and their side effects: the other side of the coin	International Journal of Surgery	https://doi.org/10.1097/JS9.0000000000000142	15.3
305.	Dr. Kaviarasan L	School of Pharmacy	Assistant Professor	An update on Poly (ADP-ribose) polymerase I-A brief review.	Mini Reviews in Medicinal Chemistry	10.2174/1389557523 666230221145844	3.8
306.	Dr. S. Arunkumar	School of Pharmacy	Associate Professor	In Silico Studies, Design and Synthesis of Novel Fused Pyrimidine Derivatives as a DNA Gyrase Inhibitor and Antibacterial Activity Against Quinolone Resistant Escherichia Coli	Journal of Computational Biophysics and Chemistry	10.1142/S273741652 3500357	2.2
307.	Dr. S. Arunkumar	School of Pharmacy	Associate Professor	Structure-Activity Relationships of Pyrimidine Derivatives and their Biological Activity - A Review	Medicinal Chemistry	10.2174/1573406418 666220509100356	2.3
308.	Dr.M.Arun Sundar	School of Pharmacy	Assistant Professor	Madras eye outbreak in India: Why should we foster a better understanding of acute conjunctivitis?	Indian Journal of Ophthalmology	https://doi.org/10.4103/IJO.IJO_3317_22	3.1

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
309.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	Developing bespoke antimicrobials to combat antimicrobial resistance in low- and middle-income countries: A critical appraisal of clinical utility in the elderly	Vasso Apostolopoulos	https://doi.org/10.1016/j.maturitas.2022.11.007	4.9
310.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	Using modified Ashworth scale for assessing multiple sclerosis- associated spasticity: a high time for a paradigm shift	Therapeutic Advances in Neurological Disorders	https://doi.org/10.1177/17562864231154653	5.9
311.	Dr M ArunSundar	School of Pharmacy	Assistant Professor	SARS-CoV-2 infection complicated by neuro- or psycho- COVID	Neurologia i Neurochirurgia Polska	https://doi.org/10.5603/pjnns.a2023.0023	2.9
312.	G.Senthilkum ar	School of Mechanical	Associate Professor	Implementation of Micro- Nanobubbles Technology for the Treatment of Domestic wastewater: Experimental Study	Water, Air, & Soil Pollution	https://doi.org/10.1007/s11270-023-06071-8	2.9
313.	Dr. Ashwin Jacob	School of Mechanical	Assistant Professor	Formulation of optimal bioenergy mixtures from phototrophic and heterotrophic cultures of <i>S. quadricauda</i> and <i>C. pyrenoidosa</i> microalgal strains	Renewable Energy	https://doi.org/10.1016/j.renene.2022.08.007	8.7
314.	Dr. Ashwin Jacob	School of Mechanical	Assistant Professor	An overview on microalgae as renewable resources for meeting sustainable development goals	Journal of Environmental Management	https://doi.org/10.1016/j.jenvman.2022.115897	8.7

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
315.	Dr. Ashwin Jacob	School of Mechanical	Assistant Professor	Exploring the potential of third-generation microalgae bio-alcohol and biodiesel in arresting particulate smoke emissions and greenhouse gases using CART	Environmental Science and Pollution Research	https://doi.org/10.1007/s11356-022-24110-5	5.19
316.	Jeya Jeevahan	School of Mechanical	Assistant Professor	Extraction of biodiesel from vegetable waste hydrolysates and evaluation of its engine performance and emission characteristics	3Biotech (https://doi.org/10.1007/s13205-023-03611-1	2.8
317.	M.Sangeetha	School of Mechanical	Associate Professor	Experimental analysis of photovoltaic thermal system assisted with Nano fluids for efficient electrical performance and hydrogen production through electrolysis	International Journal of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2022.12.079	7.139
318.	M.Sangeetha	School of Mechanical	Associate Professor	Production of hydrogen as value added product from the photovoltaic thermal system operated with graphene nanoparticles: An experimental study	Fuel	https://doi.org/10.1016/j.fuel.2022.126792	8.035
319.	Dr.R.Siva	School of Mechanical	Associate professor	Study of Various Properties of Chemically Treated Lignocellulosic Cissus quadrangularis Stem Fiber for Composite Reinforcement	Journal of natural fibers	https://doi.org/10.1080/15440478.2022.2161689	3.507

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
320.	Dr.R.Siva	School of Mechanical	Associate professor	Comprehensive characterization of novel Robusta (AAA) banana bracts fibers reinforced polylactic acid based biocomposites for lightweight applications	Polymer Composites	DOI: 10.1002/pc.27025	5.2
321.	Dr.M.Anish	School of Mechanical	Assistant Professor	Analyzing the pressure and thermal efficiency of chemically synthesized nanofluids for computer cooling methods	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	https://doi.org/10.1177/09544089231161471	2.4
322.	Dr.M.Anish	School of Mechanical	Assistant professor	Impact of reactivity controlled compression ignition (RCCI) mode engine operation in diesel engine powered with B20 blend of waste cooking oil biodiesel	Scientific Reports	https://doi.org/10.1038/s41598-023-31044-6	4.6
323.	Dr.M.Anish	School of Mechanical	Assistant Professor	Utilization of nano materials in hydrogen production - Emerging technologies and its advancements: An overview	International Journal of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2023.05.223	7.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
324.	Dr.A.Anderson	School of Mechanical	Professor	Trade-off characteristic between soot and oxides of nitrogen emission with pre-injected diesel and biodiesel in a SICI-CIDI engine	Fuel	10.1016/j.fuel.2022.125624	7.4
325.	Dr.A.Anderson	School of Mechanical	Professor	Assessing the effects of ammonia (NH ₃) as the secondary fuel on the combustion and emission characteristics with nano-additives	Fuel	10.1016/j.fuel.2022.126831	7.4
326.	Dr.A.Anderson	School of Mechanical	Professor	Influence of CNT fillers on the thermal, mechanical and shape memory properties of TPI shape memory polymer composites	Digest Journal of Nanomaterials and Biostructures	10.15251/DJNB.2023.181.299	0.9
327.	Dr.A.Anderson	School of Mechanical	Professor	Synthesis, thermal adsorption and energy storage calibration of Polysulfone nanocomposite developed with GNP/CNT Nano fillers	Adsorption Science & Technology	10.1155/2023/7376542	2.9
328.	Dr.A.Anderson	School of Mechanical	Professor	Numerical analysis of spray characteristics with methane and nanoparticles under various injection velocities	Journal of Energy Resources Technology	10.1115/1.4062379	3
329.	Dr.J.Jayaprabakar	School of Mechanical	Associate Professor	Production of biodiesel from waste cooking oil utilizing zinc oxide nanoparticles combined with tungsto phosphoric acid as a catalyst and its performance on a CI engine	Fuel	https://doi.org/10.1016/j.fuel.2022.125411	7.4

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
330.	Dr.J.Jayaprabakar	School of Mechanical	Associate Professor	Zinc oxide nanoparticles to the synthesis of high-value added biofuels from waste cooking oil methyl ester blends	Fuel	https://doi.org/10.1016/j.fuel.2022.126170	7.4
331.	Dr.J.Jayaprabakar	School of Mechanical	Associate Professor	Performance analysis on a compression ignition engine fuelled with algae, rice bran methyl esters, and their diesel blends at optimized blend proportion, injection timing and load	Fuel	https://doi.org/10.1016/j.fuel.2023.128024	7.4
332.	Dr.A.Anderson	School of Mechanical	Professor	Phytochemical profiling, anti-hyperglycemic, antifungal, and radicals scavenging potential of crude extracts of <i>Athyrium asplenioides</i> - an in-vitro approach	Environmental Research	10.1016/j.envres.2023.116129	8.3
333.	Dr.J.Jayaprabakar	School of Mechanical	Associate Professor	Synthesis and characterization of calcium oxide nano particles obtained from biowaste and its combustion characteristics in a biodiesel operated compression ignition engine	FUEL	https://doi.org/10.1016/j.fuel.2023.128839	7.4
334.	Dr.J.Jayaprabakar	School of Mechanical	Associate Professor	Nano materials for green hydrogen production: Technical insights on nano material selection, properties, production routes and commercial applications	International Journal of Hydrogen Energy	https://doi.org/10.1016/j.ijhydene.2023.06.109	7.2

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
335.	Dr.J.Jayaprab akar	School of Mechanical	Associate Professor	Modelling and optimization of thermophilic anaerobic digestion using biowaste	Environmental Research	https://doi.org/10.1016/j.envres.2022.115075	8.3
336.	Dr. S. Ram Prakash	School of Mechanical	Assistant Professor	Investigations on the effect of dielectric medium and WEDM parameters on surface characteristics of Al 7068 (ordnance aluminium) alloy	Surface Topography: Metrology and Properties	10.1088/2051-672X/ac8f5f	2.7
337.	Dr.J.Jayaprab akar	School of Mechanical	Associate Professor	Influence of nanoparticles on emission and performance characteristics of biodiesel- diesel blends in a DI diesel engine	Australian Journal of Mechanical Engineering	https://doi.org/10.1080/14484846.2022.2098574	1.4
338.	Dr. S. Ram Prakash	School of Mechanical	Assistant Professor	Experimental Investigation on Improvement of Machinability of SS 304 Through Multipass Cutting in WEDM	Arabian Journal for Science and Engineering	doi.org/10.1007/s13369-022-07508-8	2.9
339.	Dr.A.Anderso n	School of Mechanical	Professor	Effects of Scenedesmus dimorphus, spirulina biodiesel, hydrogen and nanoparticles fuel blends on mass burn fraction, emission, noise and vibration characteristics	Fuel	10.1016/j.fuel.2023.129010	7.4
340.	Dr.A.Anderso n	School of Mechanical	Professor	Assessment of solar thermal monitoring of heat pump by using zeolite, silica gel, and alumina nanofluid	Clean Technologies and Environmental Policy	10.1007/s10098-023-02558-4	4.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
341.	Manigandan Sekar	School of Mechanical	Assistant Professor	Perspective on the strategies and challenges in hydrogen production from food and food processing wastes	Fuel	10.1016/j.fuel.2022.127376	7.4
342.	Manigandan Sekar	School of Mechanical	Assistant professor	Utilisation of persistent chemical pollutant incorporating with nanoparticles to modify the properties of geopolymer and cement concrete	Environmental Research	10.1016/j.envres.2022.114965	8.3
343.	Manigandan Sekar	School of Mechanical	Assistant professor	Spirulina microalgae blend with biohydrogen and nanocatalyst TiO ₂ and Ce ₂ O ₃ as step towards emission reduction: Promoter or inhibitor	Fuel	10.1016/j.fuel.2022.126791	7.7
344.	Manigandan Sekar	School of Mechanical	Assistant professor	Assessments of the power production, energy consumption and emission comparison of hydrogen feed vehicles	Fuel	10.1016/j.fuel.2022.126794	7.7
345.	Manigandan Sekar	School of Mechanical	Assistant professor	Utilization of enriched hydrogen blends in the diesel engine with MgO nanoparticles for effective engine performance and emission control	Fuel	10.1016/j.fuel.2022.126552	7.7
346.	Manigandan Sekar	School of Mechanical	Assistant professor	Role of chicken fat waste and hydrogen energy ratio as the potential alternate fuel with nano- additives: Insights into resources and atmospheric remediation process	Environmental Research	10.1016/j.envres.2022.114742	8.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
347.	Manigandan Sekar	School of Mechanical	Assistant professor	Hydrogen and ammonia as a primary fuel – A critical review of production technologies, diesel engine applications, and challenges	FUEL	10.1016/j.fuel.2023.1 29100	7.7
348.	Manigandan Sekar	School of Mechanical	Assistant professor	Jatropha's Rapid Developments and Future Opportunities as a Renewable Source of Biofuel—A Review	Energies	10.3390/en16020828	3.2
349.	Dr. L. Jino	School of Mechanical	Assistant Professor	Nitrate transport in a fracture-skin-matrix system under non- isothermal conditions	Environmental Science and Pollution Research	https://doi.org/10.1007/s11356-022-23428-4	5.8
350.	Dr. L. Jino	School of Mechanical	Assistant Professor	Heat and mass transfer effects on fluid past an exponentially accelerated vertical plate due to time-fractional MHD-free convection	Heat Transfer	https://doi.org/10.1002/hlj.22914	3.6
351.	Dr. L. Jino	School of Mechanical	Assistant Professor	Numerical study of heat transfer between hot moving material and ambient medium using various hybrid nanofluids under MHD radiative-convection, viscous dissipation effects, and time- fractional condition	Numerical Heat Transfer, Part B: Fundamental S	https://doi.org/10.1080/10407790.2023.2175745	1

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
352.	Anish M	School of Mechanical	Assistant Professor	An evaluation of biosynthesized nanoparticles in biodiesel as an enhancement of a VCR diesel engine	Fuel	https://doi.org/10.1016/j.fuel.2022.125299	7.4
353.	Anish M	School of Mechanical	Assistant Professor	An absorber of parabolic trough collector for hydrogen production in a solid oxide fuel cell	fuel	https://doi.org/10.1016/j.fuel.2023.127982	7.2
354.	Anish m	School of Mechanical	Assistant Professor	Agricultural waste biomass for sustainable bioenergy production: Feedstock, characterization and pre-treatment methodologies	Chemosphere	https://doi.org/10.1016/j.chemosphere.2023.138680	8.8
355.	Dr.A.Anderson	School of Mechanical	Professor	Performance and emission characteristics of safflower oil biodiesel blended with nanoparticles and hydrogen on diesel engines of road and bridge machinery	Fuel	10.1016/j.fuel.2023.128946	7.2
356.	Dr.A.Anderson	School of Mechanical	Professor	Optimizing engine performance and reducing emissions of greenhouse gases through spirulina microalgae and nano-additive blends	Environmental Research	10.1016/j.envres.2023.115958	8.3
357.	Dr.A.Anderson	School of Mechanical	Professor	Utilization of the Nannochloropsis microalgae biochar prepared via microwave assisted pyrolysis on the mixed biomass fuel pellets	Environmental Research	10.1016/j.envres.2023.116078	8.3

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
358.	Dr.A.Anderson	School of Mechanical	Professor	Annealed titanium dioxide nanomaterials for rapid hydrogen production and Rhodamine-B degradation	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.04.129	7.2
359.	Dr.P.Booma Devi	School of Mechanical	Associate Professor	Dunaliella salina fuel blends as the secondary fuel for the microgas turbine engines: A combustion and emission study	Fuel	https://doi.org/10.1016/j.fuel.2023.127981	8.3
360.	Dr.P.Booma Devi	School of Mechanical	Associate Professor	Comparative Study and Aerodynamic Analysis of Rectangular Wing Using High-Lift Systems	international journal of aerospace engineering	https://doi.org/10.1155/5/2023/5813557	1.4
361.	Dr.P.Booma Devi	School of Mechanical	Associate Professor	Recovering biogas and nutrients via novel anaerobic co-digestion of pre-treated water hyacinth for the enhanced biogas production	Environmental Research	https://doi.org/10.1016/j.envres.2023.116216	8.431
362.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant professor	Processing and evaluation of nano SiC reinforced aluminium composite synthesized through ultrasonically assisted stir casting process	Journal of Materials Research and Technology	https://doi.org/10.1016/j.jmrt.2023.05.030	6.4
363.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant professor	Effect of Spark Plasma Sintering Temperature on Phase Evaluation and Mechanical Behaviour of cu- 4 Wt% SiC Composite	Silicon	https://doi.org/10.1007/s12633-023-02530-3	3.4

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
364.	Lokeswar Patnaik	School of Mechanical	Assistant Professor	Hydroxyapatite/si-doped tin interlayer coatings as potential candidates for surface modification of medical-grade 316 lvm stainless steel for bio implant applications	Surface Review and Letters	https://doi.org/10.1142/S0218625X23400048	1.1
365.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Fuzzy CODAS based analysis of wear and temperature induced responses of Si doped AC film and CFRPEEK tribopair	Silicon	https://doi.org/10.1007/s12633-022-02213-5	3.4
366.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Carbon-fibre-reinforced-PEEK and silicon doped amorphous carbon as a potential tribopair for implant application	Advances in Materials and Processing Technologies	https://doi.org/10.1080/2374068X.2023.2184337	2.2
367.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Box–Behnken based investigation of surface quality and tool wear rate and FEM analysis of tool wear in TiAlN/CrN coated carbide tool	International Journal on Interactive Design and Manufacturing	https://doi.org/10.1007/s12008-022-01146-y	2.1
368.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Application of Integrated BWM Fuzzy-MARCOS Approach for Coating Material Selection in Tooling Industries	Materials	https://doi.org/10.3390/ma15249002	3.4
369.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Effect and optimization of tribological parameters upon wear responses of TiAlN coating	Emerging Materials Research	https://doi.org/10.1680/jemmr.22.00015	2.2

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370.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Effect of Mean Stress on Ratcheting of Austenitic Stainless Steel (AISI 304) at Room Temperature	Physics of Metals and Metallography	https://doi.org/10.1134/S0031918X21100550	1.2
371.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Vibration Analysis of Cracked Cantilever Beam Using Response Surface Methodology	Journal of Vibration Engineering & Technologie	https://doi.org/10.1007/s42417-022-00713-7	2.7
372.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Effect of SiC and TiC Reinforcements on the Mechanical Properties of ZrB ₂ - SiC-TiC Hybrid Composite Fabricated Through Spark Plasma Sintering	Silicon	https://doi.org/10.1007/s12633-022-02263-9	3.4
373.	Dr. Lokeswar Patnaik	School of Mechanical	Assistant Professor	Wear Parameter Optimization of Ceramic Coating Using the Fuzzy Integrated PSI-CODAS Decision- Making Framework	Arabian Journal for Science and Engineering	https://doi.org/10.1007/s13369-022-07212-7	2.9
374.	Dr.A.Karthik eyan	School of Mechanical	Professor	Comparative energy storage study on solar pond with PCM coupled with different Nano particles	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	https://doi.org/10.1177/09544062221114789	2

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
375.	Dr.A.Karthik eyan	School of Mechanical	Professor	Effect of manifold injection of 1- hexanol on a reactivity controlled compression ignition engine fuelled with neem oil methyl ester blend	Environmental Progress and Sustainable Energy	https://doi.org/10.1002/ep.13989	2.8
376.	Dr.A.Karthik eyan	School of Mechanical	Professor	Experimental study of the operating parameters on the performance of a single-stage Stirling cryocooler cooling infrared sensor for space application	Aircraft Engineering and Aerospace Technology	https://doi.org/10.1108/AEAT-02-2023-0051	1.5
377.	Dr. Dillip Kumar Sahoo	School of Mechanical	Associate professor	A Comparative Study On The Single And Double-Layered Deposition Of Aluminum 6063 Over En8 Medium Carbon Steel Using Friction Surfacing	Surface Review And Letters	DOI: 10.1142/S0218625X22501323	1.1
378.	Dr. Dillip Kumar Sahoo	School of Mechanical	Associate Professor	Numerical investigation on cooling rate in proton exchange membrane fuel cell using propylene glycol fluid	Thermal Science	https://doi.org/10.2298/TSCI220429040S	1.7
379.	Dr.A.Jayagan than	School of Mechanical	Assistant Professor	Methylene Blue Dye Photodegradation during Synthesis and Characterization of WO3 Nanoparticles.	Adsorption Science & Technology	https://doi.org/10.1155/2022/2882048	2.9
380.	Jayaprakash Venugopal	School of Mechanical	Assistant Professor	Effect on Compression Molding Parameters in Mechanical Properties of MWCNT/Glass Fibre/Epoxy Composites	Advances in Polymer Technology	https://doi.org/10.1155/2022/9295407	3.1

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
381.	Jayaprakash Venugopal	School of Mechanical	Assistant Professor	Analysis and performance enhancement of newly designed solar based heat pump for water heating application.	Energy Reports	https://doi.org/10.1016/j.egy.2022.06.112	5.2
382.	Jayaprakash Venugopal	School of Mechanical	Assistant Professor	Synthesis and characterization of paraffin wax with carbon nanotubes and magnesium oxide.	Energy Reports	https://doi.org/10.1016/j.egy.2022.06.108	5.2
383.	Jayaprakash Venugopal	School of Mechanical	Assistant Professor	A mini review on recent advancements in Inclined Solar Still a review.	Energy Reports	https://doi.org/10.1016/j.egy.2022.09.174	5.2
384.	Dr. S. P. Venkatesan	School of Mechanical	Associate Professor	Environment impact assessment of agricultural diesel engines utilizing biodiesel derived from phoenix sylvestris oil	Environmental Research	https://doi.org/10.1016/j.envres.2023.115432	8.431
385.	S.Venkatesh	School of Mechanical	Assistant Professor	Performance of Multilayered Nanocoated Cutting Tools in High- Speed Machining: A Review	International Journal of Photoenergy	https://doi.org/10.1155/2022/5996061	3.2
386.	Dr.B.kanimozhi	School of Mechanical	Professor	Formation damage and improved recovery in kaolinitic high enthalpy gas fields with fabric geological settings	Gas Science and Engineering	https://doi.org/10.1016/j.jgsce.2023.204993	5.285
387.	Dr.Nivin Joy	School of Mechanical	Associate Professor	The effects of nanoparticles as a biodiesel ingredient on the performance of a VCR diesel engine	Transactions of the Canadian Society for Mechanical Engineering	https://doi.org/10.1139/tcsme-2022-0077	0.9

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
388.	Dr S.Ganesan	School of Mechanical	Professor	An overview on the influence of equal channel angular pressing parameters and its effect on materials: methods and applications	Advances in Materials and Processing Technologies	doi.org/10.1080/2374068X.2023.2204021	2.2
389.	Dr S.Ganesan	School of Mechanical	Professor	Detailed studies on employing fish canning waste as a partial alternative in a research diesel engine: Waste to energy initiation	Environmental progress & sustainable energy	doi.org/10.1002/ep.14130	2.82
390.	Dr S.Ganesan	School of Mechanical	Professor	Critical operating parameters of solar flat plate collectors using CuO nanoparticles of different volume fractions subjected to natural convection	Environmental progress & sustainable energy	https://doi.org/10.1002/ep.141	2.82
391.	Dr.S. Ganesan	School of Mechanical	Professor	Biofuel from leather waste fat to lower diesel engine emissions: Valuable solution for lowering fossil fuel usage and perception on waste management	Process Safety and Environmental Protection	Biofuel from leather waste fat to lower diesel engine emissions: Valuable solution for lowering fossil fuel usage and perception on waste management	7.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
392.	Dr.S. Ganesan	School of Mechanical	professor	Processing and utilization of an eco-friendly oil as heat transfer fluid derived from camelina seeds	Biomass Conversion and Biorefnery	doi.org/10.1007/s13399-022-03368-2	4.05
393.	Dr.S. Ganesan	School of Mechanical	Professor	Inedible oil feedstocks for biodiesel production: A review of production technologies and physicochemical properties	Sustainable Chemistry and Pharmacy	https://doi.org/10.1016/j.scp.2022.100840	5.464
394.	Dr.V.K.Bupesth Raja	School of Mechanical	PROFESSOR & HEAD	Influence of Laser Treatment Medium on the Surface Topography Characteristics of Laser Surface-Modified Resorbable Mg3Zn Alloy and Mg3Zn1HA Nanocomposite	METALS	https://doi.org/10.3390/met13050850	2.9
395.	Dr.V.K.Bupesth Raja	School of Mechanical	PROFESSOR & HEAD	Up-Sampled Cross-Correlation Based Object Tracking & Vibration Measurement in Agriculture Tractor System	Intelligent Automation & Soft Computing	https://doi.org/10.32604/iasc.2023.031932	2
396.	Dr.V.K.Bupesth Raja	School of Mechanical	PROFESSOR	Measurement of Hand-Arm Vibration Syndrome of an Agricultural Tractor Steering Wheel using Machine Vision System	Periodico Di Mineralogia	https://doi.org/10.37896/pd91.4/91459	0.7

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
397.	Dr.V.K.Bu sh Raja	School of Mechanical	Professor	Multi-point Vibration Measurement in an Agriculture Tractor Mudguard using Finite Difference and Up- sampled Cross-Correlation Algorithm	Periodico Di Mineralogia	https://doi.org/10.37896/pd91.4/91484	0.7
398.	Dr.V.K.Bu sh Raja	School of Mechanical	Professor	Microstructural Features and Mechanical Behaviour of Laser Welded Magnesium Alloy Sheet	Indian Journal of Engineering & Materials Sciences	https://doi.org/10.56042/ijems.v29i6.70246	0.9
399.	A. Jayaganthan	School of Mechanical	Assistant Professor	Futuristic Carbon Based Adsorbents and their Versatile Applications	Adsorption Science Technology	https://doi.org/10.1155/2022/2882048	2.9
400.	Dr.Suja Cherukul apurath Mana	School of Computing	Assistant Professor	Automated Fish Detection and Tracking System Using Pre- Trained Mask R-CNN for Ecological Biodiversity	International Journal of Uncertainty, Fuzziness and Knowledge- Based Systems	https://doi.org/10.1142/S0218488523400019	1.5
401.	Dr. R Aroul Canessane	School of Computing	Professor	Generative adversarial networks with modified wasp swarm algorithm-based early-stage breast cancer detection techniques	Soft Computing	https://doi.org/10.1007/s00500-023-08332-4	4.1
402.	Dr.R.Subhashi ni	School of Computing	Professor And Head	Evolutionary gravitational Neocognitron neural network based differential spatial modulation detection scheme for uplink multiple user huge MIMO systems	Knowledge based System	https://doi.org/10.1016/j.knosys.2022.109993	8.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
403.	DR. AROUL CANESSANE	School of Computing	Professor	Deep learning-based aerial image classification model using inception with residual network and multilayer perceptron	Microprocessors and Microsystems	https://doi.org/10.1016/j.micpro.2022.104652	2.6
404.	Dr.S.Revathy	School of Computing	Professor	A hybrid approach of Poisson distribution LDA with deep Siamese Bi-LSTM and GRU model for semantic similarity prediction for text data	Multimedia Tools and Applications	https://doi.org/10.1007/s11042-023-15050-4	3.6
405.	Dr.S.Revathy	School of Computing	Professor	A Novel Approach for Cyber Threat Detection Based on Angle- Based Subspace Anomaly Detection	Cybernetics and Systems	https://doi.org/10.1080/01969722.2022.2148509	1.7
406.	Dr. G. Sabeena Gnana selvi	School of Computing	Assistant professor	An artificial intelligence approach for energy-aware intrusion detection and secure routing in internet of things-enabled wireless sensor networks	Concurrency and Computation: Practice and Experience	http://doi.org/10.1002/cpe.7818	2
407.	Dr.A.Sivasang ari	School of Computing	Professor	Performance Analysis of Metamaterial Patch Antenna Characteristics for Advanced High-Speed Wireless System	Journal of Electronic Materials	https://doi.org/10.1007/s11664-023-10420-y	2.1
408.	Dr.A.Sivasang ari	School of Computing	Professor	High Performance Photonic Nanostructured Sensors for Smart Industries: Design and Analysis	Brazilian Journal of Physics	https://doi.org/10.1007/s13538-022-01184-7	1.6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
409.	Dr.D.Usha Nandini	School of Computing	Associate Professor	Energy Constrained Target Localisation Scheme for Wireless Sensor Networks using RBF Neural Network	International Journal of Distributed Sensor Networks	https://doi.org/10.1155/2023/1426430	2.3
410.	Dr.S.Raja shree	School of Computing	Assistant Professor	Autonomous development of theoretical framework for intelligence automation system using decision tree algorithm	Computers and Electrical Engineering- Elsevier	https://doi.org/10.1016/j.compeleceng.2022.108131	4.3
411.	Dr. T. Prem Jacob	School of Computing	Professor	A secure IoT based healthcare framework using modified RSA algorithm using an artificial hummingbird based CNN	Transaction On Emerging Telecommuni Cations Technologie	https://doi.org/10.1002/ett.4622	3.6
412.	Dr.K.Ashokku mar	School of Computing	Professor	Optimized Deep Neural Network Based Intelligent Decision Support System for Traffic State Prediction	International Journal of Intelligent Transportation Systems Research	https://doi.org/10.1007/s13177-022-00332-2	2.1
413.	Dr.A.Deepa	School of Computing	Associate Professor	Discerning Facial Age from Digital Image Through Componential Texture Manifold Algorithm	Animals of Forest Research	https://www.e-afr.org/article/view/11250.html	1.8

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
414.	Dr. T. Prem Jacob	School of Computing	Professor	The Top Ten Artificial Intelligence-Deep Neural Networks for IoT Intrusion Detection System	Wireless Personal Communication	https://doi.org/10.1007/s11277-023-10198-6	2.2
415.	Dr.M.Maheswari	School of Computing	Associate Professor	AI-based wavelet and stacked deep learning architecture for detecting coronavirus (COVID-19) from chest X-ray images	Computers and Electrical Engineering- ELSEVIER	https://www.sciencedirect.com/science/article/pii/S0045790623001350	4.3
416.	Dr. Kalaiarasi	School of Computing	Associate Professor	Near duplicate detection of images with area and proposed pixel-based feature extraction	Concurrency And Computation- Practice & Experience	https://doi.org/10.1002/cpe.7477	2
417.	Mr.R.Vignesh	School of Computing	Assistant Professor	Blockchain-based security enhancement mechanism for employee performance assessment system	Concurrency& Computation:Prac tice Experience	https://doi.org/10.1002/cpe.7318	2
418.	Dr.M.Selvi	School of Computing	Associate Professor	An automatic detection and classification of diabetes mellitus using CNN	Soft Computing	https://doi.org/10.1007/s00500-023-08122-7	4.1
419.	Ms.D.Deepa	School of Computing	Assistant Professor	An effective detection and classification of road damages using hybrid deep learning framework	Multimedia Tools and Applications	https://doi.org/10.1007/s11042-022-14001-9	3.6

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
420.	Mr.R.Vignesh	School of Computing	Assistant Professor	Blockchain assisted AHMFA authentication in employee performance assessment system	Multimedia Tools and Applications	https://doi.org/10.1007/s11042-023-15846-4	3.6
421.	Ms.D.Deepa	School of Computing	Assistant Professor	ESSR-GAN: Enhanced super and semi supervised remora resolution based generative adversarial learning framework model for smartphone based road damage detection	Multimedia Tools and Applications	https://doi.org/10.1007/s11042-023-15850-8	3.6
422.	Dr. T.Sasikala	School of Computing	Professor and Dean	Wrapper based linear Discriminant Analysis (LDA)for intrusion Detection in IIoT	Computer Systems Science and Engineering	https://doi.org/10.32604/csse.2023.025669	2.7
423.	Dr. P. Asha	School of Computing	Professor	Role of machine learning in attaining environmental sustainability	Energy Reports	https://doi.org/10.1016/j.egy.2022.09.206	5.2
424.	Dr. P. Asha	School of Computing	Professor	Identifying Cancer Disease Using Softmax-Feed Forward Recurrent Neural Classification	Intelligent Automation & Soft Computing	https://doi.org/10.32604/iasc.2023.031470	2
425.	Dr. Nancy Noella R S	School of Computing	Assistant Professor	Diagnosis of Alzheimer's, Parkinson's disease and frontotemporal dementia using a generative adversarial deep convolutional neural network	Neural Computing and Applications	https://doi.org/10.1007/s00521-022-07750-z	6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
426.	Dr. P. Asha	School of Computing	Professor	Cancer prognosis with machine learning- based modified meta- heuristics and weighted gradient boosting algorithm	Computer Methods in Biomechanics and biomedical Engineering : Imaging & Visualization	https://doi.org/10.1080/21681163.2023.2219772	1.6
427.	Dr.S.Prince Mary	School of Computing	Professor	Hybrid DC-AC microgrid energy management system using grey wolf optimized neural network	Journal of Intelligent and Fuzzy Systems	10.3233/jifs-222112	2
428.	Dr.S.Prince Mary	School of Computing	Professor	Multi-Channel Assessment Policies for Energy-Efficient Data Transmission in Wireless Underground Sensor Networks	Energies	https://doi.org/10.3390/en16052285	3.2
429.	Gayathri S	School of Computing	Assistant professor	Securing medical image privacy in cloud using deep learning network	Journal of Cloud Computing	https://journalofcloudcomputing.springeropen.com/articles/10.1186/s13677-023-00422-w	4
430.	Dr. R. Aroul Canes sane	School of Computing	Professor	Cross Layer based Energy Aware and Packet Scheduling Algorithm for Wireless Multimedia Sensor Network	Internationa L Journal Of Computers Communicati Ons & Control	https://doi.org/10.15837/ijccc.2023.2.4666	2.7

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
431.	Dr.K.Sundara Velrani	School of Computing	Assistant Professor	HO-DQLN: Hybrid optimization- based deep Q-learning network for optimizing QoS requirements in service oriented model	Expert Systems with Applications 227 (2023) 120188	https://doi.org/10.1016/j.eswa.2023.120188	8.665
432.	Dr P.Ajitha	School of Computing	Professor	Investigation of the antenna characteristics with the impact of hexagonal metamaterial	International Journal of Communication Systems	https://doi.org/10.1002/dac.5454	2.1
433.	Dr.M.P.Vaish nave	School of Computing	Assistant Professor	Lung cancer disease prediction with CT scan and histopathological images feature analysis using deep learning techniques	Results in Engineering	https://doi.org/10.1016/j.rineng.2023.101111	5
434.	Dr.M.S.Roobi ni	School of Computing	Assistant Professor	Type 2 diabetes mellitus classification using predictive supervised learning model	Soft Computing	https://doi.org/10.1007/s00500-023-08726-4	4.1
435.	Dr Murugan S	School of Computing	Professor	Classification Of Gender Based Focus Mapping For Epilepsy Patients Using Rough Sets	Malaysian Journal of Computer Science	https://doi.org/10.22452/mjcs.vol36no1.3	0.6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
436.	Dr Jabez J	School of Computing	Professor	Auto-Metric Graph Neural Network optimized with Capuchin search optimization algorithm for coinciding diabetic retinopathy and diabetic Macular edema grading	Biomedical Signal Processing And Control	https://doi.org/10.1016/j.bspc.2022.104386	5.1
437.	Dr. A. Mary Posonia	School of Computing	Professor	An Enhanced Anomaly Forecasting in Distributed Wireless Sensor Network Using Fuzzy Model	International Journal Of Fuzzy Systems	https://doi.org/10.1007/s40815-022-01349-1	4.3
438.	Dr.L.Mary Gladence	School of Computing	Professor	SVM based disease classification model employing Hasten eagle Cuculidae search optimization	Concurrency And Computation Practice And Experience.	https://doi.org/10.1002/cpe.7259	1.831
439.	Dr.R.Jeberson Retna Raj	School of Computing	Professor	Investigation of Android Malware with Machine Learning Classifiers using Enhanced PCA Algorithm	Computer Systems Science And Engineering	https://doi.org/10.32604/csse.2023.028227	2.2
440.	Dr.G.Nagarajan	School of Computing	Professor	Optimization of BPN parameters using PSO for intrusion detection in cloud environment	Soft Computing	https://doi.org/10.1007/s00500-023-08737-1	4.1
441.	Dr V.R.Niveditha	School of Computing	Assistant professor	cluster based protocol for prioritized message communication inVANET	IEEE ACCESS	https://ieeexplore.ieee.org/document/10154256	3.9

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
442.	Dr V.R.Niveditha	School of Computing	Assistant professor	Synthesis And Application Of Nanocomposites For Adsorption Heat Transformation And Storage	Adsorption Science and Technology	https://doi.org/10.1155/2023/8674382	2.9
443.	Dr V.R.Niveditha	School of Computing	Assistant professor	covid 19 detection and tracking using smart application with AI	International Journal of Nanotechnology	https://doi.org/10.1504/IJNT.2023.131124	0.5
444.	Dr.R.Jeberson Retna Raj	School of Computing	Professor	CNN-OLSTM: Convolutional Neural Network with Optimized Long Short-Term Memory Model for Twitter based Sentiment Analysis	Iete Journal Of Research	https://doi.org/10.1080/03772063.2023.2178977	1.5
445.	Dr.R.Jeberson Retna Raj	School of Computing	Professor	A Comprehensive Study of Different Types of Deduplication Technique in Various Dimensions	International Journal Of Advanced Computer Science And Applications	DOI: 10.14569/IJACSA.202.0130339	0.9
446.	Dr.R.Jeberson Retna Raj	School of Computing	Professor	A Bi-Directional GRU Architecture for the Self-Attention Mechanism: An Adaptable, Multi-Layered Approach with Blend of Word Embedding	International Journal Of Engineering And Technology Innovation,	https://doi.org/10.46604/ijeti.2023.11510	1

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
447.	Dr.R.Jeberso n Retna Raj	School of Computing	Professor	Novel cluster set optimization model with unique identifier tagging for twitter data analysis	Journal Of Intelligent & Fuzzy Systems	<a href="https://content.iospre
ss.com/articles/journa
l-of-intelligent-and-
fuzzy-
systems/ifs220033">https://content.iospre ss.com/articles/journa l-of-intelligent-and- fuzzy- systems/ifs220033 , DOI: 10.3233/JIFS- 220033	2
448.	Dr S Vigneshwari	School of Computing	Professor & Head	Rice Plant Leaf Disease Detection and Classification Using Optimization Enabled Deep Learning	Journal Of Environmental Informatics	doi:10.3808/jei.2023 0 0492	7
449.	Ms.C.A.Da phine Desona Clemency	School of Computing	Assistant Professor	Internet of Things (IoT) Enabled Cloud Computing Drone for Smart Agriculture: Superior Growth and Life	Journal Of Population Therapeutics And Clinical Pharmacology	https://doi.org/10.477 50/jptcp.2023.30.12.0 30	2
450.	Dr.R.Jeberso n Retna Raj	School of Computing	Professor	Investigation of Android Malware Using Deep Learning Approach	Intelligent Automation & Soft Computing	https://doi.org/10.326 04/iasc.2023.030527	2
451.	Dr S Vigneshwari	School of Computing	Professor and Head	Lung cell cancer identification mechanism using deep learning approach	Soft Computing	https://doi.org/10.100 7/s00500-023-08661- 4	4.1
452.	S Vigneshwari	School of Computing	Professor and Head	Application of empirical Bayes adaptive estimation technique for estimating winds from MST radar covering higher altitudes	Signal, Image And Video Processing	10.1007/s11760-023- 02549-4	2.3

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
453.	Dr S Vigneshwari	School of Computing	Professor & Head	A novel Moore-Penrose pseudo- inverse weight-based Deep Convolution Neural Network for bacterial leaf blight disease detection system in rice plant	Advances In Engineering Software	https://doi.org/10.1016/j.advengsoft.2022.103336	4.8
454.	S Vigneshwari	School of Computing	Professor and Head	Rider Water Wave-enabled deep learning for disease detection in rice plant	Advances In Engineering Software	https://doi.org/10.1016/j.advengsoft.2023.103472	4.8
455.	Dr S Vigneshwari	School of Computing	Professor and Head	Shuffled shepherd social optimization based deep learning for rice leaf disease classification and severity percentage prediction	Concurrency And Computation- Practice & Experience	https://doi.org/10.1002/cpe.7523	2
456.	NIRMALRA NI V	School of Computing	Associate Professor	Cloud Computing Based Deduplication Using High- Performance Grade Byte Check and Fuzzy Search Technique	Journal Of Intelligent & Fuzzy Systems	10.3233/JIFS-220206	2.1
457.	J Cruz Antony	School of Computing	Assistant Professor	Optimize and analysis of drilling PMSM using hybrid technique based on BN, FFT, FCE, and FMA for risk assessment	Journal Of Intelligent & Fuzzy Systems	10.3233/JIFS-224462	2
458.	Dr S Prayla Shyry	School of Computing	Professor	A Novel Framework for Securing ECDH Encrypted DICOM Pixel Data Stored Over Cloud Using IPFS	Internationa L Journal Of Uncertainty Fuzziness And Knowledge- Based Systems	https://doi.org/10.1142/S0218488523400081	1.5

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
459.	Dr S Prayla Shyry	School of Computing	Professor	Side Channel Attack Free Quantum Key Distribution Using Entangled Fuzzy Logic	Brazilian Journal Of Physics	https://doi.org/10.1007/s13538-022-01246-w	1.6
460.	S.R.SRIVID HYA	School of Computing	Assistant professor	BVFLEMR: an integrated federated learning and block chain technology for cloud-based medical records recommendation system	Journal Of Cloud Computing	10.1186/s13677-022-00294-6	4
461.	Dr S Prayla Shyry	School of Computing	Professor	A novel hybrid encryption method using S-box and Henon maps for multidimensional 3D medical images	Soft Computing	https://doi.org/10.1007/s00500-023-08006-1	4.1
462.	S.R.SRIVID HYA	School of Computing	Assistant professor	Performance Evaluation of Stateful Firewall-Enabled SDN with Flow- Based Scheduling for Distributed Controllers	Mdpi Electronics	https://doi.org/10.3390/electronics11193000	2.9
463.	Dr S Prayla Shyry	School of Computing	Professor	A hybrid multimedia image encryption technique using singular value decomposition- linear sparsity regularization (SVD-LSR)	Soft Computing	https://doi.org/10.1007/s00500-023-07937-z	4.1
464.	S.R.SRIVID HYA	School of Computing	Assistant Professor	A Trust-Based Secure Neuro Fuzzy Clustering Technique for Mobile Ad Hoc Networks	Mdpi Electronics	https://doi.org/10.3390/electronics12020274	2.9

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
465.	Dr S Prayla Shyry	School of Computing	Professor	Optimal Routing with Spatial- Temporal Dependencies for Traffic Flow Control in Intelligent Transportation Systems	Intelligent Automation And Soft Computing	http://dx.doi.org/10.32604/iasc.2023.034716	2
466.	S.R.Srividhya	School of Computing	Assistant Professor	A Modified LBP Operator-Based Optimized Fuzzy Art Map Medical Image Retrieval System for Disease Diagnosis and Prediction	Mdpi BIOMEDICINE S	https://doi.org/10.3390/biomedicines10102438	4.7
467.	Dr S Prayla Shyry	School of Computing	Professor	Secured: quantum key distribution (SQKD) for solving side-channel attack to enhance security, based on shifting and binary conversion for securing data (SBSD) frameworks	Soft Computing	https://doi.org/10.1007/s00500-022-07479-w	4.1
468.	S.R.SRIVID HYA	School of Computing	ASSISTA NT PROFESS OR	Detection of Hello Flood Attacks Using Fuzzy-Based Energy- Efficient Clustering Algorithm for Wireless Sensor Networks	Mdpi - Electronics	https://doi.org/10.3390/electronics12010123	2.9
469.	Dr S Prayla Shyry	School of Computing	Professor	Enhancing the cloud security using side channel attack free QKD with entangled fuzzy logic	Journal Of Intelligent & Fuzzy Systems	https://doi.org/10.3233/JIFS-220398	2

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470.	Dr.G.Nagarajan	School of Computing	Professor	Workflow scheduling for intelligent modern medical system with privacy protection constraints for IaaS cloud using modified grasshopper algorithm	Soft Computing	10.1007/s00500-023-08736-2	4.1
471.	Dr.G.Nagarajan	School of Computing	Professor	DeepAID: a design of smart animal intrusion detection and classification using deep hybrid neural networks	Soft Computing	10.1007/s00500-023-08270-1	4.1
472.	Dr.G.Nagarajan	School of Computing	Professor	Early-stage esophageal cancer detection using hybrid quantum CNN	Soft Computing	10.1007/s00500-023-08333-3	4.1
473.	Dr. B. Sathiyaprasad	School of Computing	Assistant Professor	Unsupervised learning-based recognition and extraction for intelligent automatic video retrieval	The Photogrammetric Record	https://doi.org/10.1111/phor.12427	2.4
474.	Dr.G.Nagarajan	School of Computing	Professor	Air quality prediction for sustainable development using LSTM with weighted distance grey wolf optimizer	Soft Computing	10.1007/s00500-023-07997-1	4.1
475.	Dr.G.Nagarajan	School of Computing	Professor	An optimal cluster based security and resilience of smart home environments using hybrid soft computing techniques	Computational Intelligence	10.1111/coin.12560	2.8
476.	Dr.G.Nagarajan	School of Computing	Professor	An edge based attack detection model (EBAD) for increasing the trustworthiness in IoT enabled smart city environment	IEEE Access	10.1109/ACCESS.2022.3200703	3.9

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	I.F
477.	Dr.L.Lakshmanan	School of Computing	Professor and Head	Security and scalability issues in big data analytics in heterogeneous networks	Soft Computing	https://doi.org/10.1007/s00500-023-07968-6	4.1
478.	Dr.L.Lakshmanan	School of Computing	Professor and Head	A novel method for optimizing energy consumption in wireless sensor network using genetic algorithm	Microprocessors And Microsystems	https://doi.org/10.1016/j.micpro.2022.104749	2.6
479.	Dr.Sreeji.S	School of Computing	Assistant Professor	LWDS: lightweight DeepSeagrass technique for classifying seagrass from underwater images	Environmental Monitoring And Assessment	https://doi.org/10.1007/s10661-023-11183-z	3.3
480.	Dr.L.Lakshmanan	School of Computing	Professor and Head	Intelligent data deduplication with Deep Transfer Learning Enabled Classification Model for Cloud- based Healthcare System	Expert Systems With Applications	https://doi.org/10.1016/j.eswa.2022.119257	8.66
481.	Subathra.G	School of Computing	Assistant Professor	A Framework of Faster CRNN and VGG16-Enhanced Region Proposal Network for Detection and Grade Classification of Knee RA	Medical Image Processing And Analysis	https://doi.org/10.3390/diagnostics13081385	3.6
482.	Dr S Gowri	School of Computing	Professor	Student Psychology based optimized routing algorithm for big data clustering in IoT with Map Reduce framework	Journal Of Intelligent And Fuzzy Systems	DOI: 10.3233/JIFS-221391	2

S.N O	Name of the Faculty	Department	Designation	Title of the Paper	Name of the Journal	DOI	IF
483.	Dr S Gowri	School of Computing	Professor	A Descriptive Framework for Information Retrieval Using Crawler Based Clustering and Effective Search Algorithm	International Journal Of IT & Decision Making	https://doi.org/10.1142/S0219622022500535	4.9
484.	Dr P Ajitha	School of Computing	Professor	An Intelligent System Using Deep Learning-Based Link Quality Prediction and Optimization Enabled Secure Communication in UAV Network	Cybernetics And Systems	https://doi.org/10.1080/01969722.2022.2151189	1.7
485.	Dr. Khadijah Mohideen	School of Dental	Reader	Assessment of Oxidative Stress by the Estimation of Lipid Peroxidation Marker Malondialdehyde (MDA) in Patients with Chronic Periodontitis: A Systematic Review and Meta-Analysis	International Journal Of Dentistry	https://doi.org/10.1155/2023/6014706	2.1
486.	Dr. Khadijah Mohideen	School of Dental	Reader	Assessment of glutathione peroxidase enzyme response and total antioxidant status in oral cancer - Systematic review and meta-analysis.	Cancer Rep (Hoboken)	https://doi.org/10.1002/cnr2.1842	1.7
487.	Dr Gayathri S	School of Dental	Reader	Phytochemical Analysis and in vitro cell viability effects of Ethanolic Extract of Ormocarpum cochinchinense on mouse embryonic fibroblasts	Periodontics /School Of Dental Sciences	10.5530/001954641931	0.84
488.	Dr. Bavanilatha	School of Bio & Chemical	Professor	Evaluation of Heavy Metal Removal of Nanoparticles Based Adsorbent Using Danio rerio as Model	Toxics	https://doi.org/10.3390/toxics10120742	4.6

S.N O	Name of the Faculty	Departme nt	Designati on	Title of the Paper	Name of the Journal	DOI	IF
489.	Dr. M.S. Godwin Premi	School of Electrical & Electronics	Professor	Convolutional Neural Networks (CNN) with Quantum-Behaved Particle Swarm Optimization (QPSO)-Based Medical Image Fusion	International Journal Of Image And Graphics	https://doi.org/10.1142/S0219467823400053	1.8
490.	Dr. M.S Godwin Premi	School of Electrical & Electronics	Professor	Image Fusion Using Deep Learning	IJ of Computational Intelligence &	https://doi.org/10.1142/S1469026823410067	1.6
491.	Ramya.D	School of Electrical & Electronics	Assistant professor	Stability and Reliability Analysis for Multiple WT Using Deep Reinforcement Learning	Electric Power Components And Systems	https://doi.org/10.1080/15325008.2023.2220313	1.5
492.	Ramya.D	School of Electrical & Electronics	Assistant professor	Modular tri-port converter with switched reluctance motor based hybrid electrical vehicles for fault tolerance	Internationa L Journal Of Heavy Vehicles	https://doi.org/10.1504/IJHVS.2022.129782	0.6
493.	Lalithakumari .S	School of Electrical & Electronics	Professor	Investigation of Electromagnetic Wave Propagation in a Defected Photonic Crystal Square Lattice Structure	Journal Of Electronic Materials	https://doi.org/10.1007/s11664-022-10058-2	2.1
494.	Krishnamanik umar	IRC	Scientific Assistant	In silico modelling and interactive profiling of BPH resistance NBS- LRR proteins with salivary specific proteins of rice planthoppers	Gene Reports	https://doi.org/10.1016/j.genrep.2022.101648	1.3
495.	P.Jeyanthi	School of Computing	Professor	A Combined U-Net and Multi- Class Support Vector Machine Learning Models for Diabetic Retinopathy Macula Edema Segmentation and Class cation DME	Soft Computing	https://doi.org/10.1007/s00500-023-08690-z	4.1

8.5 BOOKS/BOOK CHAPTERS/MONOGRAPHS

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
1.	Biomedical	Dr. Bethanney Janney J	An Intelligent Healthcare Monitoring System for Coma Patients	The Internet of Medical Things (IoMT)	Published	9781119769200/10 Feb 2022/ doi.org/10.1002/9781119769200.ch5
2.	Centre for Ocean Research	C. Kumar	Green-synthesized nanoparticle-based polymer nanocomposites: Synthesis characterizations, and applications	Biodegradable and Biocompatible Polymer Nanocomposites	Published	https://doi.org/10.1016/B978-0-323-91696-7.00012-X
3.	Centre for Ocean Research	Dr.V.Karthick	Concepts and Design of Materials Nanoarchitectonics	Nanostructured Biocompatible Materials	Published	https://books.rsc.org/books/edited-volume/873/Concepts-and-Design-of-Materials
4.	Centre for Ocean Research	Dr.K.Govindaraju	Nanomaterials as a tool for soil remediation in sustainable agriculture	Comprehensive Analytical Chemistry	Published	https://doi.org/10.1016/bs.coc.2021.11.006

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
5.	Centre for Ocean Research	Dr.K.Govindaraju	Principles and Application of Nanotechnology in Pest Management	Trends in Horticultural Entomology	Published	https://doi.org/10.1007/978-981-19-0343-4_2
6.	Centre for Ocean Research	Dr. D. Jeyapragash	Marine Natural Product and Chemistry from Origin to Pharmaceuticals	Marine Biochemistry	Published	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003303909-1/marine-natural-products-chemistry-jeyapragash-danaraj-saravanakumar-ayyappan
7.	Centre for Ocean Research	Dr. D. Jeyapragash	Climate Change impact of nitrate contamination on Human Health	Climate Change impacts of Human Health	Published	https://link.springer.com/chapter/10.1007/978-3-031-04707-7_14#:~:text=The%20consequences%20of%20decreased%20water,tube%20defects%20in%20human%20beings

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
8.	Centre for Ocean Research	Dr. D. Jeyapragash	Role of Metaloxide nanoparticles in the plant/rhizome microbiome	Nanometal oxide in Horticulture and Agronomy	Published	https://www.sciencedirect.com/science/article/abs/pii/B9780323918091000111#:~:text=Generally%2C%20the%20metal%20and%20metal,other%20physiological%20and%20biochemical%20activities.
9.	Centre for Ocean Research	Dr. R. Srinivasan	Metabolic Engineering Approaches for Bioenergy Production	Applied Biotechnology for Emerging Pollutants Remediation & Energy Conversion	Published	https://link.springer.com/chapter/10.1007/978-981-99-1179-0_14

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
10.	Centre for Ocean Research	Dr. R. Srinivasan	Production of Biofuels and Value-Added Products Using Anaerobic Digestion of Wastewater	Biotechnology for Toxicity Remediation and Environmental Sustainability	Published	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003312390-2/production-biofuels-value-added-products-using-anaerobic-digestion-wastewater-rajathirajan-siva-dharshini-shivakumar-renuka-dharani-arul-jothiramachandran-srinivasan-mohandass-ramya
11.	Centre for Ocean Research	Dr. R. Srinivasan	Biotechnology for Toxicity Remediation and Environmental Sustainability	Biotechnology for Toxicity Remediation and Environmental Sustainability	Published	https://www.routledge.com/Biotechnology-for-Toxicity-Remediation-and-Environmental-Sustainability/Gothandam-Srinivasan-Ranjan-Dasgupta/p/book/9781032319230
12.	Centre for Ocean Research	Dr. M. Ravi	A protocol on isolation and identification of aeromonas from fishes	Aquaculture Microbiology	Published	https://doi.org/10.1007/978-1-0716-3032-7_1

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
13.	Centre for Ocean Research	Dr. M. Ravi	A Protocol on isolation and identification of edwardsiella from fishes	Aquaculture Microbiology	Published	https://doi.org/10.1007/978-1-0716-3032-7_2
14.	Centre for Ocean Research	Dr. M. Ravi	A Protocol on isolation and identification of flavobacterium from fishes	Aquaculture Microbiology	Published	https://doi.org/10.1007/978-1-0716-3032-7_3
15.	Centre for Ocean Research	Dr. M. Ravi	A Protocol On Isolation And Identification Of Citrobacter From Fishes	Aquaculture Microbiology	Published	https://doi.org/10.1007/978-1-0716-3032-7_4
16.	Center for Earth and Atmospheric Sciences	Dr.P.M.Velmurugan	Investigations on Rare Earth Elements in sediments from South Vellar Estuary along Bay of Bengal and Palk Strait, Tamil Nadu, India.	Tntechopen	Published	Feb-23

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
17.	Centre for Remote Sensing and Geoinformatics	Marykutty Abraham	Computational and Field Approach to Assess Artificial Recharge of Groundwater	Modeling and Simulation of Environmental Systems A Computational and Field Approach	Published	ISBN 9781032066981
18.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Geospatial Technology for Decadal Changes of Groundwater Quality in Nagapattinam District, Tamil Nadu, India	Ecological Environment: A New Perspective	Published	978-1-387-38896-7
19.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Introduction to Climate Change and Current Trends in India	Ecological Environment: A New Perspective	Published	978-1-387-38896-7

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
20.	Centre for Remote Sensing and Geoinformatics, Center for Earth and Atmospheric Sciences	Dr.K.Nagamani, Prabhu Dass Batvari	Classification of Land Use and Land Cover Changes Using Remote Sensing and GIS in Pondicherry Coast	Ecological Environment: A New Perspective	Published	978-1-387-38896-7
21.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Study of Indian Coastal Geomorphology	Ecological Environment: A New Perspective	Published	978-1-387-38896-7
22.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Textile Effluent Sludge as an Adsorbent - A Review	Ecological Environment: A New Perspective	Published	978-1-387-38896-7

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
23.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Hydrochemical Investigation and Water Quality Mapping in and Around Pallikaranai Marshland Area in Chennai, India	Impacts of Urbanization on Hydrological Systems in India	Published	978-3-031-21618-3
24.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Water and climate change from the regional, national, and international perspective	Sustainable and Circular Management of Resources and Waste Towards a Green Deal	Published	978-0-323-95278-1
25.	Centre for Remote Sensing and Geoinformatics	Dr. P. Mohana	Artificial intelligence-based intelligent geospatial analysis in disaster management	Advances of Artificial Intelligence in a Green Energy Environment	Published	978-0-323-89785-3

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26.	Centre for Remote Sensing and Geoinformatics	Dr. P. Mohana	Integrated Farming system	Integrated Farming system	Published	978-8-195-59776-5
27.	ECE	G. Raam Dheep, Krithikadevi Ramachandran, Mohammed Shameer, Mathan Natarajamoorthy, Mounir Gaidi, Kais Daoudi, Arulmozhi Muthukumarasamy	Antimicrobial Nanosystems	Functional Magnetic Nanomaterials with Enhanced Antimicrobial Activity	Published	April 2023/ISBN: 978-0-323-91156-6
28.	ECE	M.Sumathi, R. Narmadha, G. D. Anbarasi Jebaselvi	Human-Assisted Intelligent Computing	Performance comparison of data security algorithms	Published	01-04-2023/"Online ISBN: 978-0-7503-4801-0 Print ISBN: 978-0-7503-4799-0"
29.	ECE	V.Meenakshi, V.Vijeya Kaveri, Anbarasi Jebaselvi G.D.	Smart Buildings Digitalization	Grid-Interconnected Photovoltaic Power System with LCL Filter feasible for Rooftop Terracing	Published	July 2022/eBook ISBN: 9781003240853

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
30.	ECE	Dr. V. Vedanarayanan, Dr. S. Sankari, Dr. A. P. Shameer, Dr.R. Josphineleela	Green Computing	Green Computing	Published	01-03-2023/978-93-5757-149-4
31.	ECE	Dr. V. Vedanarayanan, Sujata V. Mallapur, T.N.R. Kumar, V. Shanmugasundaram, M. Lakshminarayana, Ajit Kumar	AI and IoT-Based Intelligent Management of Heart Rate Monitoring Systems	AI and IoT-based intelligent Health Care & Sanitation	Published	01-04-2023/978-981-5136-54-8
32.	ECE	Dr. V. Vedanarayanan, Nagaraj G. Cholli, Merin Meleet, Bharat Maurya, G. Appasami, Madhu Khurana	Implementation of the Deep Learning-Based Website for Pneumonia Detection & Classification	AI and IoT-based intelligent Health Care & Sanitation	Published	01-04-2023/978-981-5136-54-8

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
33.	ECE	R.Pandian	Development of Algorithms for Medical Image Compression: Compression Algorithms	Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention	Published	September 2022/9781668475447
34.	ECE	Kavipriya P., Ebenezar Jebarani M.R., Lakshmi S., Jegan G.	Artificial Intelligence Applications in Battery Management Systems and Routing Problems in Electric Vehicles	Hybrid optimization based on genetic routing and scheduling scheme with secure transmission in wireless sensor networks	Published	April 2023,9781668466315
35.	ECE	R.Rajakumar, Charen, R.Pandian	Lane Vehicle Detection and Tracking Algorithm Based on Sliding Window	Intelligent Data Communication Technologies and Internet of Things	Published	01-06-2022/978-981-16-7610-9_66
36.	ECE	Dr.Jayasudha, Dr.Rexiline sheeba, Dr.Srilatha, Ms.R.Sakthi Prabha	Fundamentals of Digital Image Processing		Published	Sep 2022/978-93-94339-87-3

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
37.	ECE	K T Ilayarajaa, M.Sugadev, Shantala Devi Patil, Vani, Roopa, Sachin Kumar	AI and IoT-based Intelligent Health Care & Sanitation	Glaucoma Detection Using Retinal Fundus Image by Employing Deep learning Algorithm	Published	March 2023/978-981-5136-54-8
38.	ECE	Manpreet Kaur, M. Sugadev, Harpreet Kaur, Md Rashid Mahmood, Vikas Maheshwari	Ambient Intelligence and Internet of Things: Convergent Technologies,	Healthcare Internet of Things - A New Revolution	Published	December 2022/9781119821236
39.	ECE	R.Rajakumar, R.Pandian, Prem Jacob	Detection of Diabetic Retinopathy Using Deep Convolutional Neural Networks	Intelligent Data Communication Technologies and Internet of Things	Published	June 2022/978-981-16-7610-9_66
40.	ECE	Dr.K.V.Karthikeyan , Dr.S.Vijayakumar, Mr.T.Rubesh Kumar, Dr.E.Muthu Kumaran	Wireless Networks	Wireless Networks	Published	01-02-2023/ 978-93-5762-059-8
41.	ECE	Dr.M.R.Ebenazar Jebarani, Dr.S.Lakshmi, Dr.P.Kavipriya	Advancements in Cybercrime Investigation and Digital Forensics	Enhanced Security Based on Face Detection in Payment Gateway	Published	April 2023/"Hard ISBN: 9781774913031 E-Book ISBN: 9781003369479"

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42.	ECE	Dr.M.R.Ebenazar Jebarani, Dr.S.Lakshmi, Dr.P.Kavipriya, Ms.Mary Sajin Sanju	Mobile Communication	Mobile Communication	Published	August 2022/"· ISBN-10 : 9395331135 · ISBN-13 : 978-9395331135"
43.	ECE	M.Sumathi, Rexilin Sheeba	Optical Coherence Tomography - Developments and Innovations in Ophthalmology	Study and Analysis of Fluid Filled Abnormalities in Retina using OCT	Published	01-03-2023/ISBN: 978-1-78923-755-9 Print ISBN: 978-1-78923-754-2
44.	ECE	F.V.Jayasudha, I.Rexiline Sheeba, K.Srilatha, R.Shakthiprabha	Foundation of Digital Image Processing	Foundation of Digital Image Processing	Published	November 2023/978-93-95468-44-2
45.	ECE	K. Sudheera, N. M. Nandhitha, S. Emalda Roslin, Rekha Chakravarthi, M. A. Muthiah, Aldrin ShajiLukose, Akondi Sri Sai Prasanth	Lecture Notes in Mechanical Engineering	Convolutional Neural Networks for Weld Defect Detection from Ultrasonic Signals	Published	01-09-2022/ 2195-4364

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46.	ECE	R.Narmadha, Jebaz, Yenthila	Future Trends in ICCT and its applications in IT, Management and Education	Artificial Intelligence based Microstrip implanted in human health monitoring and tracking	Published	01-08-2022/ ISBN:978-81-949961-8-7
47.	ECE	K.Srilatha, Jayasudha F.V., Sumathi M., Chitra P.	Lecture Notes in Electrical Engineering	Automated Ultrasound Ovarian Tumour Segmentation and Classification Based on Deep Learning Techniques	Published	01-06-2022 /ISBN 1876-1119
48.	ECE	E. Anna Devi, E. Ahila Devi	Recent Advancements in Engineering, Management, Arts and Science (RDEMAs)	Digital Transformation	Published	01-03-2023/978-93-91697-02-0
49.	Pedodontics	Dr Dhanraj	Silver Diamine Fluoride	Nikhil Marwah		
50.	OMFS	Dr S Tharanikumar	Development of gallium silicon titanium alloy for dental implants	Human Teeth - from function to esthetics	Published	ISBN - 978-1-83768-659-9, ISSN - 2631-6218. IntechOpen

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
51.	Biotechnology	Nellore J., Nachiyar C.V	Extraction and Purification of Bioactive Ingredients from Natural Products	Handbook of Nutraceuticals and Natural Products	Published	Vol 2,221-257,2022,978-1-119-74679-9
52.	Biotechnology	Nachiyar C.V., Nellore J.	Nutritional Supplements in Health Care	Handbook of Nutraceuticals and Natural Products	Published	Vol 2,1-43,2022,978-1-119-74679-9
53.	Biotechnology	Nachiyar C.V., Nellore J.	Nutraceutical Compounds from Marine Microalgae	Handbook of Nutraceuticals and Natural Products	Published	Vol 1,245-255,2022,978-1-119-74679-9
54.	Biotechnology	Nachiyar C.V.	Polylysine: Natural Peptides as Antimicrobial Agents. A Recent Scenario in Food Preservation	Handbook of Nutraceuticals and Natural Products	Published	Vol 1,257-272,2022,978-1-119-74679-9
55.	Biotechnology	Nellore J., Nachiyar C.V.,	Early Life Nutrition, Epigenetics, and Programming of Later Life	Handbook of Nutraceuticals and Natural Products	Published	Vol 1,301-362,2022,978-1-119-74679-9
56.	Biotechnology	Prabavathy D., Sudha S., Inbathamizh L.	Genetically Modified Products and Non-GMO Products in Nutraceuticals	Handbook of Nutraceuticals and Natural Products	Published	Vol 2,315-336,2022,978-1-119-74679-9

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57.	Biotechnology	Sudha S., Inbathamizh L., Prabavathy D.	Carbohydrates, Proteins, and Amino Acids: As Natural Products and Nutraceuticals	Handbook of Nutraceuticals and Natural Products	Published	Vol 2,269-313,2022,978-1-119-74679-9
58.	Biotechnology	Inbathamizh L., Prabavathy D., Sudha S.	Quality Assurance of Nutraceuticals and Their Approval, Registration, Marketing	Handbook of Nutraceuticals and Natural Products	Published	Vol 2,337-360,2022,978-1-119-74679-9
59.	Biotechnology	Dr.Prakash P	A Sustainable Approach of Artificial Neural Network for Prediction of Irrigation, Pesticides, Fertilizers, and Crop Yield	Artificial Intelligence Applications In Agriculture	Published	2023/9781668451410/IGI global
60.	Biotechnology	Dr.V.Ramesh kumar	Human values and ethics in the workplace	Human values and ethics in the workplace	Published	2022, 978-93-95405-31-7
61.	CSE	Dr. S.Dhamodaran	Artificial Intelligence in Datamining Techniques	Monograph/ Lambert Publication	Published	May2023/9786206141952

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62.	CSE	Dr.S.Dhamodaran	Estimation of Thyroid by Means of Machine Learning and Feature Selection Methods	Artificial Intelligence for Smart Healthcare	Published	pp 327-344/June 2023/ https://doi.org/10.1007/978-3-031-23602-0/2023/978-3-031-23602-0
63.	CSE	S.L.Jany Shabu	Implementation of Computational Imaging in Bio-Medical Technology		Published	11/29/2022
64.	CSE	G Nagarajan	Software Architectural Design for Optimization Problem		Published	December/2022/978-93-92892-04-2
65.	CSE	R. Aroul Canessane	Refactoring of Sad for Performance Optimization	Monograph	Published	10/31/2023
66.	CSE	Dr.A.Deepa, Dr.S.Jancy, Dr.Viji Amutha Mary		Advanced Data Structures	Published	2023
67.	CSE	Dr.A.Deepa, Dr.S.Jancy, Dr.Viji Amutha Mary		Design and Analysis of Algorithms	Published	2023
68.	CSE	C. Kavitha, S. R. Srividhya		Operating Systems	Published	2022

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69.	CSE	Dr.T.Judgi		Julia Approach for Data Science	Published	2022
70.	CSE	Dr.T.Judgi		Data Science with Julia	Published	2022
71.	CSE	Dr.Gopika GS		Digital Image Processing	Published	2022
72.	CSE	Dr. J. Refonaa		Machine Learning	Published	2023
73.	CSE	Dr.G.Nagarajan		Applied Edge AI: Concepts, Platforms, and Industry Use Cases	Published	2022
74.	CSE	Dr. Ashokkumar		Data Structures and Algorithms in Python	Published	2022
75.	CSE	Dr. P. Asha, Dr. Mahadev Gawas, Dr. Rakesh Bapu, Bilal Abdualgalil		Machine Learning	Published	978-93-5515-469-9, 2022
76.	CSE	Dr. P. Asha, Dr. Pankaj Mudhalkar, Dr.Megha Mudhalkar, Sumit Kumar		Web of Things	Published	978-93-5515-536-8, 2022

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77.	CSE	Dr.C.Kavitha, Dr.Durga Devi.P		Data Structure Design	Published	2022
78.	CSE	C.Kavitha, S.R.Srividhya		Introduction to Operating Systems	Published	2022
79.	CSE	C.Kavitha		C Programming and Data Structures	Published	2022
80.	CSE	Ankayarkanni		Compiler Design	Published	2022/978-93-5625-647-7
81.	CSE	Dr.S.Raja shree		Deep Learning algorithms with python	Published	2022
82.	CSE	Dr.E.Srividhya, Dr.S.Jayanthi, Dr. C.M Suja		An Approach to Deep Learning	Published	2022
83.	CSE	G.M.Karpura Dheepan		Getting started with the Internet of Things	Published	October/2022/979-8-88-849146-1
84.	CSE	Bangaru Kamatchi		Handbook on Cloud Computing	Published	2022/978-93-5757-090-9
85.	CSE	Dr.L.Sharmila, Dr.V.Saranya, Dr.A.Jemshia Miriam, Dr.S.Raja shree		Artificial Intelligence: The Next Frontier	Published	

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86.	CSE	A Jemshia Mirriam, S Rajashree, M Nafees Muneera, V Saranya, E Murali	Advanced Communication and Intelligent Systems	Approaches to Overcome Human Limitations by an Intelligent Autonomous System with a Level of Consciousness in Reasoning, Decision Making and Problem-Solving Capabilities	Published	
87.	CSE	Dr. G Maria Jones, Ms. G.Subathra, Ms. Kalaivani A, Ms. D. Nancy Kirupanithi, Ms. Santhiya P		An Approach to Machine Learning	Published	
88.	CSE	B.Ankayarkanni	An Empirical Review on Brain Tumor Classification Approaches	Lecture Notes in Networks and Systems	Published	521/pp15-27/November/2022/978-3-031-13150-9

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89.	CSE	B.Ankayarkanni	Analysis and Survey of Soil Moisture Prediction Techniques for Agricultural Applications	Lecture Notes in Networks and Systems	Published	521/pp 255-241/November/2022/978-3-031-13150-9
90.	CSE	Mary Posonia A., Ankayarkanni B., Usha Nandhini D., Albert Mayan J., Nagarajan G.	An Efficient Algorithm for Traffic Congestion Control	Lecture Notes in Networks and Systems	Published	430/pp 441-448/May/2022/978-981-19-0825-5
91.	CSE	Albert Mayan J, Velmurugan A, Nagarajan G	Dynamic and Unified Approach to Distinguish Malicious URL Using LSTM	Lecture Notes in Networks and Systems	Published	467/239-245/August 2022/doi.org/10.1007/978-981-19-2538-2_23/978-981-19-2538-2
92.	CSE	R. I. Minu, G. Nagarajan, Ankit Prabh, Jenendar Bishnoi	Neoplastic—Nuclei Cell Labelling Using Mask R-CNN	Lecture Notes in Computational Vision and Biomechanics	Published	pp 95-108/January/2023/10.1007/978-981-19-0151-5_8/978-981-19-0151-5
93.	CSE	Nomula Ashok, Prsadarao, T.Judgi	Evaluation of security of cloud deployment models in Electronic Health Records	Lecture Notes in Networks and Systems	Published	673/pp 143-157/July 2023/https://doi.org/10.1007/978-981-99-1745-7_10/978-981-99-1745-7

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94.	CSE	L. Sujihelen, S. T. Nikhil Sidharth, Miryala Sai Kiran, M. D. Antopraveena, M. S. Roobini, G. Nagarajan	Improving The Efficiency of E-Healthcare System Based on Cloud	Lecture Notes in Networks and Systems	Published	430/415-419/May/2022/ https://doi.org/10.1007/978-981-19-0825-5_45 /978-981-19-0825-5
95.	CSE	R. Subhashini, J. Joshua Thomas, A. Sivasangari, P. Mohana, S. Vigneshwari, P. Asha	Chapter 11 - Artificial intelligence-based intelligent geospatial analysis in disaster management	Advances of Artificial Intelligence in a Green Energy Environment, Elsevier, Academic Press	Published	2022, Pages 203-221, ISBN: 978-0-323-89785-3
96.	CSE	Anandhi T., Malathi P., Deepa D., Roobini M.S., Nagarajan G.	Enhancing Agricultural System and Agro Food Transportation Management Using IoT	Lecture Notes in Networks and Systems	Published	
97.	CSE	Christy A., Praveena M.D.A., Suji Helen L., Nagarajan G.	Deployment of Cellular Application Using Flutter for Covid-19 Visualization	Cyber Technologies and Emerging Sciences	Published	August/2022/10.1007/978-981-19-2538-2_21

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98.	CSE	Dr.S.L.Jany Shabu, Dr.J.Refonaa, Ms.Manju Nair, Ms.R.Velvizhi, Dr.Suja Cherukullapurath Mana		Navigating the cloudscapr:A comprehensive guide to cloud computing	Published	June 2023/978-93-91303-67-9
99.	CSE	Dr S.Prayla Shyry, Bevish Jinila Y., Joy C., Joshua Thomas	Significance of Consuming 5 G-Built Artificial Intelligence in Smart Cities	Artificial Intelligence in Industry 4.0 and 5G Technology	Published	June 2022, 43-62.
100.	CSE	Dr.R.Rajalakshmi	Market growth and the impact of IoT: the moderating	Taylor & Francis	Published	June2023
101.	CSE	M.S. Roobini, M. Sowmiya, S. Jancy, L. Suji Helen	Application of Machine Learning in Disease Diagnosis	Medical Imaging and Health Informatics	Published	May/2022/https://doi.org/10.1002/9781119819165.ch2
102.	CSE	Suja Cherukulapurath Mana, G.Kalaiarasi, M.Selvi, T.Velvizhi, Manju C Nair	Ethical AI:Designing Responsible And Trustworthy System	Ethical AI:Designing Responsible And Trustworthy System	Published	June 2023/978-93-91303-66-2

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103.	CSE	Sujihelen L., Dinesh M., Shankar S.S., Jancy S., Antopraveena	Integrative System of Remote Accessing Without Internet Through SMS	Lecture Notes in Networks and Systems	Published	430/May/2022/https://doi.org/10.1007/978-981-19-0825-5_42/978-981-19-0825-5
104.	CSE	Dr Gopika G S, Sreekrishna M	The Role and Impact of Federal Learning in Digital Healthcare: A Useful Survey	Handbook of Research on Technical, Privacy, and Security Challenges in a Modern World	Published	10.4018/978-1-6684-5250-9.ch007
105.	CSE	Sivasangari A, Deepa D, Gomathi R.M., Ajitha P, Poonguzhali.S	New IoT-Based Portable Microscopic Somatic Cell Count Analysis.	Data Intelligence and Cognitive Informatics	Published	10.1007/978-981-19-6004-8_10
106.	CSE	Pethuru Raj, G. Nagarajan, R.I. Minu		Applied Edge AI Concepts, Platforms, and Industry Use Cases, Taylor & Francis Concepts, Platforms, and Industry Use Cases	Published	1/1-23/1/July/2022/97803677023661

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107.	CSE	Hema V		Intelligent Machines: Understanding the Rise of Artificial Intelligence	Published	February 2023 ISBN: 9798889752509
108.	CSE	Dr Veena K		Cyber Security	Published	
109.	CSE	Dr Veena K		Cyber Forensics	Published	
110.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Antioxidant activity of marine bacterial pigments	Marine Antioxidants	Published	01-12-2022/133-140/https://doi.org/10.1016/B978-0-323-95086-2.00015-1/9780323950879
111.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Microbial symbionts of polar animals	Microbial Symbionts: Functions and Molecular Interactions on Host	Published	01-10-2022/573-583/10.1016/B978-0-323-99334-0.00017-7/323993346

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112.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Citric Acid Production	Industrial Microbiology based entrepreneurship	Published	01-11-2022/10.1007/978-981-19-6664-4_6/9789811966644
113.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Symbiotic Microbes from Corals	Microbial Symbionts: Functions and Molecular Interactions on Host	Published	01-10-2022/441-456/10.1016/B978-0-323-99334-0.00004-9/323993346
114.	Centre for Drug Discovery and Development	Dr. V. Gopikrishnan	Endosymbiotic interactions of actinobacteria with the insects	Microbial Symbionts: Functions and Molecular Interactions on Host	Published	01-10-2022/645-658/0323993346/10.1016/B978-0-323-99334-0.00001-3

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115.	Centre for Drug Discovery and Development	Dr. T. Rajasekar	Quorum sensing relationship analysis of microbial symbionts	Microbial Symbionts Functions and Molecular Interactions on Host	Published	October 2022;831-845/0323993346
116.	Centre for Drug Discovery and Development	Dr. T. Rajasekar	Microbial symbionts of algae	Microbial Symbionts Functions and Molecular Interactions on Host	Published	Oct-22
117.	CCCS	Amit Kumar	High altitude sickness – solutions from genomics, proteomics and antioxidant interventions.	Serum and Plasma Proteomics for High Altitude Related Biomarker Discovery	Published	https://link.springer.com/chapter/10.1007/978-981-19-1008-1_9/2022/978-981-19-1008-1
118.	CCCS	Amit Kumar, Shrutika Raut, S. Prakash		Field Identification Guide for Common Marine and Coastal Life of Covelong, Chennai	Published	978-93-83409-76-1

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119.	MBA	Dr.N.Mathan	Fundamentals of Financial Accounting	Fundamentals of Financial Accounting	Published	ISBN:978-81-956844-3-4
120.	MBA	Dr.Sudha Paulin, Dr.John Britto, Dr.J.Rani	Principles of Mngement and Professional Ethics	Principles of Mngement and Professional Ethics	Published	ISBN:978-81-959786-6-3
121.	MBA	Ms M Jayaseely	Exploring the association of Multiple Intelligence on Interest of High School Students	Multidisciplinary approaches in Social Sciences, Education and Languages (Vol - 2)	Published	ISBN:978 - 93- 95456-90-6
122.	MBA	Dr. D. Velumoni	Security Analysis and Portfolio Management	Security Analysis and Portfolio Management	Published	978-81-958752-5-2
123.	MBA	Dr.B.Bhavya	Human Resource Management: Principles and Practice	Human Resource Management: Principles and Practice	Published	978-93-5625-223-3
124.	MBA	Dr.B.Bhavya	A study on the impact of service quality and customer satisfaction towards online travel agencies	Emerging Innovation in Social Sciences	Published	978-3-96492-398-1

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125.	MBA	Dr. K. Santhanalaxmi	Sustainable Cities and Communities	A Vision of NEP 2020 - India's 2047 on Higher Education	Published	pp. 228- 240; ISBN : 978-81-961217-4-7
126.	MBA	Dr.S.Krishnakumari		Managerial Economics	Published	1/ 1/ oct/2022/ ISBN 978-81-957333-7-8
127.	MBA	Dr. Hameem Khan P, Dr. A.S Princy, Dr. Blessie Pathmu	Management Concepts and Organisational Behavior	Management Concepts and Organisational Behavior	Published	978-81-962564-0-1
128.	MBA	Dr. Jainab Zareena	A Review of Economy, Markets, and consumption	Challenges and Opportunities in New Global Business, Science and Technology, Wisdom India Publications.	Published	978-81-958752-6-9, (November 2022)
129.	MBA	Dr. Gananath Khilla	Management Concepts and Organisational Behaviour	Wisdom India Publication	Published	Apr-23

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130.	MBA	Dr.Kalailakshmi, Dr. Dhivya Sathish, Dr.Lavanya	Research Methodology	Research Methodology - Scientific International Publishing House	Published	978-93-5625-633-0
131.	MBA	Dr.TR.Kalai Lakshmi	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	Published	ISBN 978-93-5625-457-2
132.	MBA	Dr.TR.Kalai Lakshmi	Innovation Led Business and A Journey Ahead- A Case Study of Maaharani Innovative Private Ltd.	Innovation Led Business and A Journey Ahead- A Case Study of Maaharani Innovative Private Ltd.	Published	ISBN 978-93-5545-037-1
133.	EEE	M.Pushpavalli	Closed-Loop Analysis of Multi-input KY Boost Converter Applying Fuzzy Logic Controller	Smart Energy and Advancement in Power Technologies	Published	978-981-19-4975-3 22.10.22

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134.	EEE	W.Abitha memala	A Review on Advanced Control Techniques for Multi-Input Power Converters for Various Applications	Smart Grids for Smart Cities Volume 1	Published	9781119872078 11.1.23
135.	English	Divya. T.J		Intersectionality and Discrimination in select songs of Tracy Chapman- A Study	Published	March, 2023, Pacific Book International
136.	English	Dr. Jayakumar		Intersectionality and Discrimination in select songs of Tracy Chapman- A Study	Published	March, 2023, Pacific Book International
137.	English	Dr. Jayakumar, Dr. Ramesh Manickam, Lamessa Oli Afeta		Modern English Grammar- for Beginner to Intermediate Level Students	Published	Emerald Publishers, 2023

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138.	ENGLISH	Dr.Lizy.V	Traumatic experiences of women characters in Emma's The Pull of the Stars	Research Outcomes of Novices in Language and Literature	Published	CH - 51/SEP/2022/9789395423113
139.	ENGLISH	Dr. Sowmiya L. M, Sherly Hephzibah J	Maybe The Aesop's Fables is not Children's Literature	Social Perspectives in Contemporary English Literature	Published	107 - 111/AUG/2022/9789393622075
140.	ENGLISH	Dr.Lizy.V, Ms.Priscilla	The Chronicles of Narnia by C.S.Lewis	Re Defining the theories of Communication	Published	Ch 42/MAR/2022/9798215540473
141.	ENGLISH	Dr.Lizy.V, Ms. Paulsy Diana	Investigating the female latency and Disparage in Manju Kapur's Brothers	Re Defining the theories of Communication	Published	Ch 97/MAR/2022/9798215540473
142.	Physics	Dr.P.Malliga	Amino acid NLO single crystals	Investigation on Growth and Characterisation of NLO single crystals	Published	192/8/2022/ISBN: 978-620-5-49405-9
143.	Physics	Dr.Helen Merina Albert		Engineering Physics-1	Published	Vol.1/pp.1-170/ISBN:978-93-5625-138-0

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144.	Physics	Dr. K. Vijai Anand		Antimicrobial Nanosystems- Fabrication and Development	Published	ISBN 978-0-323-91156-6/DOI
145.	Physics	Dr. M. Dakshana	Role Of Graphene Oxide (GO) In Enhancing Performance Of Energy Storage Devices	Graphene Oxide in Enhanced Energy Storage devices	Published	113-149 ISBN:9781032062181
146.	Physics	Dr. D.S.Jayalakshmi		Pressure induced Phase Transition of LaAlO3 Perovskite	Published	July /2022/ 978-620-5-49263-5
147.	Mathematics	Dr. N. Nirmala	Trend Analysis of Air Quality Index in Chennai, India		Published	22-Aug/ 978-81-19102-88-4
148.	Mathematics	Dr.M.Mallika	Determination of Chennai Annual Rainfall Using Datamining Technique		Published	23-Mar/978-93-5547-488-9

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149.	Mathematics	Dr.R.Rajakumar	Classification, Estimation and Adaptation of Error Control Coding		Published	22-Aug/ 978-93-95118-20-0
150.	Mathematics	Dr.E.Priyadarshini	Time Series Models of Production of Crude Oil in India		Published	23-Jan /978-620-6-15252-1
151.	Mathematics	Dr.Y.Immanuel		Numerical solutions of Unsteady free convective Heat and Mass Transfer effects	Published	23-Apr/ 78-81-963114-0-7
152.	Mathematics	Dr.Y.Immanuel	On the Algebraic Characteristics of the Normalization of Fuzzy BG – Ideals in BG – Algebra		Published	23-Apr/ 978-981-5051-22-3

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153.	Mathematics	J. Jayapriya	Solar Electric Vehicle Charging and Grid Interaction: An Integrated Module(Materials and Technology for green environment)		Published	2023/978-981-5051-21-6
154.	Mathematics	Dr. M. PREMKUMAR	ω - Fuzzy Translation and Multiplication in BH- Algebras		Published	2022/978-93-5547-687-6
155.	Mathematics	Dr. M. PREMKUMAR	On Algebraic attributes of χ -Fuzzy Subring, Normal Subring and Ideal		Published	2022/978-93-5547-692-0
156.	Mathematics	Dr. M. PREMKUMAR	On the Algebraic Characteristics of the Normalization of Fuzzy BG – Ideals in BG – Algebra		Published	23-Apr/78-81-963114-0-7
157.	Mathematics	Lt Dr.P.Chandrasekar		Book- Trigonometry and 2D Analytical Geometry	Published	23-May/978-93-92063-35-0

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158.	Mathematics	Dr. R. Delhi Babu		Effect of MHD flow between two parallel plates with angular velocity	Published	23-Jan/978-620-5-64114-9
159.	Centre for Nanoscience and Nanotechnology	Prabhakarn Arunachalam, Govindhasamy Murugadoss, Chelladurai Karuppiah, Abdullah M. Al-Mayouf, Chun-Chen Yang	Prospective Anodes for Solid-State Lithium-Ion Battery	Solid State Batteries: Design, Challenges and Market Demands	Published	2022, 2662-4761
160.	Centre for Nanoscience and Nanotechnology	G. Murugadoss, M. Rajaboopathi, M. Rajesh Kumar, A. M. Kamalan Kirubaharan	Bio waste derived carbon-based materials for supercapacitor applications	Biomass-Derived Carbon Materials: Production and Applications	Published	2022, 13 9783527349265
161.	Centre for Nanoscience and Nanotechnology	G. Murugadoss, T. Shyju, P. Kuppusami,	Bio-Mediated Synthesis of Nanomaterials for Dye-Sensitized Solar Cells	Bioinspired Nanomaterials for Energy and Environmental Applications	Published	2022, DOI: https://doi.org/10.21741/9781644901830-6

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162.	Centre for Nanoscience and Nanotechnology	Dr. Shyju T.S., Dr. P. Vengatesh	Biomass-Derived Carbon as Electrode Materials for Batteries	Biomass-Derived Carbon Materials: Production and Applications	Published	10.1002/9783527832903
163.	Centre for Nanoscience and Nanotechnology	Dr. Shyju T.S., Dr. P. Vengatesh	Halide Perovskites for Photo Detector applications	Low-Dimensional Halide Perovskites: Structure, Synthesis, and Applications	Published	doi.org/10.1016/B978-0-323-88522-5.00003-X
164.	Centre for Nanoscience and Nanotechnology	Kamalan Kirubaharan, Amirtharaj Mosas, Dinesh Kumar Devarajan, Subhenjit Hazra, Gobi Saravanan Kaliaraj	Recent Advancements in Wear-Resistant Coatings Prepared by PVD Methods	Tribology in Coatings and Surface Treatment	Published	10.4018/978-1-7998-9683-8.ch008
165.	Centre for Nanoscience and Nanotechnology	Dr. S. Anandh Jesuraj, Dr. P. Kuppusami	Advanced thermal barrier coatings for aerospace gas turbine engine applications	Advanced Ceramic Coatings for Emerging Applications	Published	978-0-323-996259, 2022

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166.	Centre for Nanoscience and Nanotechnology	Dr. T. Dharini, Dr. P. Kuppusami	Nanocomposite ceramic diffusion barrier coatings for nuclear vitrification furnace	Advanced Ceramic Coatings (Fundamentals, Manufacturing, and Classification)	Published	978-0-323-99659-4, 2022
167.	Centre for Nanoscience and Nanotechnology	P. Kuppusami	Indiya Anushakthiyin Ezhuchi varalaru- A tamil translation of "The Saga of Atomic Energy in India"	Indiya Anushakthiyin Ezhuchi varalaru-A tamil translation of "The Saga of Atomic Energy in India"	Published	March, 2023
168.	Centre for Nanoscience and Nanotechnology	Dr. K. Gobi Saravanan	Methods of Microstructural Characterization of Coatings	Tribology and Characterization of Surface Coatings	Published	Print ISBN:9781119818786 Online ISBN:9781119818878 DOI:10.1002/9781119818878
169.	Centre for Nanoscience and Nanotechnology	Dr. K. Gobi Saravanan	Tribological Properties of Carbon-Based Coatings	Tribology and Characterization of Surface Coatings	Published	Print ISBN:9781119818786 Online ISBN:9781119818878 DOI:10.1002/9781119818878

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170.	Centre for Nanoscience and Nanotechnology	Dr. K. Gobi Saravanan	Bioactive Coatings for Biomedical Applications	Tribology and Characterization of Surface Coatings	Published	Print ISBN:9781119818786 Online ISBN:9781119818878 DOI:10.1002/9781119818878
171.	Centre for Nanoscience and Nanotechnology	Dr. Subhenjit Hazra	Recent Advancements in Wear-Resistant Coatings Prepared by PVD Methods	Handbook of Research on Tribology in Coatings and Surface Treatment	Published	DOI: 10.4018/978-1-7998-9683-8.ch008
172.	Centre for Nanoscience and Nanotechnology	Dr. Kunal Biswas	Green Synthesis of Iron Oxide Nanoparticles for Biomedical Applications	Encyclopedia of Green Materials (Springer)	Published	pp 1–10, 20th Sept, 2022, DOI : https://doi.org/10.1007/978-981-16-4921-9_253-1 , ISBN : 978-981-16-4921-9
173.	IT	Dr A Sivasangari, Dr.R.Subhashini	Artificial Intelligence - based intelligent geospatial analysis in disaster management	Advances of Artificial Intelligence in a green Energy Environment	Published	pp:203-221

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174.	IT	Dr A Sivasangari	New IoT Based Portable Microscopic Somatic Cell Count Analysis	Data Intelligence and Cognitive Informatics	Published	pp:113-119
175.	IT	Dr A Sivasangari	Providing Security in IoT using quantum cryptography	Handbook of Research on Quantum Computing for Small environments	Published	pp:245-253
176.	IT	Dr A Sivasangari	Segmentation of Shopping Mall Customers using Clustering	Data Intelligence and Cognitive Informatics	Published	pp:619-629
177.	IT	Dr L Mary Gladence	Machine Learning based Decision support systems in iot Systems	Computer Science and Information System	Published	pp:534-549
178.	IT	Dr A Sivasangari, Dr.R.Subhashini	An artificial intelligence mediated wearable device for diagnosis of cardio through remote monitoring	Cognitive Systems and Signal Processing in Image Processing	Published	pp:319-335

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179.	IT	Prayla Shyry S., Christy A., Bevish Jinila Y.	Speech Emotion Recognition of Tamil Language: An Implementation with Linear and Nonlinear Feature	Lecture Notes in Electrical Engineering	Published	978-981-33-4866-0
180.	IT	A.Veeramuthu	Comparative Study of Skin Lesion Segmentation and Feature Extraction in Different Color Spaces	Proceedings of International Conference on Communication, Circuits, and Systems	Published	9781003048855
181.	IT	Dr A Sivasangari, Dr R.M.Gomathi	Smart Trust Management Scheme for Detecting Attacks In Iot And Ubiquitous Computing	Industry 4.0	Published	9788195030552
182.	IT	Dr R.M.Gomathi	Business Analytics at the Strategic Level	Management Analytics and Software Engineering	Published	978-981-16-1056-1

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183.	IT	Dr A. Sivasangari, Dr R.M.Gomathi	A Smart Monitoring Industrial IOT Devices from Outsider Threats	Cognitive Informatics and Soft Computing	Published	978-981-16-1056-1
184.	IT	Dr G. Ajitha, Dr A Sivasangari, Dr R.M.Gomathi	A Machine Learning Approach to Predict and Classify the Levels of Autism Spectrum Disorder	Cognitive Informatics and Soft Computing. Advances in Intelligent Systems and Computing	Published	978-981-16-5685-9
185.	IT	Dr R.M.Gomathi	Prediction of Chronic Kidney Disease by Best Accuracy Using Supervised Classification Machine Learning Approach	Lecture Notes on Data Engineering and Communications Technologies	Published	9780323897853
186.	Viscom	Mr.A.R.Vimal Raj, Dr. N.Nazini	Iconography of Muslim Culture and Identity in the Tamil Film Thuppaki	Language Culture and Identity	Published	978-93-5680-603-0
187.	Viscom	Mr.A.R.Vimal Raj, Dr. N.Nazini	YASH Book	YASH 2022	Published	ISBN:978-93-94412-03-3

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188.	Viscom	R Pugalendhi	A Study on Popular Social Media: YouTube Play Vital Role in Women Entrepreneurship	International Conference on Recent Trends in Computing, Communication and Information Technology -DEC 2022	Published	978-93-91977-09-2
189.	Viscom	R Pugalendhi	Impact Study on Popular Voice Assistants and Its Usage towards Youngsters	International Conference on Recent Development in Engineering, Sciences, Humanities, and Management - ESHM-20230	Published	978-93-91535-43-8

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190.	Viscom	E. Senthil Kumaran	2nd International Conference on Recent Development in Engineering Sciences Humanities and Management ESHM-2023	2nd International Conference on Recent Development in Engineering Sciences Humanities and Management ESHM-2023	Published	978-93-91535-43-8
191.	Chemistry	Dr. S. Sunitha	Oxide Free Materials for Symmetric Capacitors	Oxide Free Nanomaterials for Energy Storage and Conversion Applications	Published	75-94/1/2022/ https://doi.org/10.1016/B978-0-12-823936-0.00005-X
192.	Centre for Molecular and Nanomedical Sciences	Dr. S. Jackson Durairaj	Biodegradation of microplastics and synthetic polymers in agricultural soils	Microbes and Microbial Biotechnology for Green Remediation	Published	2022/Pages 563-573/978-0-323-90452-0

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193.	Centre for Molecular and Nanomedical Sciences	Dr. S. Jackson Durairaj	E-Health System and Telemedicine: An Overview and its Applications in Health Care and Medicine	Computational Intelligence and Machine Learning Approaches in Biomedical Engineering and Health Care Systems	Published	2022/Pages 29-54/978-1-68108-955-3
194.	Centre for Molecular and Nanomedical Sciences	Dr. M. Rajasekar	Rhodamine Chemistry and Applications	Scholar's Press Publishing	Published	2022, ISBN No: 978-613-8-96822-1
195.	Centre for Molecular and Nanomedical Sciences	Dr. M. Rajasekar	Monograph on Heterocyclic Chemistry	Scholar's Press Publishing	Published	2022, ISBN No: 978-613-8-96938-9
196.	Centre for Molecular and Nanomedical Sciences		Monograph on The 9, 9'-Spirobifluorene	Scholar's Press Publishing	Published	2022, ISBN No: 978-620-2-31360-5

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197.	Centre for Molecular and Nanomedical Sciences	Dr. M. Rajasekar	Recent Development in Gel Chemistry	Lambert Academic Publishing	published	2022, ISBN No: 978-620-4-97804-8
198.	Centre for Molecular and Nanomedical Sciences	Dr. M. Rajasekar	Recent Achievements of Photo responsive Dendrimers and Applications	Lambert Academic Publishing	Published	2023, ISBN No: 978-620-5-63378-6
199.	Centre for Molecular and Nanomedical Sciences	Dr. M. Rajasekar	Fluorescent Based Cation Sensors for Biomedical Applications	Lambert Academic Publishing	Published	2023, ISBN No: 978-620-6-15462-4
200.	Centre for Molecular and Nanomedical Sciences	Dr.S.Johnson Retnaraj Samuel	Biodegradation of microplastics and synthetic polymers in agricultural soils	Microbes and Microbial Biotechnology for Green Remediation	Published	2022, Pages 563-573/978-0-323-90452-0

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201.	Pharmacy	Mr. Voleti Vijaya Kumar, Dr.P.Shanmugapandiyani & Dr.N.Delhiraj	Arnold Chiari Malformations- A Short Review	Research Highlights in Disease and Health Research	Published	Vol. 3, 1 March 2023, Page 19-31 https://doi.org/10.9734/bpi/rhdhr/v3/4517C ISBN 978-81-19102-20-4 (Print) ISBN 978-81-19102-27-3 (eBook)
202.	Pharmacy	Mr. Voleti Vijaya Kumar	Study on Formulation and In-vitro Characterization of Floating Microspheres of Lamivudine	Current Overview on Pharmaceutical Sciences	Published	Vol. 9, 5 April 2023, Page 125-141 DOI: 10.9734/bpi/cops/v9/4640C Print ISBN: 978-81-963114-1-4, eBook ISBN: 978-81-963114-7-6
203.	Pharmacy	Mrs. G. Shanthini Nachiyar	Landscape of persimmon fruit on anti-oxidant Activity	Advances in Science and Technology	Published	Bhumi Publishing
204.	CIVIL	Dr.R.Nirmala		Energy Efficiency in Buildings	Published	Shanlax Publications, August 2022, ISBN: 978-93-94899-92-6

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205.	CIVIL	Dr.R.Padmapriya	Compressive strength of waste utilized concretes through biomineralization techniques	Current Overview on Science and Technology Research	Published	Vol. 4, 21 September 2022, Page 39-50., BP publications
206.	CIVIL	Dr.R.Padmapriya	Geopolymer concrete with copper slag as fine aggregate a way towards developing green construction tec	AIP Conference Proceedings	Published	Volume 2615, pg no 020001 November 2022, https://doi.org/10.1063/5.0116447
207.	CIVIL	Dr.R.Padmapriya	Feasibility study on utilization of waste materials in concrete,	Waste Recovery and Management: An Approach Toward Sus. Dev. Goals	Published	Pg no, 205, CRC Press, Taylor and Francis, May 2023
208.	CIVIL	Dr.S.Packialakshmi	Textile Effluent Sludge as an Adsorbent - A Review”	Ecological Environment: A New Perspective	Published	ISBN– 978-1-387-38896-7, December, LULU Publications, pp: 281-291,2022
209.	CIVIL	Dr.S.Packialakshmi	Classification of Land Use and Land Cover Changes Using Remote Sensing and GIS in Pondicherry Coast	Ecological Environment: A New Perspective	Published	ISBN– 978-1-387-38896-7, December, LULU Publications, Raleigh, NC 27607, United States pp: 261-280, 2022

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
210.	CIVIL	Dr.S.Packialakshmi	Environmental Analysis of Air Quality Levels by Modelling Studies – A Case Study	37th Indian Engineering Congress 2022 Role of Engineers for Creating a Sustainable and Self Reliant India	Published	IEC/2022/136/CV37, The Institution of Engineers(India)
211.	CIVIL	Dr.S.Packialakshmi	Hydrochemical Investigation and Water Quality Mapping in and Around Pallikarnai Marsh Land Area, Chennai, India in, .	Impacts of Urbanization on Hydrological Systems in India	Published	ISBN– 978-3-031-21617-6, pp 25-42, 2023, Springer Nature, Switzerland, https://link.springer.com/book/10.1007/978-3-031-21618-3
212.	Centre for Waste Management	Dawn S, N. Nirmala, Vinita Vishwakarma	Biofouling in oil and gas/biofuel pipelines”, Polymetallic coatings to control biofouling in pipelines Challenges and Potential	Polymettalic Coatings to control Biofouling in Pipelines Challenges& Potential	Published	13/136/September/2021/10.1201/9781003193449 ISBN 9781032044897

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
213.	Centre for Waste Management	N. Nirmala, Dawn S, J. Arun	Thermochemical and biological conversion of biomass into biofuels and bio-chemicals	Progressive Thermochemical Biorefining Technologies	Published	10.1201/9781003098591/1-15/2021/ISBN: 9780367566098/
214.	Centre for Waste Management	N. Nirmala, Dawn S, J. Arun	Wastewater Treatment by Oleaginous Algae and Biodiesel Production: Prospects and Challenges	Integrated Environmental Technologies for Wastewater Treatment & Sus.Development	Published	303-320/ August/2022/ISBN: 9780323984850
215.	Centre for Waste Management	N. Nirmala, Dawn S, J. Arun	Hydrothermal gasification of biomass for hydrogen production: Advances, challenges and prospects	Innovations in Thermochemical Technologies for Biofuel Processing	Published	259-273/2022/10.1016/B978-0-323-85586-0.00011-1
216.	Centre for Waste Management	P. Priyadharsini, S. Sarojadevi, SA Anitha, S Dawn, N. Nirmala	Waste to Chemicals	Handbook of Waste Biorefinery	Published	505-524/ 2022/September/ ISBN: 978-3-031-06562-0

S.No	Department	Name Of The Faculty	Title Of The Chapter	Name Of The Book	Publication Status	Vol. / Pp/Issue/Month / Year /Doi/Isbn
217.	Mechanical	Akash Mohanty,sudhakar, Anish Mariadhas, Rahamathunnisa,	Research Methodology Techniques	Research Methodology Techniques	Published	978-93-5547-841-2 (Print)
218.	Mechanical	S. Ganesan, J. Hemanandh	Influence of Heterogenous acid Catalyst on Diesel Engine Performance and Emissions Using Dual Fuel		Published	978-620-6-15044-2
219.	Mechanical	M.Chandrasekar,S. Ganesan,J.Ruban	Emerging Technologies in Automotive and Mechanical Sciences, Volume II		Published	978-81962098-3-4
220.	Architecture	Devyani Gangopadhyay		IOP Conference Series: Earth and Environmental Science (EES)	Published	Volume 1210, 2023

8.6 CONSULTANCY ACTIVITIES DURING THE YEAR

S.No	Department	Name of the Consultant	Name of the Client
1.	Centre for Ocean Research	Dr.K.Govindaraju	My Pura Vida Wellness Private Limited, Hyderabad
2.	Centre for Remote Sensing and Geoinformatics	Dr Mekalathur Roja Raman	NRSC-ISRO
3.	Centre for Remote Sensing and Geoinformatics	Dr P Mohana	Geospatial and Marine Consulting Services, Madurai
4.	Centre for Laboratory Animal Technology and Research	Dr. D. Saravanan	Life Cell, Chennai
5.	Centre for Laboratory Animal Technology and Research	Dr. D. Saravanan	CLRI
6.	Makerspace	Dr.S.Preethi	Space Zone India
7.	CSE	Dr.K.Ashokkumar, Dr. Albert Mayan	AlgoxFusion
8.	CSE	Dr.K.Ashokkumar, Dr. Albert Mayan	AlgoxFusion
9.	CSE	Dr S Vigneshwari, Dr R Sathyabama Krishnan, Dr D Menaka	ThinkDezk
10.	CSE	Dr.Princemary, Dr.Ramya Franklin	Cognibot Solutions
11.	CSE	Dr. L. Lakshmanan, Dr.K.Ashokkumar, Dr. Albert Mayan	Macincode Technologies
12.	CSE	Dr.K.Ashokkumar, Dr. Albert Mayan	E-CAP Division ExcelR
13.	CSE	Dr A Mary Posonia, Dr S Bangaru Kamatchi, Dr. M P Vaishnnave	Smart Bridge Pvt Ltd
14.	CSE	Dr. R. Aroul Canessane	BITS PILANI-WIPRO Technologies
15.	Centre for Drug Discovery and Development	Manigundan Kaari	Student Research
16.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	PrEl's Biotech India Private Limited
17.	Centre for Drug Discovery and Development	Dr.V.Gopikrishnan	Student Research Work
18.	Centre for Drug Discovery and Development	Dr.V.Gopikrishnan	Student Research Work

S.No	Department	Name of the Consultant	Name of the Client
19.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	PrEls Biotech India Pvt Limited, Chennai
20.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Suprathika Reddy
21.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Dr. S. Venkatesan, Periyar University
22.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Dr Saravanan, Chettinad Academy of Research and Education
23.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Jaishankar
24.	Centre for Climate Change Studies	Dr. Amit Kumar and Dr. S. Prakash	University of Wisconsin, Parkside, USA
25.	EEE	Dr.S.Radhika, Dr.G.T.Sundar Rajan	Ideal Sensors, Valasaravakkam, Chennai
26.	Physics	Dr.D.S.Jayalakshmi	Dawn Calorific Pvt Ltd
27.	Nursing	Mr.Dinesh	MGM Health Care
28.	Nursing	Mr.Dinesh	SMRC
29.	Nursing	Mr.Dinesh	ITD Cementation India Limited
30.	Nursing	Mr.Dinesh	Amalgamations Valeo Clutch Private Limited
31.	Nursing	Mr.Dinesh	Amalgamations Valeo Clutch Private Limited
32.	Nursing	Mr.Dinesh	APEX Structure Pvt. Ltd.
33.	Centre for Nanoscience and Nanotechnology	Dr. P. Vengatesh, Dr. P. Kuppusami	Raman Spectroscopy to various organizations
34.	Centre for Nanoscience and Nanotechnology	Dr. S. Anandh Jesuraj, Mr. B. Vigneshwaran, Dr. P. Kuppusami	X-ray Diffraction analysis
35.	Centre for Nanoscience and Nanotechnology	Dr. P. Kuppusami, Dr.D.Dinesh Kumar, Mr. Thangam	High Resolution Transmission Electron Microscope
36.	Centre for Nanoscience and Nanotechnology	Dr. Shyju T. S., Dr. P. Vengatesh	Hall effect Measurement system
37.	Chemical	Dr.A.Annam Renita	University of Wisconsin-Madison
38.	Centre for Waste Mnagement	Dr. P.Priyadharsini	Sree Aanchaneya industries
39.	Centre for waste management	Dr.Dawn S	Biodiesel plant visitor
40.	Centre for waste management	Dr.Dawn S	Mirai Research Solutions
41.	Centre for waste management	Dr.Dawn S	SHH Bio Energy, AP
42.	Centre for Waste Mnagement	Dr. P.Priyadharsini	Sree Aanchaneya industries
43.	Mechanical	Dr. S.Ganesan	Engine Testing centre

9 START-UPS ESTABLISHED DURING 2022-2023

S.No	Department	Name of the Start up	Name of the founder	Year of establishment
1.	Biomedical	Hinnovx Private Limited	Dr. P. Grace Kanmani Prince, Dr. Bethanne Janney, Yashwanth Rajasekaran, Dharanivasan, Mani Teja	2022
2.	ECE	Sashshiv J Tech. Pvt. Ltd., Chennai	N.M.Nandhitha, S.Emalda Roslin	2022
3.	ECE	Cloudmount Innovations Pvt. Ltd.	N.M.Nandhitha, S.Emalda Roslin	2022
4.	ECE	TeXPLO Embedded Solutions	T.Ravi, K.T.Ilayaraja, M.Sugudev	2022
5.	ECE	POOBAS Pvt. Ltd.	Poornapushpakala S, Barani S, Subramoniam M	2022
6.	CSE	V 6 Inventions LLP	Dr S Vigneshwari- Founder, Dr J Refonaa-Co Founder, Dr S L Jany Shabu- Co- Founder	2022
7.	CSE	BENX Solutions LLP	Dr Cruz Antony-Founder	2022
8.	CSE	Heuristic technology solutions	Mr P Harish-Founder, Ms Srinithi D- Manager	2022
9.	CSE	B12M2 Technologies Private Limited	Leela Venkata Manjunath Doddi	2022
10.	CSE	ATechodroid Solutions Private Limited	Mr.Abhishek Singh -Founder	2022
11.	CSE	CodeHexCopter Private Limited	Founders : Ms. S.Aishwarya, Ms. APS Vaishnavi, Mr. Arjun Dave, Ms. Khushi Kaushal, Mr. Akshay J	2022
12.	CSE	Zapx Finance Private Limited	Ms. Preethi Y – Co-Founder	2022
13.	CSE	Camp Eve Events Private Limited	Mr. Anurag Prasad – Co-Founder	2022
14.	CSE	Techsnap Educations LLP	Mr. Desamsetti Sai Pavan Saketh – Founder	2022
15.	CSE	B12M2 Technologies Pvt Ltd	Leela Venkata Manjunath Doddii	2022
16.	CSE	V 6 inventions LLP	Dr S Vigneshwari	2022
17.	CCCS	Glass Tank Sciences Private Limited	S. Prakash, Amit Kumar	2022

S.No	Department	Name of the Start up	Name of the founder	Year of establishment
18.	MBA	Hikayem Innovations Pvt Ltd	Dr.TR.Kalai Lakshmi, P.Suriya Vignesh	2022
19.	Startup Cell	TeXPLO Embedded Solutions LLP	Dr.M.Sugadev, Mr.K.T.Ilayarajaa, Dr.T.Ravi (Sathyabama Faculty Members)	2022
20.	Startup Cell	Whizz EduGamics LLP	Dr. Angel D, Dr. Nirmala M (Sathyabama Faculty Members)	2022
21.	Startup Cell	Jaali Innovations LLP	Anush S, Telferd Jude Nicholas Hawes, Dr. V Senthil Nayagam (Sathyabama Alumini & Faculty Members)	2022
22.	Startup Cell	Hinnovx Pvt Ltd	Dr. Grace Kanmani, Dr. Bethanne Janney, Dharanivasan,, Mani Teja Gurenka, Yaswant Rajasekaran, Ganesh, Mrs. Premalatha Jeyaraman (Sathyabama Students & Faculty Members)	2022
23.	Startup Cell	Nilavalam Agri Developers Pvt Ltd	Saravanan, Shathish Aswin, Kathavarayan (Sathyabama Faculty Member & External Members)	2022
24.	Startup Cell	V 6 Inventions LLP	Dr.Vigneshwari S, Dr.S.L.Jany Shabu, Dr.J.Refonaa, Dr.Sasikala (Sathyabama Faculty Members)	2022
25.	Startup Cell	Y R Media Pvt Ltd	Mr. A Edward Kennedy, Mr. Yuvaraj (Sathyabama Faculty Members)	2022
26.	Startup Cell	Scrapiers Cycles Pvt Ltd	Ramana.S, Mukesh Kumar .R, Rameshbabu A, Sudarsan.k (Sathyabama Students & Faculty Member)	2022
27.	Startup Cell	CampEve Events Pvt Ltd	Henry John, Tanvee Bandi, Anurag Prasad (Sathyabama Students)	2022
28.	Startup Cell	Benx Solutions LLP	Dr J Cruz Antony, Sangeetha K (Sathyabama Faculty Member & External Member)	2022

S.N o	Department	Name of the Start up	Name of the founder	Year of establishment
29.	Startup Cell	Heuristers Technology Solutions LLP	Harish B and GP Babu (Sathyabama Student and External)	2022
30.	Startup Cell	ZapX Finance Pvt Ltd	Sada M, Soumya P, Preethi Y (Sathyabama Students)	2022
31.	Startup Cell	ATechodroid Solutions Pvt Ltd	Abhishek Singh, Shivam Kumar, Divya Gaddhyan (Sathyabama Students)	2022
32.	Startup Cell	CodeHexCopter Technologies Pvt Ltd	S.Aishwarya, APS Vaishnavi, Arjun Dave, Aditi Jha, Khushi Kaushal and Akshay J (Sathyabama Students)	2022
33.	Startup Cell	Hikayem Innovations Pvt Ltd	Dr.TR. Kalai Lakshmi and Suriya Vignesh P (Sathyabama Faculty and External)	2022
34.	Startup Cell	Cloud Mount Innovations Pvt Ltd	Dr.V.Vijaya Baskar, Backialakshmi V (Sathyabama Faculty Member)	2022
35.	Startup Cell	Bhogam Agro Solutions Pvt Ltd	Dr. Sudha Uthaman, Prabakaran (Sathyabama Faculty Member)	2022
36.	Startup Cell	Kattela Scientific Pvt Ltd	K Chennakesavulu, G Ramanjaneya Reddy, Sreedevi Kattela (Sathyabama Faculty Members)	2022
37.	Startup Cell	Oviya Arts Pvt Ltd	Mr. A Edward Kennedy, Mr. Yuvaraj (Sathyabama Faculty Members)	2022
38.	Startup Cell	Raharsh Pvt Ltd	Dr. M V Rajeshwari, Mr. M V Ram prasad (Sathyabama Faculty and External Members)	2022
39.	Startup Cell	Penteum Enterprises Pvt Ltd	Dr. D.Ramachandran, Dr. Vinita Vishwakarma (Sathyabama Faculty and External Members)	2022
40.	Startup Cell	Poobas Pvt Ltd	Dr. Barani S, Dr. Poornapushpakala, Dr. Subramaniom (Sathyabama Faculty Members)	2022
41.	EEE	Solar Mosquito Power Guard With Cautions	Dr.V.Senthil Nayagam (Mentor), Anush.S (38140008), Telferd Jude Nicholas Hawes (38140058)	2022

S.No	Department	Name of the Start up	Name of the founder	Year of establishment
42.	EEE	Development of Electric Motor Bi-Cycle	Dr.A.Ramesh Babu (Mentor), Ramana (18SEE5016), Mukush Kumar (18SEE5010), Sudharsan K (18SEE5014)	2022
43.	EEE	Ingenious Octal Technologies Pvt Ltd Chennai	Dr.D.N.S Ravi Kumar	2022
44.	English	SMLSS Agro Pvt, Ltd. – HEMP	Mr. Senthil Kumar. S	2022
45.	Mathematics	Whizz EduGamics	Dr.M.Nirmala	2022
46.	Centre for Nanoscience and Nanotechnology	Kattela scientific PVT ltd	Chennakesavulu K, Ramanjaneya reddy G	2022
47.	Centre for Nanoscience and Nanotechnology	Bhogam Agro Solutions Private Limited	Dr. Sudha Uthaman	2022
48.	Centre for Nanoscience and Nanotechnology	Penteum Enterprises Private Limited	Dr. Ramachandran	2022
49.	IT	Fragmentum Ecosystem Private Limited	Yashswi Kaushik, Rahul Raj	2022
50.	Chemical	JASSP Enviro Tech Pvt Ltd	Dr.Sathish.S	2023
51.	Centre for Nanoscience and Nanotechnology	Chemmatnano Private Limited	G. Murugadoss	2023
52.	Startup Cell	AirTrigger Pvt Ltd	Dr.Anderson, Dr.Gobisaravanan, Dr.Nivin Joy, Mr.Vijay Pepakayala	2023
53.	Startup Cell	Chemmatnano Pvt Ltd	Dr.Murugadoss, Jayathi	2023

9.1 STARTUPS WHICH RAISED FUNDS FROM EXTERNAL AGENCIES

Startups funded through Government programs

Sl.no	Department	Name of the Startup	Name of the founder	Funding agency	Fund raised
1	Centre for Nanoscience and Nanotechnology	Dhaksha	Dr. Kumaran	Entrepreneurship Development and Innovation Institute - TN	1,60,000
2	Computer Science	V Six Invention LLP	Dr.Vigneshwari, Dr.S.L.Jany Shabu, Dr.J.Refonaa	Entrepreneurship Development and Innovation Institute - TN	1,97,600
3	Electronics & Communication Engineering	Cloud Mount Innovation Pvt Ltd	Dr.Vijaya baskar	Entrepreneurship Development and Innovation Institute - TN	1,96,000
4	Centre for Nanoscience and Nanotechnology	Bhogam Agro Solutions Pvt Ltd	Dr. Sudha Uthaman	Entrepreneurship Development and Innovation Institute - TN	1,75,200
5	Centre for Nanoscience and Nanotechnology	Kattela Scientific Private Limited	Dr. Chennakesavulu and G Ramanjaneya Reddy	Entrepreneurship Development and Innovation Institute - TN	2,00,000



10 Innovation Eco System

- Sathyabama Technology Business Incubator established with the support of DST – NSTEDB, has been supported under the Startup India Seed Fund Scheme, DPIIT, Ministry of Commerce, Govt. of India with a funding of Rs. 5.25 Crores to support Startups
- Sathyabama TBI is recognized by Tamil Nadu Startup Innovation Mission (Startup TN) and sponsored the visit to Israel to study the Innovation Ecosystem of Israel.
- The Centre for Innovation and Technology Transfer facilitated getting IVP (Innovation Voucher Programme) fund from the Entrepreneurship Development Innovation Institute, Tamil Nadu for 8 startups
- 9 products have received financial support for patenting under the Kalam Program for IP Literacy and Awareness (KAPILA) scheme of AICTE
- To enhance the Innovation Ecosystem, Sathyabama Innovation Council is established as a Section 8 company under the Companies Act, 2013, which has proven to be a launchpad for 34 promising startups, driving budding entrepreneurs on their journey to success
- SEED Grant is an initiative of Sathyabama management to support the faculty to kickstart their innovative research. This is an early-stage support grant of up to ten lakhs for two years, and interested faculty must usually apply against the call to be eligible for the SEED grant. The proposals submitted must be with innovative ideas and the grant supports proof of concept, prototype development and product trials. Preference will be given to the innovative solutions in the sectors such as Agriculture, Healthcare, Energy, waste management and the problem statements with social impact for the current scenario. 19 Innovative ideas were funded with the budget of Rs. 2900000 during the year 2022-2023.

10.1 MAJOR INNOVATIONS DURING THE YEAR

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
1.	CSE	Dr Veena K, Vikram Kumar. K	Machine Learning-Based Prediction Model for Eye Transplantation Outcomes Healthcare & Biomedical	Non Patented	First	Healthcare & Biomedical devices.
2.	CSE	Dr Veena K	Utilizing IBM Cloud for Effective Sorting of Waste Materials	Non Patented	First	Waste Management/Waste to Wealth Creation
3.	CSE	Dr Veena K	COVID 19 – after effects on Cyber security	Non Patented	First	Defence & Security
4.	CSE	Dr Veena K	Identity fraud : Identification and Prediction Using Machine Learning Techniques	Non Patented	First	Defence & Security
5.	CSE	Dr Veena K	Cybercrime identification utilising the lie detection technology and approaches to address it based on the EEG signal	Non Patented	First	Defence & Security
6.	CSE	Dr Veena K	Threats to machine learning security and solutions for novel cyber-physical applications	Non Patented	First	Defence & Security
7.	CSE	Dr S Vigneshwari	Garment Steamer	Patented	First	Smart Steaming Technological innovation for quick straightening of wrinkled documents

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
8.	EEE	M Kavitha	Text to Braille Converting Communication Device for the Visual and Hearing-Challenged Persons	Patented	-	<p>Communication plays a vital role in expressing one's feeling to another. People with vision and hearing impairment, find it difficult to communicate with one another. There are certain unique languages available for the deaf-blind people which includes tactile signing, Braille, moon etc. Among these methods, the most commonly preferred means of communication is Braille. Braille is a system developed to assist the visually and hearing-impaired person by creating arrangements of dots which form letters, numbers and punctuation marks. This paper proposes a communication device model which converts any alphanumeric English text to its corresponding Braille format that can be read by a Deaf-Blind person. The Deaf-Blind person can feel the characters by placing their palm on the Braille display unit.</p>

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
9.	CEER /CNS NT	Dr. Govindhasamy Murugadoss, Dr. Sasipraba Thankappan, Dr. Manavalan Rajesh Kumar, Dr. Anandhan, N, Dr. Rajasekar Mani	A System and Composition for Fabricating Pseudocapacitive Positive Electrodes for Aqueous Supercapacitor Applications	Patented	TRL 3	A System and Composition for Fabricating Pseudocapacitive Positive Electrodes for Aqueous Supercapacitor Applications. Improving conductivity and surface properties of SiO ₂ by decorating of suitable metal/metal oxides is a novel route to utilise the earth abundant silica for diverse application. Herein, we report highly uniform copper (Cu) and zinc oxide (ZnO) anchored SiO ₂ synthesised by facile sol-gel method. It has been clearly observed that the silica-based composites with improved physical and electrochemical performances will be considered as promising candidate for achieving high electrical energy storage capacitor as a positive electrode.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
10.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Kuppusami Parasuraman, Dr. Sunitha Salla, Dr. Dandu Shanmugam Jayalakshmi	A System for Synthesizing Tin (Sn)- Decorated Ferric Oxide (Fe ₂ O ₃) Nanoparticles for Electrochemical Determination of Hydrazine	Patented	TRL 3	The electroanalytical properties of Sn-decorated a-Fe ₂ O ₃ nanoparticles have been synthesized by a facile co-precipitation method and the obtained nanoparticles were successfully used for determination of hydrazine. The Sn/a-Fe ₂ O ₃ modified electrode also proves good reproducibility, long-term stability, selectivity and good antifouling properties. The Sn/a-Fe ₂ O ₃ modified electrode sensor successfully demonstrated the practical applicability for detection of N ₂ H ₄ in the real sample analysis

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
11.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Kuppusami Parasuraman, Mr. Viswanathan kanagasabai, Dr. Ramachandran Dasnamoorthy	A System for Preparing High Quality Electrochemical and Photocatalytic Silver Nanoparticles	Patented	TRL 3	This work presents a novel technique for the preparation of homogeneous Ag NPs and fabricated most efficient supercapacitor (SC) and ultrafast photocatalytic degradation of textile dyes. The particles size was controlled by using sodium borohydride (NaBH ₄) as a reducing agent and polyvinylpyrrolidone (PVP) as a stabilizing agent.
12.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Dr. Subhenjit Hazra, Dr. Shyju Thankaraj Salammal, Sathyabama Institute of Science and Technology, Dr. Kuppusami Parasuraman, Dr. Rajasekar Mani	A System for Decorating the ZnO Surface with Tiny Sulfide Based Nanoparticles for Improving the Photocatalytic Degradation Efficiency	Patented	TRL 3	The Ag ₂ S decorated ZnO achieved greatest photodegradation efficiency of 94.1% for degradation of the CV dye with rate constant value of 0.050. The highest catalytic activity may be related to Ag ₂ S acting a significant part in reducing bandgap and boosting hole, superoxide radical, and hydroxyl radical formation, which inhibits recombination, hence enhancing the photocatalyst's efficacy, activity, and also stability.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
13.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Mrs. Narthana Kandhasamy, Dr. Kamalan kirubaharan Amirtharaj Mosas, Dr. Kuppusami Parasuraman, Dr. Kaliaraj. Gobi Saravanan	A Device for preparing nanocomposites and analyzing ternary nanocomposites	Patented	TRL 3	A ternary nanocomposite developed by a facile chemical method without using any complicated instruments for photocatalytic application.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
14.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Rajesh Kumar Manavalan, Dr Anandhan Narayanasamy, Dr. Rajasekar Mani	A System for Developing a Solid-State Symmetric Supercapacitor by Using Graphene Derived Nickel-Copper Metal-Oxide Nanocomposite	Patented	TRL 3	In this invention, electrochemical supercapacitor of solid-state symmetric system using graphene derived nickel-copper metal-oxide nanocomposite have been developed and studied in detail. The heterostructure Graphene-nickel-copper nanocomposite have been synthesized via a facile hydrothermal route for battery-type supercapacitor device fabrication.
15.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Kuppusami Parasuraman, Dr. Sunitha Salla	A composition for synthesizing Ag doped CuO and SnO ₂ nanoparticles: Application on textile dyes removal	Patented	TRL 3	A composition for synthesizing Ag doped CuO and SnO ₂ nanoparticles: Application on textile dyes removal. In this work we developed novel Ag doped selective metal oxide nanocomposite for remediation of toxic organic pollutants.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
16.	CEER /CNS NT	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology	Solvent effect on structure and morphology of formamidinium lead tri- iodide perovskite via hydrothermal method	Patented	TRL 3	Formamidinium lead tri-iodide (FAPbI ₃) perovskite is a promising photovoltaic material due its narrow band gap and superior thermal stability. Herein, ligand-free high quality α -phase FAPbI ₃ perovskite prepared by a facile hydrothermal method is reported. The phase purity, morphology, size and optical absorption were controlled by different anti-solvents, namely chlorobenzene, diethyl ether and toluene.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
17.	CEER /CNS NT	Dr. Govindhasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Amirthalingam Mohankumar, Dr. Dinesh Kumar Devarajan, Dr. Sundararaj Palanisamy, Mr. Govindhan Thiruppathi, Dr. Sunitha Salla, Rajesh Kumar Manavalan, Dr Anandhan Narayanasamy	A System and Composition for Synthesizing Ce and Sn-Doped ZnS Nanoparticles for Photocatalytic Degradation	Patented	TRL 3	In this work we report Synthesizing of Ce and Sn-Doped ZnS Nanoparticles for Photocatalytic Degradation. Well crystalline nano powder developed using a novel chemical method and the proposed method is applicable for large-scale production.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
18.	CEER /CNS NT	Murugadoss Govindhasamy, Paul Joseph Daniel, Kovendhan Manavalan, Rekha Pachaiappan, Rathika Rajendran, Geetha Arunachalam, Divyadharshini Satheesh, Sathyabama Institute of Science and Technology	A System for Producing Copper Incorporated Tungsten Oxide Nanoparticles for Performing Photocatalytic Degradation and Seed Germination Studies	Patented	TRL 3	Preparation of the silica-based catalyst with controlled size is still limited, leading to the loss of the catalytic activity and reusability performance. Improving conductivity and surface properties of SiO ₂ by decorating of suitable metal/metal oxides is a novel route to utilise the earth abundant silica for diverse application. Herein, we report highly uniform copper (Cu) and zinc oxide (ZnO) anchored SiO ₂ synthesised by facile sol-gel method. The crystalline structure of SiO ₂ (amorphous), Cu (cubic) and ZnO (hexagonal) were confirmed by X-ray diffraction (XRD). Chemical composition and the oxidation state of the elements present in the composites were confirmed by X-ray photoelectron spectroscopy (XPS).

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
19.	CEER /CNS NT	Murugadoss Govindhasamy, Paul Joseph Daniel, Kovendhan Manavalan, Rekha Pachaiappan, Rathika Rajendran, Geetha Arunachalam, Divyadharshini Satheesh	Method for Performing Silver Decorated Graphitic Carbon-Ceria Nano-Composites for Ultrafast Photocatalytic Activity and Toxicity Evaluation	Patented	TRL 3	Method for Performing Silver Decorated Graphitic Carbon-Ceria Nano-Composites for Ultrafast Photocatalytic Activity and Toxicity Evaluation. Silver nanoparticles are successfully decorated on the raphitic Carbon-Ceria Nano-Composites for smooth charge carrier transfer and effective electron-hole production pair production.
20.	CEER /CNS NT	Murugadoss Govindhasamy, Dr. Sasipraba	Method for Development of Synthesis of Ni-Mn-S Decorated reduced Graphene Oxide Nanocomposite	Patented	TRL 3	This work is mainly focused on the synthesis of nickel-manganese-sulfide decorated with rGO nanocomposite (Ni-Mn-S/rGO) as an effective visible photo catalyst for degradation of textile toxic macro molecule dye. This work confirms that, it is an efficient approach for the dye degradation of textile dyes using sulfide-based Ni-Mn-S/rGO nanocomposite.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
21.	CEER /CNS NT	Murugadoss Govindhasamy, Dr. Sasipraba	Method for Development of Carbon Black- Graphite Composite with solid State Based Thiocyanate Electrode	Patented	TRL 3	Recently, CuSCN has been widely considered a promising candidate for low-cost and high-stable hole transport material in advanced solar cells. Herein, we report the design and fabrication of dye-sensitized solar cells using carbon-graphite counter electrode with combined solid-state based copper (I) thiocyanate (CuSCN). Lab synthesized TiO ₂ nanoparticle with size of ~ 30 nm and carbon black graphite composites (CG) paste were used for the all DSSCs device fabrication. The structural, morphological and compositional details were investigated using various characterization techniques. For construction of the efficient counter electrode, the conventional expensive platinum catalyst thin film was replaced by cost effective and stable solid-state based carbon-graphite-CuSCN layer.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
22.	CEER /CNS NT	Murugadoss Govindhasamy, Dr. Sasipraba, Mrs. Narthana Kandhasamy, Dr. Ravichandran Subramanian	Method For Performing Electrochemical Supercapacitive properties of CuO-Ni(OH) ₂ Nanocomposites By EC	Patented	TRL 3	The Cu ₂ O-Cu(OH) ₂ nanocomposite was successfully synthesized by a facile one step chemical precipitation method. The structure, morphology and optical properties of the Cu ₂ O-Cu(OH) ₂ nanocomposites were investigated using X-ray diffraction, SEM, TEM and UV-vis absorption spectroscopy. The visible-light driven photocatalytic activity was evaluated by the decolouration of crystal violet (Cv) using Cu ₂ O-Cu(OH) ₂ nanocomposites. This durable nanocomposite catalyst, with its excellent combination of Cu ₂ O and Cu (OH) ₂ nanoparticles is a promising catalyst for Cv degradation under visible-light irradiation.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
23.	CEER /CNS NT	Murugadoss Govindhasamy, Dr. Sasipraba, Dr. Sunitha Salla	Method for Performance of Facile Route of Heterostructure CeO ₂ -CuO Nanocomposite for Perovskite Solar	Patented	TRL 3	For the first time, the CeO ₂ -CuO was used as anode material for preparation low-temperature processing perovskite solar cells, results the power conversion efficiency (PCE) of 10.58% was achieved. The improvement in the device performance for the nanocomposite compared to the pure CeO ₂ , due to unique properties of CeO ₂ -CuO, including high hole mobility, good energy level alignment with CH ₃ NH ₃ PbI ₃ and longer life time of photo-excited carriers for facilitating the developments of industrial-scale perovskite solar cells.

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
24.	CEER /CNS NT	Murugadoss Govindhasamy, Dr. Sasipraba, Dr. Manjunath Srinivas Kamath	Method for Ultrafast Photodegradation of Textile Industry Dyes using Efficient Sulfide Based Ternary	Patented	TRL 3	<p>We developed novel zinc-cadmium-bismuth sulfide (Zn–Cd–Bi₂S₃) and Zn–Cd–SnS nanocomposites to fabricate a heterojunction by an easy chemical technique to improve photocatalytic degradation of textile dye. Crystalline size and lattice parameter are analyzed using X-ray diffraction (XRD) spectrometer. Thermal property of the nanocomposite is studied by thermogravimetric–differential thermal analysis (TG–DTA) at air atmosphere. We examine and compared the photocatalytic activity of Zn–Cd–Bi₂S₃ and Zn–Cd–SnS nanocomposites for the crystal violet (CV) dye. Under the sun light irradiation Zn–Cd–Bi₂S₃ nanocomposite demonstrated a highest percentage of degradation (88.5%) within a short period (120 min). The obtained photocatalytic results indicate that the active radicals •O₂⁻, h⁺, and •OH are favourable for the photocatalytic reaction. A possible photocatalytic mechanism for the dye degradation for the photo catalyst is proposed. Due to the narrow band gap, wide range of incident light</p>

S.No.	Department	Name of the innovators	Title of the innovationn	Patented/ Non Patented	TRL Level	Brief Description about the Product/Technology
25.	CEER /CNS NT	Shyju Thankaraj Salammal,		Patented	TRL 4	The quaternary chalcogenides are wide photo absorber in solar cells, effectively used in thin film solar cells. The mechano synthesis has a lot of advantages which includes low cost & simple process, simple route to produce compound semiconductors, high purity, high yield, solvent free compounds, and room temperature preparation. The energy band gap of 1.5 eV can be used to construct semiconducting thin film solar cells and thermoelectric devices since the crystal structure of the synthesized compound is a tetragonal crystal system in (112) orientation with space groups (I42m) and (I4). This invention focusses more on the single phase composition of the Kesterite structure of quaternary chalcogenides
26.	CNS NT			Non Patented		A study on development of silicone rubber with conductive carbon, polyaniline, MWCNT composite for EMI shielding

11 MOUs

11.1 NATIONAL / INTERNATIONAL UNIVERSITIES 2022 – 2023

File S.No	Name of the Organisation/University	Signed On
1.	Saint Louis University, USA	14/06/2022
2.	University of West Georgia, USA	22/06/2022
3.	UGC-SVU Centre for MST Radar Applications, S V University, Tirupati	13/07/2022
4.	Taylor's University, Malaysia	18/08/2022
5.	Private University of Management and Technology, Germany	18/08/2022
6.	Centro Universitario Christus, Brazil	07/10/2022
7.	University of Buea, Cameroon	01/11/2022
8.	University of Boras, Sweden	01/11/2022
9.	Universita Degli Studi Internazionali Di Roma(UNINT), Italy	22/11/2022
10.	West Minister College, London	07/12/2022
11.	Universiti Malaysia Sabah(UMS), Malaysia	12/01/2023
12.	Institut Teknologi dan Bisnis Asia Malang, Indonesia	15/02/2023
13.	Research Institute of Modern Organic Agriculture (RIMOA), Faculty of Agricultural Technology, King Mongkut's Institute of Technology, Ladkrabang (KMITL), Bangkok, Thailand	27/03/2023
14.	HEPL- The University College of the Province of Leige, Belgium	31/03/2023
15.	Universidad Nacional de San Martin, Argentina	24/04/2023

11.2 NATIONAL / INTERNATIONAL INDUSTRIES 2022 – 2023

S.No	Name of the Organisation/University	Signed On
1.	Mirai Reserch Solutions	06/06/2022
2.	Sree Anchaneya Industries	06/06/2022
3.	AER Worldwide India Private Limited	06/06/2022
4.	Telecommunications Consultants India Limited(TCIL)	14/06/2022
5.	Institute of Industrial Design	29/06/2022

S.No	Name of the Organisation/University	Signed On
6.	NativeLead Foundation	29/06/2022
7.	Indian Council of Medical Research (ICMR)	30/06/2022
8.	Fish Immunology Laboratory	01/07/2022
9.	M/S Capecom Engineering PVT Ltd	11/07/2022
10.	Dautya Aerospace Pvt. Ltd.	26/07/2022
11.	Aeronautical Sector Skill Council (ASSC)	03/08/2022
12.	Jet Aerospace Aviation Research Center	03/08/2022
13.	National Biodiversity Authority	23/08/2022
14.	Fish Immunology Laboratory, CASMB-AU, Parangipettai, Tamil Nadu	23/08/2022
15.	Deepam Hospitals	22/09/2022
16.	Life Senz Cancer Research Labs, Mumbai	26/09/2022
17.	Neelithal Aqua Farms	15/10/2022
18.	National Entrepreneurship Network	15/10/2022
19.	MGNCRE - Mahathma Gandhi National Council for Rural Education, Ministry of Education - GOI	03/11/2022
20.	Kriatec Sevices (P) Limited	09/11/2022
21.	Construction Management Training Institute (CMTI)	14/11/2022
22.	Inventus BioEnergy Private Limited	14/12/2022
23.	ISRO Telemetry Tracking and Command Network (ISTRAC)	16/12/2022
24.	ICAR - Indian Institute of Rice Research (IIRR), Hyderabad	16/12/2022
25.	Hiyoshi India Ecologicals Pvt. Ltd	20/12/2022
26.	Astamin Biotech	03/01/2023
27.	Casagrand Private Limited	07/01/2023
28.	Kauveri Hospitals	15/02/2023
29.	RoboRam	17/02/2023
30.	ICAR - National Research Centre for Banana	01/03/2023
31.	Suvik Technologies LLC, Dubai	02/03/2023
32.	Robotics and deep learning center of Excellence Industry 4.0	06/03/2023

S.No	Name of the Organisation/University	Signed On
33.	Shrimp Care Solutions	15/03/2023
34.	MUSEE Musical School of Music, Trinity College, London.	16/03/2023
35.	SG ERP Digital Solution Private Ltd.	28/03/2023
36.	Indian Spectro Physics Association	28/03/2023
37.	Chennai Supreme Techno Research Clinic	13/05/2023
38.	ExcelR Solutions	26/05/2023
39.	Suma Agro India Private Ltd	01/06/2023
40.	Csoft Technologies	2023

12 INTERNATIONALISATION

12.1 ACADEMIC COLLABORATIVE ACTIVITIES DURING THE YEAR

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Year & Department	Nature of the activity
2022	University of Texas, Dallas, USA	Naganjan Kumar	II CSE - AI	Internship Programme
2022	University of Texas, Dallas, USA	Karthikheyaa Kurra	II CSE	Internship Programme
2022	University of Texas, Dallas, USA	Nethra Balaraman	III ECE	Internship Programme
2022	University of Texas, Dallas, USA	Kailash SV	III MECH	Internship Programme
2022	MAHSA University, Malaysia	Aadhitya S	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Fazila A	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Najeeba M	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Ponni S	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Saraswathi .B	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Srivari Mukunth	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Tejaswini S	III Biomedical	Internship Programme
2022	MAHSA University, Malaysia	C. Angelin Winslet	II Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Manasa V	II Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Mathangi B	II Biomedical	Internship Programme

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Year & Department	Nature of the activity
2022	MAHSA University, Malaysia	Prakkrith.V	II Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Raghul.A	II Biomedical	Internship Programme
2022	MAHSA University, Malaysia	Renny Valentina	II Biomedical	Internship Programme
2022	MAHSA University, Malaysia	K. Jananitha	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Muthu Bharath T	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Noel Richard Prakash. L	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	D.Rajalakshmi	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	R. Sanjay Preeth	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Sathiyasree M	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Winnie Prahelika W	III Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Haritha.S	II Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Rizwan Ahamed N	II Biotechnology	Internship Programme
2022	MAHSA University, Malaysia	Harshaa Rajabalakumar	I Biotechnology	Internship Programme
2022	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Lokeshwari A	II MBA	Short term Certificate Course
2022	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Gopu Lekha G	II MBA	Short term Certificate Course
2022	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Munusamy Munish	II MBA	Short term Certificate Course
2022	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Ravi Karthik	II MBA	Short term Certificate Course
2022	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Tharun Raju	II MBA	Short term Certificate Course
2022	University Malaysia Pahang, Malaysia	Prasema Femi Grace P W	III IT	Semester Abroad Programme
2022	University Malaysia Pahang, Malaysia	Shanmukha Sree Patchigolla	III CSE	Semester Abroad Programme

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Year & Department	Nature of the activity
2022	University Malaysia Pahang, Malaysia	Lawrence G	IV MECH	Semester Abroad Programme
2022	University Putra Malaysia, Malaysia	R Sanjay Preeth	IV Biotechnology	Semester Abroad Programme
2022	University Putra Malaysia, Malaysia	Noel Richard Prakash L	IV Biotechnology	Semester Abroad Programme
2022	MAHSA University, Malaysia	Darshayani A/P Ganesan	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Christopher Anthony Nixon Ramesh	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Fathimath Mae Aslam	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Maheishinii Grace A/P M Sebastian	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Meilarshny A/P Kalai Selvan	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Rubaiyat Siddique Diba	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Sultana Shirin	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Fathimath Hishma Hassan	Biotechnology	Student Exchange Programme
2022	MAHSA University, Malaysia	Yogeswary A/P Maiyalagan	Biotechnology	Student Exchange Programme
2022	Daffodils International University, Bangladesh	Aktaruzzaman Siddiquei	Computer Science	Semester Abroad Programme (Inbound)
2022	Mahsa University, Malaysia	Dr. M. Bavani Latha	Biotechnology	Faculty Exchange Programme
2022	Mahsa University, Malaysia	Dr. Usha Nandhi	Biotechnology	Faculty Exchange Programme
2022	Wszechnica Polska University in Warsaw, Poland	Dr. D. Velumoni	Management Studies	Erasmus Plus Staff Mobility Programme funded by the European Union
2022	Wszechnica Polska University in Warsaw, Poland	Dr. J. Rani	Management Studies	Erasmus Plus Staff Mobility Programme funded by the European Union
2022	Transilvania University of Brasov, Romania	Dr. A. Chitra Devi	Management Studies	Erasmus Plus Virtual Staff Training Mobility

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Year & Department	Nature of the activity
2022	Transilvania University of Brasov, Romania	Dr. Preethi Sheshadri	Management Studies	Erasmus Plus Virtual Staff Training Mobility
2022	University of Westminster, London	Prof Dr. Kanagaraj	Center for Drug Discovery and Development	Adjunct Professor
2022	Saint Louis University, USA	Dr. Palash Bera	School of Computing	Guest Talk on "Artificial Intelligence, Data Science, and Data Analytics: Opportunities for the Future"
2022	Trencianska univerzita Alexandra Dubceka v Trencine	150 participants from various institutions		International Conference on Advancements in Materials Science and Technology
2022	Taylor's University, Malaysia	Dr. Chokkalingam Aravind	School of Computing	International Seminar on Design Thinking
2022	Kansas State University	Ar. Mark George	School of Computing	Guest talk on "Low Cost Housing Technologies for a Developing World: Lessons learnt from Africa"
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	L. Priyadharshini	II B.Sc Viscom	Short term Certificate Course
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	R. Deva Amirtha Priya	II B.Sc Viscom	Short term Certificate Course
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Teffina Daniel	II B.Sc Viscom	Short term Certificate Course
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Swathi Nirmal Kumar	II B.Sc Viscom	Short term Certificate Course
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Avvai Krithika Harini. VA	II B.Sc Viscom	Short term Certificate Course
2023	University Malaysia Pahang	Dhivakaran. P	I MBA	Semester Abroad Programme
2023	University Malaysia Pahang	Arvindha Swami D.R	I MBA	Semester Abroad Programme

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Year & Department	Nature of the activity
2023	University Malaysia Pahang	Arthy.J	II B.Com	Semester Abroad Programme
2023	University Malaysia Pahang	Korlepara Aditya Naga Lakshmi Venkat	III MECH	Semester Abroad Programme
2023	University Technology MARA	Ramsai S	IV ARCH	Semester Abroad Programme
2023	University Technology MARA	Dharun Raj. V	IV ARCH	Semester Abroad Programme
2023	Wszechnica Polska Academy of Applied Sciences, Poland	Sandra Chandran P S	II M.A English	Erasmus Plus Student Mobility Programme funded by the European Union
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	M. Ashwin	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	S. Akash Kumar	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	M. A Manish Adhithya	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Malavika Rajesh Nair	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Sai Karthik A	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Srimathi S	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Seethalakshmi D	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Mohamed Shami A	I B.Sc Viscom	International Workshop
2023	Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI Malang), Indonesia	Vishwa G	I B.Sc Viscom	International Workshop
2023	Powislanski University, Poland	Dr. Dhivya Sathish	Management Studies	Erasmus Plus Staff Mobility Programme

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Year & Department	Nature of the activity
2023	Powislanski University, Poland	Dr. M Lavanya	Management Studies	Erasmus Plus Staff Mobility Programme
2023	National University of Singapore, Singapore	150 participants from various institutions	Center for Drug Discovery and Development	International Conference on Translational Research on Drug Discovery and Development for Sustainable Healthcare

12.2 FACULTY EXCHANGE PROGRAMME (OUTBOUND)

Sathyabama Institute of Science and Technology offers opportunity for Staff members to participate in the Faculty Exchange Programme with Foreign universities. The objective of this programme is to provide broader experience to faculty members by teaching in different environments and interacting with colleagues in various institutions.



Our Faculty @MAHSA University, Malaysia



Our Faculty @ Wszecnica Polska Academy of Applied Sciences in Warsaw, Poland



Our Faculty @ Powislanski University, Poland

12.3 FACULTY EXCHANGE PROGRAMME (INBOUND)

Our Adjunct Professor Dr. Kanagaraj Radhakrishnan, from the University of Westminster, London, visited our Institution and taught our students. He interacted with our faculty members, and the visit enabled us to learn the best practices from each other's Institution. We have also received professors and scientists from various Universities to our Research Centres on various research projects.



Dr. Kanagaraj Radhakrishnan from the University of Westminster,
London



Research Fellow from Cameroon under DBT-TWAS Postgraduate Fellowship Programme

12.4 STAFF FELLOWSHIPS

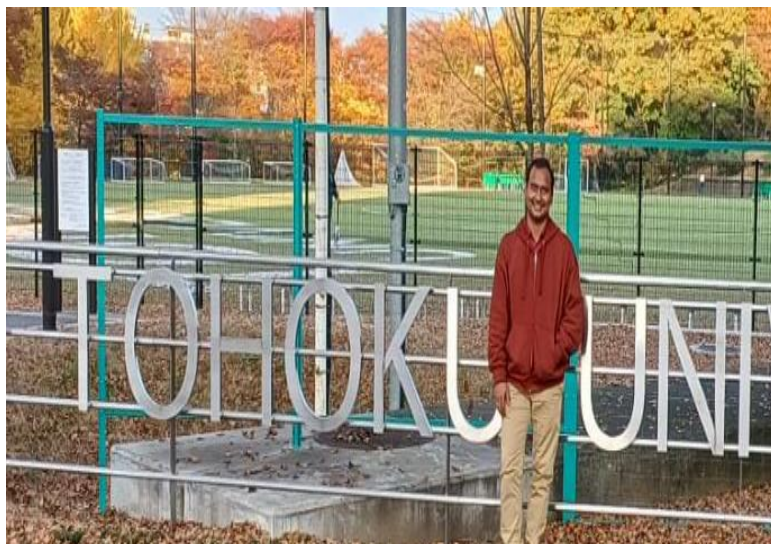
S.No	Department	Scientist/ Faculty Name	Name of the fellowship/ scheme	Name of the Institute with country name	Duration
1.	Centre for Ocean Research	Dr. V. Karthick	Takeda Science Foundation Fellowship	Work in NIMS, Japan	1 Year
2.	Centre for Ocean Research	Dr.J.Baalamurugan	TNSCST-Young Scientist Fellowship	IIT, Hyderabad, India	2 Months
3.	Periodontics	Dr. Shifa Fathima Shajahan	Fellow - Royal Society for Public Health	Royal Society for Public Health - United kingdom	NA
4.	BTE	Dr.M.Bavanilatha	Mahsa University Staff Exchange	MAHSA University, Malaysia	25th July22 - 5th Aug 22
5.	BTE	Dr.M.Usha Nandhini	Mahsa University Staff Exchange	MAHSA University, Malaysia	25th July22 - 5th Aug 22
6.	CSE	Dr. K Ashok Kumar	Online Faculty Exchange	University of Buea, Cameroon	3 months
7.	CSE	Mr. Murali D Kamalesh	Online Faculty Exchange	University of Buea, Cameroon	3 months
8.	MBA	Dr.J.Rani	Erasmus + STA Scholarship	Wsztechnica Polska University, Warsaw, Poland	25.07.2022 to 30.07.2022
9.	MBA	Dr. D.Velumoni	Staff Mobility for Teaching Assignments	Wsztechnica Polska Academy of Applied Sciences, Warsaw	25.07.2022- 29.07.2022
10.	MBA	Dr. Dhivya Sathish	Erasmus+ Funding	Powislanki University, Kwidzyn, Poland	16.05.2023 to 20.05.2023
11.	MBA	Dr.Lavanya	Erasmus+ Funding	Powislanki University, Kwidzyn, Poland	16.05.2023 to 20.05.2023
12.	CEER/CNSNT	Dr. Gopika G	Teachers Associateship for Research Excellence	DST SERB	3 years
13.	Centre for Nanoscience & Nanotechnology	Dr. Subhenjit Hazra	INSA Visiting Scientist	University of Calcutta, India	01/08/2022 to 28/10/2022
14.	IT	Dr.R.Subhashini	IASc-INSA-NASI Summer Research Fellowship	IIT Bombay	2 months
15.	CIVIL	J. Vanjinathan	Faculty Exchange Program	UTM, Malaysia	5 months

STAFF FELLOWSHIPS



Dr. J. Theerthagiri from the Center for Nanoscience and Nanotechnology has received Korean Research Fellowship (KRF) and is currently doing his Research work in Gyeongsang National University, South Korea for the duration from Aug 2019 to Dec 2023.

Dr. C Maharshi Bhaswant from Center for Nanoscience and Nanotechnology has received JSPS Post-Doctoral Fellowship and is currently doing his Research work Tohoku University, Japan from 2022 - 2024.



Dr. Kamalan Kirubaharan from Center for Nanoscience and Nanotechnology has received JSPS Post-Doctoral Fellowship and is currently doing his Research work Alexander Dubcel University of Trencin, Slovakia from 2022 - 2024.

Mr. J Vanjinathan from the Department of Civil Engineering has received UTM Research Internship and visited University Technology Malaysia (UTM), Malaysia from 6th July 2022 to 6th December 2022



Mr. Manigandan from the Department of Mechanical Engineering has received Research Internship and visited United Arab Emirates University, UAE for a period of 7 months.

Dr. N Kannan, Dr. G. Bhuvaneshwari, Dr. TR. Kalailakshmi, Dr. Dhivya Sathish from School of Management Studies and Dr. Yovan Felix and Dr. M. Gowri from School of Computing has attended 4th FRACTION Project Management Board Meeting cofounded by Erasmus + fund. The 1st Phase was held in University of Transport and Communications (UTC), Vietnam and 2nd Phase in University of Engineering and Management (UEMK), Kolkata.



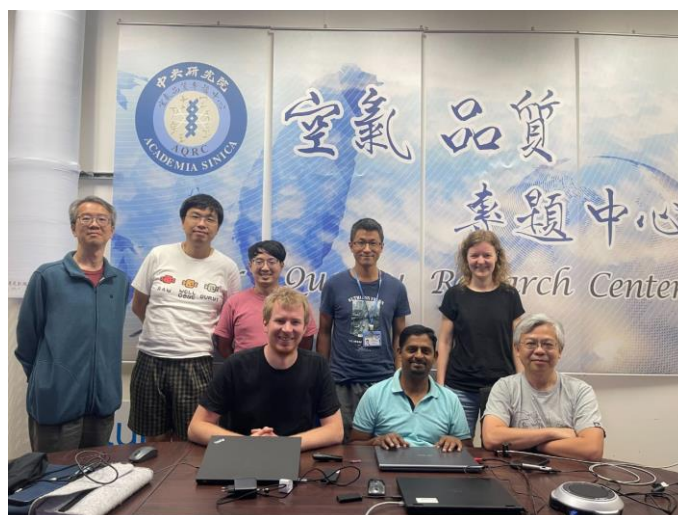
Mr. V Balachandar from Center for Nanoscience and Nanotechnology participated and presented a talk in the Young Research Session at 11th Conference on Broadband Dielectric Spectroscopy and its Applications – BDS2022 which took place in San Sebastian, Spain from 4th to 9th September 2022.

Dr. Amit Kumar from Centre for Climate Change Studies received International Travel Grant participate and presented a talk in the 5th International Conference on High CO₂ World, which took place in Peru on 3rd October 2022.



Dr.V.Gopikrishnan from Centre for Drug Discovery and Development visited King Mongkut's Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand and received AATSEA Outstanding Leadership award in Research and Development in 10th International Conference on Integration of Science and Technology for Sustainable Development 2022 (10th ICIST 2022) on 25th November 2022.

Dr Mekalathur Roja Raman from Centre for Remote Sensing and Geoinformatics received International Travel Grant to participate in Training Course and field Campaign on Multi-Axis Differential Optical Absorption Spectroscopy (MAX-DOAS) organized by Academia Sinica, Taiwan from 12th June to 1st July 2023.





Dr. K. Manigundan from Centre for Drug Discovery and Development participated in Indian Arctic Expedition Summer 2023 organized by National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Science in the month of July 2023.

12.5 RESEARCH COLLABORATION

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
1.	Biomedical	Dr.S Krishnakumar	Bishop Moore College	Research papers
2.	Biomedical	Dr. Bethanney Janney	Saveetha Institute of Science and Technology	Research papers
3.	Biomedical	Ms. A Sabarivani	Symbiosis Institute of Technology, Pune Campus,	Research papers
4.	Biomedical	Dr. T Sudhakar	Mohan Babu University	Research papers
5.	Biomedical	Dr. T Sudhakar	Saveetha Institute of Science and Technology	Research papers
6.	Biomedical	Dr. J Premkumar	Saveetha Institute of Science and Technology	Research papers
7.	Centre for Ocean Research	Dr. D. Inbakandan	IGCAR, Kalpakkam	Collaborative project
8.	Centre for Ocean Research	Dr. D. Inbakandan	NCCS, Pune	Collaborative project
9.	Centre for Ocean Research	Dr. D. Inbakandan	BOBP	Collaborative initiative
10.	Centre for Ocean Research	Dr. D. Inbakandan	IUCN-CEM	International Collaborative initiation
11.	Centre for Ocean Research	Dr.T.Stalin Dhas	MAHSA University, Malaysia	Research article
12.	Centre for Ocean Research	Dr.V.Karthick	NIMS, Japan	Research article
13.	Centre for Remote Sensing and Geoinformatics	Dr. M. Venkat Ratnam	National Atmospheric Research Laboratory, Gadanki, India	International Workshop
14.	Centre for Remote Sensing and Geoinformatics	Dr. V. Ravi Kiran	National Atmospheric Research Laboratory, Gadanki, India	Publication

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
15.	Centre for Remote Sensing and Geoinformatics	Dr Wei Nai Chen	Research Centre for Environmental Changes, Academia Sinica, Taipei, Taiwan.	Publication
16.	Centre for Remote Sensing and Geoinformatics	Dr. S.K. Pramada and Dr. Arun Kumar, Department of Civil Engineering	NIT Calicut	Journal Publication
17.	Centre for Remote Sensing and Geoinformatics	Dr. S. Mohan, Department of Civil Engineering	IIT Madras	Journal Publication
18.	Centre for Remote Sensing and Geoinformatics	Dr. S. Mohan, Department of Civil Engineering	IIT Madras	Book chapter Publication
19.	Centre for Remote Sensing and Geoinformatics	Dr. Roshan Srivasthav	IIT Thirupathi	Workshop
20.	Centre for Remote Sensing and Geoinformatics	Dr. S.K. Pramada, Department of Civil Engineering	IIT Madras	Workshop
21.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Mongolian University of Science and Technology	Supporters for the International Conference
22.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Mongolian University of Science and Technology	Book Chapter (Elsevier Publication)
23.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	Bharathi Women's College	Publication
24.	Centre for Remote Sensing and Geoinformatics	Dr.K.Nagamani	SRM Institute of Science and Technology	Publication
25.	Oral Pathology	Dr. Khadijah Mohideen	Meenakshi Ammal Dental College	Scientific Publication

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
26.	Oral Pathology	Dr. Khadijah Mohideen	Adayar Cancer Institute	Scientific Publication
27.	CSE	Dr S Vigneshwari	University of BUEA	Online Guest lectures, Online Project Guidance
28.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan and Dr. K. Manigundan	CSIR-National Chemical Laboratory, Pune	Joint publication
29.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Periyar University	Joint project and Publication
30.	Centre for Drug Discovery and Development	Dr. V. Gopikrishnan	Association of Agricultural Technologists of South East Asia, Thailand	Joint Publication
31.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan and Dr. K. Manigundan	National Centre for Polar and Ocean Research	Joint project and Publication
32.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	ICMR- National Institute for Research in Tuberculosis	Joint publication
33.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	Graphic Era Deemed to be University	Jointly exploring actinobacteria from Himalayan Glaciers
34.	Centre for Drug Discovery and Development	Dr.V.Gopikrishnan	Research Institute of Modern Organic Agriculture (RIMOA), Faculty of Agricultural Technology, King Mongkut's Institute of Technology, Ladkrabang (KMITL), Bangkok, Thailand	Publication
35.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	University of Westminster, London, UK	Journal Publication
36.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	University of Westminster, London, UK	Journal Publication

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
37.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	Indian Institute of Technology Madras	Collaborative work
38.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	Instem, Bangalore	ICMR Collaborative Project
39.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	Indian Institute of Space Science and Technology, Trivandrum	Collaborative work
40.	Centre for Climate Change Studies	Dr. S. Prakash	Zoological Survey of India	Publication
41.	Centre for Climate Change Studies	Dr. S. Prakash	ICAR-NBFGR	Publication
42.	Centre for Climate Change Studies	Dr. S. Prakash	Clemson university	Publication
43.	MBA	Dr.TR.Kalai Lakshmi (Project coordinator)	Wrocklaw University, Poland	Erasmus+ Funded Project for the launch of Centre of Teaching excellence and PGPTE programme on Tutoring in Higher Education
44.	EEE	C. T. Manikandan, G. T. Sundarrajan, V. Gokula Krishnan, Isaac Ofori	Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS). Department of Environmental and Safety Engineering, University of Mines and Technology, Ghana	Performance Analysis of Two-Loop Interleaved Boost Converter Fed PMDC-Motor System Using FLC Published in Hindawi Mathematical Problems in Engineering

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
45.	EEE	M SivaramKrishnan, A R Rajini, K Logu, M Kumarasamy, S Jayaprakash, R Rubia Gandhi, M Siva Ramkumar	Department of EEE, Karpagam College of engineering, India, Department of Electronics and Communication Engineering, Sri Sairam Engineering College, India. Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai. Department of Computer Science, College of Engineering and Technology, Wollega University, Ethiopia. Dept of EEE, Sri Ramakrishnan Engineering College, India. Dept of EEE, Karpagam Academy of Higher Education, India.	Leaf Disease Identification Using Machine Learning Models Published in AIP Conference Proceedings

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
46.	EEE	S Sundar, R Vidyalakshmi, R Suresh, N Subalakshmi, T Ganesh, S Jayaprakash	Department of Electrical and Electronics, Bannari Amman Institute of Technology, Sathyamangalam. Department of Electrical and Electronics, Karpagam College of Engineering, Coimbatore. Department of Electrical and Electronics, Kongu Engineering College, Tamilnadu. Department of Electrical and Electronics, Sri Krishna College of Engineering & Technology, Coimbatore. Department of Mechanical Engineering, Sri Sairam Engineering college, Chennai.	An Effective Implementation of a Three Phase Multilevel Inverter for Electric Vehicle Published in AIP Conference Proceedings
47.	EEE	Raamesh L., Jothi S., Radhika S.	St. Joseph's College of Engineering, Chennai, India	Enhancing Software Reliability and Fault Detection Using Hybrid Brainstorm Optimization-Based LSTM Model Published in IETE Journal of Research

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
48.	EEE	Raamesh L., Radhika S., Jothi S.	St. Joseph's College of Engineering, Chennai, India	Generating Optimal Test Case Generation Using Shuffled Shepherd Flamingo Search Model published in Neural Processing Letters
49.	EEE	S. Radhika, F. Albu, A. Chandrasekar	Department of Electronics, Valahia University of Targoviste, Romania. Department of Computer Science and Engineering, St. Joseph's College of Engineering, Chennai.	Robust Exponential Hyperbolic Sine Adaptive Filter for Impulsive Noise Environments published in IEEE Transactions on Circuits and Systems--II: Express Briefs
50.	EEE	Raamesh L., Radhika S., Jothi, S	St. Joseph's College of Engineering, Chennai, India	A cost-effective test case selection and prioritization using hybrid battle royale-based remora optimization published in Neural Comput & Applic
51.	EEE	Raamesh L., Jothi S., Radhika, S	St. Joseph's College of Engineering, Chennai, India	Test case minimization and prioritization for regression testing using SBLA-based adaboost convolutional neural network published in J Supercomput

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
52.	EEE	A. Santhi Mary Antony, M. Kavitha, V. Meenakshi, D. Godwin Immanuel, G.T. Sundar Rajan	Loyola-ICAM College of Engineering and Technology, Chennai, Department of EEE, Vignana Bharathi Institute of Technology, Hyderabad	High Voltage Gain Circuit for DC Bus Integration in Renewable Energy System Implemented by Interleaved Re-boost Converter published in 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems
53.	EEE	M. Kavitha, K. Ragul Kumar, S. Kaliappan, G. Ramakrishnan, M. Kumarasamy, Balachandra Pattanaik, M. Sivaramkrishnan	Department of Electrical and Electronics Engineering, SRM Valliammai Engineering College, Chennai, Department of Electrical and Electronics Engineering, Kumaraguru College of Technology, Coimbatore, Department of Mechanical Engineering, Sri Sairam Engineering college, Chennai, Department of Computer Science, College of Engineering and Technology, Wollega University, Ethiopia	High voltage gain AC-DC one stage converter for a DC drives with ZVT published in AIP Conference Proceedings

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
54.	EEE	Nirmal Raj, Senthil Perumal, Sanjay Singla, Girish Kumar Sharma, Shamimul Qamar, A. Prabhu Chakkaravarthy	SRM Institute of Science & Technology, Chennai. UIE CSE Chandigarh University, Punjab. Department of Computer Applications, Bhai Parmanand DSEU Shakarpur Campus-II (A Constituent Campus of Delhi Skill and Entrepreneurship University) GNCT of Delhi, Delhi. Computer Science & Engineering Department, College of Sciences & Arts, Dhahran Al Janoub Campus 64261 King Khalid University, Kingdom of Saudi Arabia, (KSA). Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai	Computer aided agriculture development for crop disease detection by segmentation and classification using deep learning architectures published in Computer and Electrical Engineering

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
55.	EEE	Nattar Kannan Kaliappan, Saravanan Thapasimuthu Rajeswari, Prabakar Dakshinamoorthy, Nirmalraj Sundararaju, Ramesh Sundar	Department of Artificial Intelligence and Machine Learning, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai. Department of Computational Intelligence, SRM Institute of Science & Technology, Chennai. Department of Computer Science Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai	Intelligent video surveillance using enhanced deep belief based multilayered convolution neural network classification techniques published in The Photogrammetric Record

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
56.	EEE	V. Senthil Nayagam, K. Geetha, R. Vallikannu, Suresh Kumar Muthuvel, G. Chinna Ram, Parul Gupta, M. Sudhakar, V. Mohanavel, Ravishankar Sathyamurthy	Dean-Academics & Research, JCT College of Engineering and Technology, JCTCET, Coimbatore. Department of ECE, Hindustan Institute of Technology and Science, Tamil Nadu. Institute of Electronics and Communication Engineering, Saveetha School of Engineering, Saveetha University. Department of Physics, Aditya Engineering College, Andhra Pradesh. Department of Mechanical Engineering, B. N. College of Engineering & Technology, Lucknow. Department of Mechanical Engineering, Sri Sairam Engineering College, Tamil Nadu. Centre for Materials Engineering and Regenerative Medicine, Bharath Institute of Higher Education and Research, Tamilnadu. Department of Mechanical Engineering, KPR Institute of Engineering and	Energy efficient tubular solar still for augmented yield using electrical heater published in Energy Reports Journal

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
57.	EEE	P. Abirami, K.R.Shanmuga Vadivu, R.Hannah Lalitha, M. Pushpavalli, P. Sivagami		Harmonic Comparison of 10 Bus Loop and Radial Distribution Networks published
58.	EEE	M. Pushpavalli, D. Susitra, P. Sivagami, M. Kavitha, C. Bhuvanewari, W. Abitha Memala	B S Abdur Rahman Crescent Institute of Science and Technology	PLC based ATS Working with Load Sensing of Power Generator published in 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)
59.	EEE	P. Abirami, K. R.Shanmuga Vadivu, R.Hannah Lalitha, M. Pushpavalli, P. Sivagami	B S Abdur Rahman Crescent Institute of Science and Technology	SMC Controlled SAF for Reduction of Harmonics in DN published in 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)
60.	EEE	M. Pushpavalli, N. M. Jothi Swaroopan, R. Harikrishnan, P. Abirami, P. Sivagami, V. Geetha, M. Kavitha	R.M.K Engineering College, Chennai. Symbiosis International Deemed University, Pune. Assistant Professor, B. S. Abdur Rahman, Crescent Institute of Science and Technology, Chennai	Closed-Loop Analysis of Multi-input KY Boost Converter Applying Fuzzy Logic Controller published in Smart Energy and Advancement in Power Technologies

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
61.	EEE	Dr. A.Santhi Mary Antony, Dr.V. Meenakshi, Dr.D. Godwin Immanuel, Dr.G.T. Sundar Rajan, Dr.M. Kavitha	Loyola-ICAM College of Engineering and Technology, chennai, India,Department of EEE	Biometric Electronic Voting Machine Using Fingerprint Sensor and Arduino published in Conference
62.	EEE	G.T Sundar Rajan, V. Sivachidambaranathan, J. Barnabas Paul Glady, Ramesh Babu, Ganesan Subramanian, Sundarsingh Jebaseelan S. D, A Santhi Mary Antony	E.G.S. Pillay Engineering College, Nagapattinam, Loyola-ICAM College of Engineering and Technology, chennai, India,Department of EEE	Performance Analysis of a Sensorless DC Motor Using Neuro Fuzzy Logic Control published in IEEE International Conference On Intelligent and Innovative Technologies in Computing, Electrical and Electronics, Hybrid Mode, 27-28 January 2023 Organized & Hosted by Department of Electronics and Communication Engineering, B. N. M. Institute of Technology Bengaluru, India

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
63.	EEE	G.T Sundar Rajan, V. Sivachidambaranathan, Ramesh Babu, A Santhi Mary Antony, J. Barnabas Paul Glady, Sundarsingh Jebaseelan, S. D	Loyola-ICAM College of Engineering and Technology, Chennai, India, Department of EEE	HYBRID GRID CHARGING STATION FOR ELECTRIC VEHICLE USING IOT published in IEEE International Conference On Intelligent and Innovative Technologies in Computing, Electrical and Electronics, Hybrid Mode, 27-28 January 2023 Organized & Hosted by Department of Electronics and Communication Engineering, B. N. M. Institute of Technology Bengaluru, INDIA
64.	EEE	Y Muralimohanbabu, G Madhusudhana Rao, D Santhosha, S Jayaprakash	Department of Electronics and Communication Engineering, Tirumala Engineering College, Andhra Pradesh. Department of Electronics and Communication Engineering, Blue Hora University, Blue Hora, Ethiopia. Department of Electrical and Electronics Engineering, Channabasaveshwara Institute of Technology	Image processing based lung tumordetection and classification using 3D microcalcification of CT images published in AIP Conference Proceedings

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
65.	EEE	S. Jayaprakash, B. Gopi, Muruganath Gopal Raj, S. Sujith, S. Deepa, S. Swapna	Department of Electronics and Communication Engineering, Muthayammal Engineering College (Autonomous), Tamil Nadu. Department of Electrical and Electronics Engineering, Ahalia School of Engineering and Technology, Kerala. Department of Electrical and Electronics Engineering, NSS College of Engineering, Kerala. Department of Electrical and Electronics Engineering, Panimalar Engineering College, Chennai. Department of Electrical and Electronics Engineering, GRT Institute of Engineering and Technology, Thiruvallur	Development of Energy Management System for Micro Grid Operation published in Computer Systems Science & Engineering

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
66.	EEE	Ramesh P., Kumar Gouda P., Rameshbabu A., Ramanathan G., Bharatiraja C.	Department Electrical and Electronics Engineering, CMR institute of Technology, Bengaluru. Aditya Institute of Technology and Management, Andhra Pradesh. Department of Electrical and Electronics Engineering, SRM institute of Science and Technology, Chennai	An isolated multi- port bidirectional DC-DC converter for EV applications published in Materials Today: Proceedings

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
67.	EEE	D. Sengeni, M. Kavitha, Udayakumar Durairaj, K. Sai Subramaniam, V. Prabhu, K. Suriyakrishnaan, H. A. Shivappa	Department of ECE, CK College of Engineering and Technology, Cuddalore, Tamilnadu. Faculty of Engineering and Technology, Linton University College, Mantin, Negeri Sembilan, Malaysia. Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Department of Production Engineering, Sri Sairam Engineering College, Tamilnadu. Department of ECE, Sona College of Technology, Tamil Nadu. Department of Mechanical Engineering, Dr. Ambedkar Institute of Technology, India.	Analysis and implementation of a high switching frequency dynamic wireless power transfer technique for electric vehicle charging devices published in AIP Conference Proceedings
68.	EEE	Ahila Devi E., Chandrasekar A., Radhika S.	St. Joseph's College of Engineering, Chennai, India	WSO-T2FSM: War strategy optimization-based type-2 fuzzy-based starling murmuration for addressing the routing problem in mobile ad hoc network published in Concurrency and Computation: Practice and Experience

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
69.	EEE	A. Chandrasekar, S. Radhika	St. Joseph's College of Engineering, Chennai, India	Graph Signal Estimation Based on Maximum Correntropy Criterion published in 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF)
70.	EEE	Duraimurugan Samiayya,S. Radhika, A. Chandrasekar	St. Joseph's College of Engineering, Chennai, India	An Efficient Hybrid Ensemble SVM for Optimal Channel and Power Allocation Using Chaotic Quantum Bat Optimization published in IETE Journal of Research
71.	EEE	Pushpavalli. M, Abirami .P, Sivagami. P, Kavitha. M, Bhuvanewari. C, Abitha Memala . W, Harikrishnan. R	SRM Institute of Science & Technology, Chennai. Symbiosis Institute of Technology, Symbiosis International Deemed University, Pune	Investigation on Multi – Input (MI)DC - DC converters published in journal
72.	EEE	M.Pushpavalli, P.Abirami, P.Sivagami, M.Kavitha, C.Bhuvanewari, W.Abitha Memala	B. S. Abdur Rahman Crescent Institute of Science And Technology, Chennai, India	Creation of a Drowning Prevention System for Kids Learning in Pool using Computational Technology published in iee explorer

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
73.	EEE	R Harikrishnan, P Sivagami, M Pushpavalli, G Rajesh, P Abirami, Mohan Ram	B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai. Symbiosis Institute Of Technology, Symbiosis International Deemed University, Pune	Evolution of Electric Vehicle-A Review published in IEEE EXPLORE
74.	EEE	V. Meenakshi, M. Kavitha, A.Santhi Mary Antony, V.Vijeya Kaveri, S. Radhika, D.Godwin Immanuel	Loyola-ICAM College of Engineering and Technology, Chennai. Department of CSE, Sri Krishna college of Engineering and Technology, Coimbatore	T-type three phase inverter with grid connected system used in renewable energy resources published in ICSCDS

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
75.	EEE	Bharathi M.L., Vimal Bhatt, V.V. Ravi Kumar, Rajesh Jagdish Sharma, Hemavathi S., Bhasker Pant, Rajendra Prasad Arani, T. Sathishh, V. Mohanaveli	<p>Department of Management, Symbiosis Institute of Business Management Pune, Symbiosis International (Deemed University), Pune.</p> <p>Department of Biotechnology, Vidya Pratishthan's Arts, Science, and Commerce College, Maharashtra. Battery Division, CSIR-Central Electrochemical Research Institute (CECRI), CSIR-Madras Complex, Chennai.</p> <p>Academy of Scientific and Innovative Research (ASIR), Ghaziabad.</p> <p>Department of Computer Science & Engineering, Graphic Era (Deemed to be University), Uttarakhand.</p> <p>Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai.</p> <p>Department of Mechanical Engineering, Saveetha School of Engineering, SIMATS, Chennai.</p> <p>Centre for Materials Engineering and Regenerative Medicine, Bharath Institute of Higher</p>	<p>Developing a dual axis photoelectric tracking module using a multi quadrant photoelectric device published in Energy Reports</p>
			Education and Research, Chennai	335

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
76.	EEE	Sekar.k,S.Jayaprakash,Hemalatha M,Raja R	Department of Electrical and Electronics Engineering, Hindustan College of Engineering and Technology, Coimbatore, Tamil Nadu, India. Department of Electrical and Electronics Engineering, Sri Sairam Engineering College, Chennai, Tamil Nadu, India. Department of Electrical and Electronics Engineering, Muthayammal Engineering College (Autonomous)- Rasipuram, Namakkal, Tamil Nadu,	Hybrid Energy Sources using Current Fed Inverter for High Gain in Single Phase to AC Loads published in Proceedings of the Third International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023) IEEE Xplore Part Number: CFP23OAB-ART

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
77.	EEE	Arul P, M.Meenakumari, Saravanan.L, Revathi N, S Jayaprakash, Subbiah Murugan	Department of Electronics and Communications Engineering, R.M.D Engineering College, Chennai. Department of Electronics and Communications Engineering Sri Ranganathar Institute of Engineering and Technology, Coimbatore. Department of Electronics and Communication Engineering, Rajalakshmi Institute of Technology, Chennai. Department of Electronics and Communication Engineering, Panimalar Institute of Technology, Chennai. Research & Development Division, Vee Eee Technologies Solution Pvt Ltd, Chennai.	Intelligent Power Control Models for the IOT Wearable Devices in BAN Networks published in Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE), International Conference
78.	EEE	S. Nirmalraj, A. Santhi Mary Antony, P. Sridevionmalar, A. Sheryl Oliver, K. Jayasakthi Velmurugan, V. Elanangai, G. Nagarajan	Loyola – ICAM College of Engineering and Technology, Chennai, India. SRM Institute of Science and Technology, Chennai, India. Jeppiaar Engineering College, Chennai, India	Permutation feature importance-based fusion techniques for diabetes prediction published in Soft Computing

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
79.	EEE	Manoharan Premkumar, Chandrasekaran Kumar, Thankkapan Dharma Raj, Somasundaram David Thanasingh Sundarsingh Jebaseelan, Pradeep Jangir	Department of Electrical and Electronics Engineering, Dayananda Sagar College of Engineering, Karnataka. Department of Electrical and Electronics Engineering, M. Kumarasamy College of Engineering, Tamil Nadu. Department of Electrical and Electronics Engineering, V V College of Engineering, Tamil Nadu. Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Rajasthan. Department of Electrical and Computer Systems Engineering, Monash University, Clayton, Australia	A reliable optimization framework using ensembled successive history adaptive differential evolutionary algorithm for optimal power flow problems published in IET Generation, Transmission & Distribution

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
80.	EEE	Kavitha M, Jones Nirmal L, Jenin Prabhu R, Srinivasan P	Department of Electrical and Electronics Engineering, Panimalar Institute of Technology, Chennai. Department of Electrical and Electronics Engineering, Veltech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai. Department of Electronics and Communication Engineering, Sona College of Technology, Tamil Nadu	Photovoltaic System based Interleaved Converter for Grid System published in 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS)
81.	EEE	R. Mahalakshmi, M. Kavitha, B. Gopi, S.Mohan Kuma	Department of Electrical and Electronics Engineering, Meenakshi Sundarrajan Engineering College, Chennai. Department of Electronics and Communication Engineering, Muthayammal Engineering College (Autonomous), India. School of Engineering and Technology, CMR University, Bangalore.	Women Safety Night Patrolling IoT Robot published in 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT)

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
82.	EEE	G. Ramkumar, B. Arthi, S. D. Sundarsingh Jebaseelan, M. Gopila, P. Bhuvaneshwari	Department of Electronics and Communication Engineering, Saveetha School of Engineering, SIMATS, Chennai. Department of Computing Technologies, College of Engineering and Technology, Faculty of Engineering and Technology, SRM Institute of Science and Technology, SRM Nagar, Chennai. Department of Electrical and Electronics Engineering, Sona College of Technology, Salem. Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering and Technology, Andhra Pradesh. Department of Electronics and Communication Engineering, S.A. Engineering College, Chennai. Department of Food Process Engineering, Ambo University, Ethiopia	Implementation of Solar Heat Energy and Adsorption Cooling Mechanism for Milk Pasteurization Application published in Adsorption Science & Technology

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
83.	EEE	V. Senthil Nayagam, A. P. Jyothi, P. Abirami, J. Femila Roseline, M. Sudhakar, Essam A. Al-Ammar, Saikh Mohammad Wabaidur, N. Hoda, Asefa Sisay	<p>Department of Computer Science and Engineering, Ramaiah University of Applied Sciences, Karnataka.</p> <p>Department of Electrical and Electronics Engineering, B.S. Abdur Rahman Crescent Institute of Science and Technology, Tamilnadu.</p> <p>Department of Electronics and Communication Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Tamilnadu.</p> <p>Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai.</p> <p>Department of Electrical Engineering, College of Engineering, King Saud University, Saudi Arabia.</p> <p>Chemistry Department, College of Science, King Saud University, Saudi Arabia.</p> <p>Department of Biochemistry, Henry Ford Health System, Detroit, USA.</p> <p>School of Electrical and Computer</p>	<p>Deep Learning Model on Energy Management in Grid-Connected Solar Systems published in International Journal of Photoenergy</p>
			Engineering, Kombolcha Institute	341

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
84.	EEE	Kodada Durga Priyanka, Abitha Memala Wilson Duraisamy		Smart Grids for Smart Cities Volume 1/ A Review on Advanced Control Techniques for Multi-Input Power Converters for Various Applications published in book chapters

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
85.	EEE	V. Senthil Nayagam, E. Fantin Irudaya Raj, A. Sasireka	Department of Electrical and Electronics Engineering, Dr. Sivanthi Aditanar College of Engineering, Tamilnadu. Department of Mathematics, PSNA College of Engineering and Technology, Dindigul, Tamilnadu. Department of Computer Science, College of Engineering and Technology, Wollega University, Ethiopia. Department of Mechanical Engineering, Sri Sairam Engineering, Chennai. Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad. Department of Electronics & Communication Engineering, Dayananda Sagar College of Engineering (DSCE), Bangalore.	An application of the frequency-based matrix converter used in a wind energy conversion system using a synchronous generator with synchronous variable-speed, pulse width modulation technique published in AIP

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
86.	EEE	S. Peniel Pauldoss, K. Sekar, Balachandra Pattanaik, and V. Senthil Nayagam	Department of Mechanical Engineering, Brilliant Group of Technical Institutions, Hyderabad. Department of Electrical and Electronics Engineering, Hindustan College of Engineering and Technology, Coimbatore. Department of Electrical and Computer Engineering, Wollega University, Ethiopia	PV system with high voltage gain based DC-DC boost converter for grid applications published in AIP
87.	EEE	Ramya.D, Narendra Singh, S.P.Sasi Rekha, D.V.Sai Thrinath	Dhanalakshmi Srinivasan University, Trichy, Tamilnadu	IoT enabled hybrid model with learning ability for E-health care systems published in Measurements sensor

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
88.	EEE	P.K Mani, Prashant Sunagar, N S Madhuri, A. Joseph Lourdu Rajah, D Ramya	Department of Electrical and Electronics Engineering, Vel Tech Multitech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai. Department of Civil engineering, M S Ramaiah institute of Technology, Bengaluru. Department of Electrical and Electronics Engineering, SreeVidyanikethan Engineering College, Tirupati. Department of English, PSNA College of Engineering and Technology, Tamil Nadu. Department of Electrical & Electronics Engineering, V.S.B. Engineering College, Tamil Nadu.	IoT-based Solar Panel Tracking System to Enhance the Output Power published in IEEE conference

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
89.	EEE	V M Manickavasagam, M Prabakaran, K Balamurugan, Anirudh Srinivas Vellimedu, M Sudhakar, V Senthil Nayagam, M Siva Ramkumar	Department of Mechanical Engineering, Sri Sairam Engineering college, Chennai. Department of Mechanical Engineering, Department of Mechanical Engineering, SRM Valliammai Engineering College, Chennai. Department of Electrical and Electronics Engineering, Sri Ramakrishna Engineering College, Coimbatore. Department of EEE, Karpagam Academy of Higher Education, India.	Design and comparison of metaheuristic optimization learning approach PID controller for self-balancing bicycle published in AIP

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
90.	EEE	V. Sridevi, V Senthil Nayagam, K. S. Kavitha Kumari, and Shruti A. Gangashetty	1Department of Electrical & Electronics Engineering, Jeppiaar Engineering College, Chennai, Tamil Nadu, India3Department of Electrical and Electronics Engineering, Aarupadai Veedu Institute of Technology, Vinayaka Mission's Research Foundation, Chengalpattu District, Tamil Nadu, IndiaPoojya Doddappa Appa College of Engineering Kalaburgi, Kalaburgi, karanataka, India	Random forest-based method for photovoltaic systems based maximum power point tracking published in AIP

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
91.	EEE	Dharam Buddhi, Lijo Jacob Varghese, Neeraja B, Sana Sulaiman Hamid, Ramya.D	UIT, Uttarakhand University, Uttarakhand. Electrical and Electronics Engineering, Sri Krishna College of Technology, Coimbatore. Electrical and Electronics Engineering, Government Polytechnic Hyderabad, Telangana. Communication Technical Engineering, Al-Farahidi University, Baghdad, Iraq. School of Electronics Engineering, VIT-AP University, Amaravathi, India.	Harmonic Distortion reduction in Power System to improve Reliability and power quality published in IEEE Conference

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
92.	EEE	Karthikeyan Kaliyaperumal, T. Sathesh Kumar, Ravi Kant, Mustafa Mahdi Abdulridha, Ramya.D	IT @ IoT - HH Campus, Ambo University, Ethiopia. EEE, Dr. Mahalingam College of Engineering and Technology, Pollachi. Shoolini University. Department of Medical Instruments Engineering Techniques, Al-Farahidi University, Baghdad, Iraq. Uttaranchal Institute of Technology, Uttaranchal University, India	Fault Detection and Torque Control in BLDC Motor using AI published in IEEE conference2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES)
93.	EEE	Tasneem Bano Rehman, Madijagan M, Ramya. D, M. Saratha, Mohan Krishna P B, Prashant Kumar	SAGE University, Bhopal Madhya Pradesh, India. School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu. Department of MCA, M. Kumarasamy college of Engineering, Karur, Tamilnadu. Department of Process Control, National Institute of Technology, Telangana. Department of Chemical Engineering, Lovely Professional University, Punjab, India.	Prediction of Heat Transfer in Smart Buildings using Internet of Things based Artificial Intelligence published in 2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
94.	EEE	M. Sivaramkrishnan, R. Agenya, Radhika Baskar, R. B. R. Prakash, D. Ramya	Department of EEE, Karpagam College of Engineering, India. Department of EEE, Christian College of Engineering & Technology, India. Department of EEE, Loyola-ICAM College of Engineering and Technology, Chennai. Department of Wireless Communication, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai. Department of Electrical and Electronics Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Andhra Pradesh. Department of EEE, Kongu Engineering College, India. Department of Chemical Engineering, College of Engineering, Ethiopian Defence University, Ethiopia. Department of Mechanical Engineering, SRM TRP Engineering College, Tamil Nadu	A Certain Investigation of Nanomaterial-Based Li-Ion Batteries for Electrical Vehicles published in JOURNAL OF NANOMATERIALS

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
95.	EEE	M. Siva Ramkumar, R. Felshiya Rajakumari, Nithiyananthan Kannan, R. Premkumar, S. Mohanasundaram, S. Purushotham, D. Ramya	Karpagam Academy of Higher Education, Coimbatore, India. Karpagam Institute of Technology, Coimbatore, India. Rabigh King Abdulaziz University, Jeddah, Saudi Arabia. Sri Eshwar College of Engineering, Coimbatore, India. Karunya Institute of Technology, Coimbatore, India. Sona College of Technology, Salem, India. Department of Textile and Garment Technology, FDRE TVT Institute, Addis Ababa, Ethiopia	Semiconductor Materials for Solar PV Technology and Challenges towards Electrical Engineering published in <i>Advances in material science and Engineering</i>

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
96.	EEE	T. Sripriya, B. Muthuraj, D. Sateesh Kumar, V. Venkatesh, Badireddy Satya Sridevi, Munaga Masthan Siva Krishna, K. Rajan, Abdi Diriba	<p>Department of Electronics and Communication Engineering, Prince Shri Venkateshwara Padmavathy Engineering College, Chennai. Department of Electrical and Electronics Engineering, Panimalar Engineering College, Chennai. Department of Engineering Mathematics, College of Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Andhra Pradesh. Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai. Department of Electronics and Communication Engineering, Aditya Engineering College, Andhra Pradesh. Department of IT & MCA, Aditya College of Engineering & Technology, Andhra Pradesh. Department of Mechanical Engineering, Dr. M.G.R. Educational and Research Institute, Chennai. Department of Mechanical</p>	<p>Deep Learning-Based Smart Hybrid Solar Water Heater Erection Model to Extract Maximum Energy published in International Journal of Photoenergy</p>
			Engineering, Mizan-Tepi University,	352

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
97.	EEE	Dr. D.N.S Ravi Kumar, Dr.Reddy Madhavi, K Praveen, N Hari Hara, P Kumar, Dr. Ganganagunta Srinivas, M.V. Raju	Sree Vidyanikethan Engineering college, Tirupati. University of Technology and Applied Sciences. Sri Satya Sai University of Technology and Medical Sciences, Madhya Pradesh. University of Technology and Applied Sciences, IBRA, North Al Sharqia region, Sultanate of Oma	Acoustic Feedback Noise Cancellation in Hearing Aids Using Adaptive Filter published in International Journal of Integrated Engineering

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
98.	EEE	V. Meenakshi, S. Yuvarani, A. Gayathr	Department of Computer Applications, Thanthai Hans Roever College (Autonomous), Tamil Nadu. Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai. Department of Computer Science and Engineering, Jeppiaar Engineering College, Chennai. Department of Computer Science Engineering (Cyber Security), Muthayammal Engineering College (Autonomous), Tamil Nadu. Research & Development Division, Vee Eee Technologies Solution Pvt Ltd, Chennai	Quality of Service Factor based Unfailing Route Formation in Wireless Sensor Network published in 2023 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE)

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
99.	EEE	V. Meenakshi, J. Rangarajan, K Suriyakrishnaan	Department of Electronics and Communication Engineering, Muthayammal Engineering College, Tamil Nadu. Department of Electronics and Communication Engineering, Sona College of Technology, Salem. Department of Civil Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai	Crypto Analysis with Modified Diffie–Hellman Key Exchange based Sensor Node Security Improvement in Wireless Sensor Networks published in 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS)
100.	EEE	Dr.V.Vijeya Kaveri, Dr.V.Meenakshi, Mr.Ananth S, Ms.Akshayarshini P, Ms.KavyaShree B	Sri Krishna College of Engineering and Technology, Coimbatore, India.	Blockchain based Reliable Electronic Voting Technology published in 2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
101.	EEE	Nookala Venu, D. Yuvaraj, J. Barnabas Paul Glady, Omkar Pattnaik, Gurpreet Singh, Mahesh Singh, Amsalu Gosu Adigo	Post-Doctoral Research Scholar, Department of Electronics & Communication Engineering, Srinivas University, Mangalore. Department of Electronics & Communication Engineering, Balaji Institute of Technology & Science, India. Department of Computer Science, Cihan University-Duhok, Iraq. Department of Computer Science Engineering, Govt. College of Engineering, Odisha. Department of Computer Science and Engineering, Department of Computer Science Engineering, Punjab Institute of Technology, Rajpura (MRSPTU Bathinda), Punjab. Department of Electrical and Electronics Engineering, Shri Shankaracharya Technical Campus, Durg, Chhattisgarh. Center of Excellence for Bioprocess and Biotechnology, Department of Chemical Engineering, College of Biological and	Execution of Multitarget Node Selection Scheme for Target Position Alteration Monitoring in MANET published in Hindawi Wireless Communications and Mobile Computing
			Chemical Engineering, Addis	356

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
102.	English	Mr. Senthil Kumar. S	TANSAM, Industry 4.0 Tidel Park	Making Autonomous Vehicles - Domestic and Commerical Purposes
103.	Physics	Dr. Pandiyarasan Veluswamy	Indian Institute of information Technology, Design and Manufacturing	Publication
104.	Physics	Dr. Shameema	Indra Gandhi Centre for Atomic Research	Project
105.	Physics	Dr. Malik Maaza	University of South Africa	Publication
106.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Ural Federal University, Yekaterinburg, Russia	Research Papers
107.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Kind Saud University, Riyadh, Saudi Arabia	Research Papers
108.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Dongguk University, Biomedical Campus, Gyeonggi-do, South Korea	Research Papers
109.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	University of Conception, Conception, Chile	Research Papers
110.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Alagappa University, Karaikudi, India	Research Papers
111.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Anna University	Research Papers
112.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Bharathiar University	Research Papers
113.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Chulalongkorn University, Bangkok, Thailand	Research Papers
114.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Keimyung University, Daegu, Korea	Research Papers
115.	Centre for nanoscience and nanotechnology	Dr G Murugadoss	Lebanese American University, Byblos, Lebanon	Research Papers

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
116.	Centre for nanoscience and nanotechnology	Dr.Shyju T.S.	Dr.Paul Raj, University of Conception, Conception, Chile	Research Papers
117.	Centre for nanoscience and nanotechnology	Dr.Shyju T.S.	Dr. Anandan S., Professor, NIT, Tiruchirappalli	Research Papers
118.	Centre for nanoscience and nanotechnology	Dr.Shyju T.S.	Dr. K. J. Sankaran, Sr. Scientist, CSIR, Bhubaneswar, India	Research Papers
119.	Centre for nanoscience and nanotechnology	Dr.Shyju T.S.	Dr. Jean-François PIERSON, Full Professor, Université de Lorraine, France	Research Papers
120.	Centre for nanoscience and nanotechnology	Dr. D. Dinesh Kumar	Northumbria University, United Kingdom	Joint Publication
121.	Centre for nanoscience and nanotechnology	Dr. R. Ananthakumar	Central Institute of plastic engineering and technology	3 Publications
122.	Centre for nanoscience and nanotechnology	V. Balachandar	Micro/Nano Technology Center, Tokai University, Japan.	1 paper published in IEEE. 1 paper accepted in RSC

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
123.	Centre for Nanoscience and Nanotechnology	Dr. Ramachandran	1. Applied Environmental Microbial Biotechnology Laboratory, Department of Environmental Science, Nagaland University, Nagaland, India. 2. Chemical Engineering Group, CSIR-North East Institute of Science & Technology, Assam, India. 3. Department of Chemical Science, Tezpur University, Assam, India. 4. Department of Molecular Biology & Biotechnology, Tezpur University, Assam, India. 5. Environmental Health & Toxicology Laboratory, Department of Environmental Science, Bharathiar University, Tamil Nadu, India. 6. Department of Applied Biology, University of Science and Technology, Meghalaya, India.	Published an high impact paper(8.2)
124.	IT	Dr.R.Subhashini	Jeppiaar Institute of Science and Technology	Technical Talk

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
125.	IT	Dr.R.Subhashini	Chevilliar T Thomas Elizabeth College for women	Technical Talk
126.	Chemical	Dr.Prabu	SSN College of Engineering	Publication
127.	Chemical	Dr.Venkatesan	Saveetha University	Publication
128.	Chemical	Dr.Sathish	Saveetha University	Publication
129.	Chemical	Dr.Karthikeyan	Annamalai University	Publication
130.	Chemical	Dr.Annam Renita.A	Faculty of Chemistry, Nicolaus Copernicus University in Toruń, 7 Gagarina Street, 87-100 Toruń, Poland	Publication
131.	Chemical	Dr.Annam Renita.A	RSK Environment Ltd., 18, Frogmore Road, Hemel Hempstead HP3 9RT, UK	Publication
132.	Chemical	Dr. Michael Rahul Soosai	Department of Biotechnology, Kamaraj College of Engineering and Technology, K. Vellakulam, Madurai, Tamil Nadu, 625701, India	Publication
133.	Chemical	Dr. Michael Rahul Soosai	Geo-energy Research Centre, University of Nottingham, University Park, Nottingham, NG7 2RD, UK	Publication

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
134.	Chemical	Dr. Michael Rahul Soosai	Department of Molecular Microbiology, School of Biotechnology, Madurai Kamaraj University, Palkalai Nagar, Madurai, Tamil Nadu, 625021, India	Publication
135.	Chemical	Dr. Michael Rahul Soosai	Department of Botany and Microbiology, College of Science, King Saud University, P.O. 2455, Riyadh, 11451, Saudi Arabia	Publication
136.	Chemical	Dr. Michael Rahul Soosai	Department of Biotechnology, Kumaraguru College of Technology, Coimbatore, 641049, India	Publication
137.	Chemical	Dr. Michael Rahul Soosai	Department of Electronics & Telecommunication Engineering, Karpagam College of Engineering, Myleripalayam, Coimbatore, Tamil Nadu, 641032, India	Publication
138.	Chemical	Dr. Michael Rahul Soosai	Department of Food Technology, Kongu Engineering College, Perundurai, Erode, Tamil Nadu, 638060, India	Publication
139.	Chemistry	Dr.Karthikeyan Jayabalan	Dept. Of Chemistry, IITM	Work in Progress
140.	CIVIL	Dr.S.Packialakshmi	Mettu University Ethiopia	Paper Publication

S.No	Department	Scientist/ Faculty Name	Name of the laboratory/ Institute	Outcome of the Collaboration
141.	CWM	Dr.J.Arun /Dr. Arivalagan Pugazhendhi	Van Lang University	Research publication
142.	CWM	Dr.J.Arun /Dr. Muthusamy Govarthanam	Kyungpook National University	Research publication
143.	CWM	Dr.J.Arun / Dr. Ramin Farnood	University of Toronto	Research publication
144.	CWM	Dr. Dawn S /Dr. Saravanamuthuvigneswaran	University of Technology, Sydney	Book Publication

12.6 FACULTY AS SPEAKERS AT INTERNATIONAL UNIVERSITIES



Conferences and panels | Debate Tables | Certificate of participation

SUSTAINABLE DEVELOPMENT GOALS

Paths to an Inclusive Internationalization of Higher Education



OPPORTUNITIES FOR INTERNATIONAL COOPERATION AT THE SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY

DR. PREETHI SHESHADRI
Head of the International Relations at the Sathyabama Institute of Science & Technology

DATE: September, 27

TIME: 11am (Brazil GMT-3) | 9am (Colombia GMT-5) | 7:30pm (India GMT+5:30)

LANGUAGE: English

FREE EVENT WEBSITE REGISTRATION:
www.ven3.com.br/1cui2022

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The 1st International Student Conference 2022
"CREATIVITY OF INITIATIVE OF YOUNG GENERATION IN AN UNCERTAINTY FUTURE : OPPORTUNITIES AND CHALLENGES "

Tuesday, December 6th 2022 | 09.00 AM - 03.00 PM (GMT +7)

Welcoming Speech:

- Dr. Eva Handayani, S.Kom, M.MT, Ph.D. (Indonesia)
- Reed F. Muryono, B.Ed. (Philippines)
- Dr. T. Saugraba (Sathyabama Institute of Science and Technology, India)
- Dr. Rasmuna Hussain (Selayang Community College, Malaysia)

Keynote Speakers:

- Dr. Jozsa F. Palandri, S.Kom, Ph.D. (Indonesia)
- Dr. Corazon C. Canbal (SAT University, Philippines)
- Dr. B. Bhawathi (Dean Academic, Sathyabama Institute of Science and Technology, India)
- Dr. Rasmuna Hussain (Director, Selayang Community College, Malaysia)
- Milijah Nawwabiah (Master of Ceremony)

Program:

- Call for Paper
- International Conference

Topics:

- Management Information System
- Software Engineering
- Data Science
- Data & Information Dissemination
- IT Security
- Enterprise System
- Data Science
- Visual Communication Design
- And Other Related Topics

Submission Deadline	December 1 st , 2022
Call for Paper	December 6 th , 2022
Official Website	conference.stiki.ac.id
Registration Link	bit.ly/IC-ITECH2022

Participant Requirement: Undergraduate Students Enrolled in any recognized college or university

Free Submission Fee & E-Certificate for all student participants

CP: (+62) 857-4632-3091 (Datik) | kul@stiki.ac.id

12.7 STUDENT EXCHANGE PROGRAMME (INBOUND)

Students from overseas came to our Institution on Semester Abroad Programmes, Exchange Programmes and Internship Programmes.



Student from Daffodil International University, Bangladesh



Students from MAHSA University, Malaysia

12.8 STUDENT EXCHANGE PROGRAMME (OUTBOUND)

To provide international learning experience, our students are provided the opportunity to study at foreign universities. Our students went on Semester Abroad Programmes, Exchange Programmes and Internship Programmes to our partnering universities across the world.



Our Students @ MAHSA University, Malaysia



Our Students @ University of Texas at Dallas, USA



Our Students @ University Putra Malaysia(UPM), Malaysia



Our Students @ University Malaysia Pahang(UMP), Malaysia



Our Students @ University Technology Mara(UiTM), Malaysia



Our Student @ Wszechnica Polska Academy of Applied Sciences, Poland



Our Students @ University of Texas at Dallas, USA



Our Students @ National University of Singapore(NUS), Singapore

13 PLACEMENT

The campus recruitment programme at Sathyabama Institute of Science and Technology continues to be a resounding success every year. In the campus recruitment for the last batch, more than 400 illustrious recruiters took part, and as of this writing, 3117 offers had been granted to the students. 93.65 percent of enrolled students have already secured jobs. The institute observed an increase in the annual CTC granted to students as the average CTC rose to 5.40 LPA. This year, it also experienced the highest CTC, 53 LPA. Additionally, an enormous increase in the number of Dream, Super Dream, and Elite companies hiring students was seen by our students. As their recruiters' base expands yearly, this has created a fantastic foundation for the following batches.

A few of the well-known recruiters who highlight the broad spectrum of opportunities Sathyabama continues to provide for its students include Cognizant, TCS, LnT Mindtree, Natwest, Nokia, Oracle, Optum, Redbus, Renault Nissan, Schneider Electric, Sopra Steria, Societe General, TATA Elxsi, and Zifo RnD.

Through the Centres of Excellence run by HCL, Capegemini, and other companies, more than 300 job offers were made possible by our collaborative approach to industry-institute partnerships. Another fantastic new initiative that has helped many students develop their employability skills is the Cognizant Digital Nurture programme. Many other companies, including Mindtree, TCS, PwC, have extensive connections with us and provide an array of possibilities for students to advance their skills.



13.1 PLACEMENT SUMMARY (LAST 5 YEARS):

Description / Year	2018-19	2019-20	2020-21	2021-22	2022-23
#of Students Eligible/Registered	1665	1834	2315	2270	3376
#of Students Placed	1504	1685	2162	2124	3117*
% of Placement	90.33	91.88	93.39	93.57	93.65*

Description/Year	2018-19	2019-20	2020-21	2021-22	2022-23
#. of Companies visited	397	319	361	511	404*
#. of Core Companies	64	68	74	85	89*

Description/Year	2018-19	2019-20	2020-21	2021-22	2022-23
Average Package(in LPA)	4	4.5	4.75	4.8	5.4*

13.2 RECOGNITION

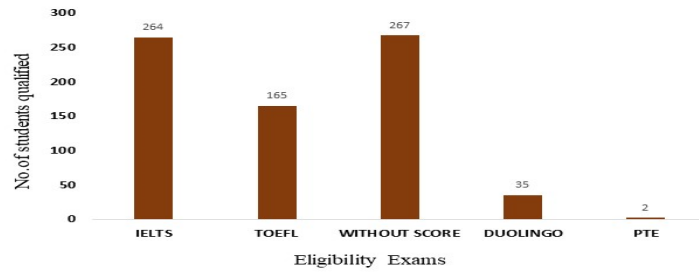
National Employability Award

The SHL National Employability Award is a distinguished accolade the Institutions that have demonstrated exceptional employability skills of their students.

Our journey to winning the 2023 SHL National Employability Award has been marked by a relentless pursuit of innovation and a deep commitment to fostering employability. We believe in empowering individuals with the skills, knowledge, and resources needed to thrive in a rapidly changing job market.

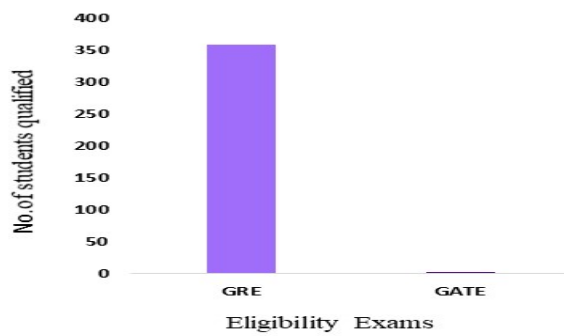
14 HIGHER STUDIES

HIGHER STUDIES DETAIL 2022-2023



IELTS	TOEFL	WITHOUT SCORE	DUOLINGO	PTE
264	165	267	35	2

HIGHER STUDIES DETAIL 2022-2023



GRE	GATE
359	03

14.1 GLOBAL FOOT PRINTS

Mr. Vignesh Sridhar from CSE joined University of Windsor



Ms. Sai Revathi Chinmayi, CSE enrolled at the University of Cincinnati.



Mr. Rishub, CSE, 2023 Batch has been awarded the Sydney scholars double scholarship from University of Sydney.



Ms. Asfia shiraj, CSE, 2023 BATCH has been awarded the Sydney Scholars double scholarship from University of Sydney



15 MAJOR STUDENT ACHIEVEMENTS

F. Sheryn, third year EEE and Rakalakshi, Final Year, Biotechnology received Best Student Award; Surya Subramanya Gangadhar of ECE and M.S. Keerthana of EEE received Best Outgoing Student Award; N.P. Tharani, Final year Student EEE received Best Project Award and B. Prabhavathi, third year EEE Student received Academic Excellence Award on 6th March 2023, World Engineering Day held at Adhiyamaan College of Engineering, Hosur, Tamil Nadu from The Institution of Engineers (India).



R.Suganya received the ISPPD Topper Award for Topper in the University Examination, Department of Paediatric and Preventive Dentistry by Indian Dental Association.

Balavivetha, I year M.Sc. Computer Science student won 1st Place in Adaptune, Eldorado 2K23 conducted by Jeppiaar University, Chennai.



Abram Shibu John (3rd Year-B.D.S.) won the First place in Class II Cavity Preparation competition by Tagore Dental College and Hospital, Chennai.

Kareema and Kanimozhi CRRIs received Ist Prize and Cash Award in Thai Moogambigai Dental College Article Symposium on 29th March 2023.



Mohamed Javed from School of Dental sciences won third prize in memes at first Annual Intercollegiate Meet held at Ramachandhra Dental College, Chennai.

Prabhavathy.B and Reshma, Sivasanthana Lakshmi and Shenbaga Priya won first place & Jayashree and JayaShri N.P won second prize in poster presentation, at first Annual Intercollegiate Meet held at Ramachandhra Dental College, Chennai.



Keerthana of II BTech Biotechnology won first prize in paper presentation on World Water SUMmit April 2023 on the occasion of World Water Day on the theme "Accelerating Change", Organized by The Institution of Engineers (India), Tamil Nadu State Centre, on 1st April 2023 and received the prize with cash award from Padmashree Dr. Sivathanu Pillai.

B. Balaji, Mechanical Engineering student received star of Excellence award and he was selected as one of the NCC cadet Participant for Tamil Nadu Republic day Function held on 26/01/2023



Second Year Visual Communication Students received Overall Winners Documentary Film Trophy from the Event "Voices 2023" Conducted by SRM – Ramapuram Campus.

Saran Sundar, final year Mechatronics students won 3rd place in cosmic innovation challenge during Space-tech Summit 2023 conducted by IIT Madras.





Ms.V.K. Sayami from V Year B.A.LL.B(Hons) received the spirit of Marathal Thagumo Award in the State level Tamil Elocution Competition held at Anna University, Chennai on 07.01.2023.

First year Civil Engineering students Mr. Ashwin ram kumar, Mr. Miracle, Ms. Oviya and Ms. Sophia won the first and second prize in the event “Solve it and Photography” and also Won the Overall Winner Trophy conducted B.S. Abdur Rahman Crescent Institute of Science and Technology.



Sivaranjani and Adheena, 1yr PG Students Department of Orthodontics won second prize in Table Clinic IOS PG Convention, Salem.

Sudharshan, Saran Sundar and Ragav.S.R, IV year students of Mechatronics won 3rd prize in Chennai Cybersecurity Hackathon conducted by Greater Chennai Police held at Anna University, Chennai.





Ms. Parveen Akther won the best paper award at the International Conference on Recent Trends in Data Science and its Applications held at the SRM Institute of Science and Technology on March 30th and 31st.

Satavisha Mohapatra, Harini, Andrew Intern students won II prize in Poster Making Theme - Surgical Strike held at SRM Dental College and Hospital.



Final Year Student Mr.Ritish and Mr.Thirunavukkarasu Won the "Best paper Award" in the International Conference ICC-IDEA-2023 conducted by SRM Institute of Science and Technology.

Sandeep 2nd year PG, Department of Orthodontics secured third place in paper presentation in MOKSHAA 2023 held at Sri Venkateswara Dental College and Hospital





Harini, Intern student won second prize in Poster Presentation held at Sri Venkateswara Dental College and Hospital

Sandeep 2nd year PG from the Department of Orthodontics won third place in paper presentation in State Level Article Symposium at Thai mogambikai Dental College



Adheena 1st year PG from the Department of Orthodontics won third place in paper presentation in State Level Article Symposium at Thai Mogambikai Dental College

**16 EXTENSION AND OUTREACH PROGRAMMES CONDUCTED IN
COLLABORATION WITH INDUSTRY, COMMUNITY AND NON- GOVERNMENT
ORGANISATIONS**

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
1.	Medical Laboratory Technology	Ms. D. Jasmine priya	Blood donation awareness - Rally	22/02/2023
2.	Medical Laboratory Technology	Ms. D. Jasmine priya	nutrition and health education	06/03/2023
3.	Biomedical	Dr J Premkumar	Nutrition and health education	06/03/2023
4.	Centre for Ocean Research & Viscom	Dr. D. Inbakandan, Dr. Nazini	Coastal clean-up activity	17/09/2022
5.	Centre for Ocean Research	Dr. L. Stanley Abraham	Sensitization of IRULAR Tribals in Villupuram dt	02/02/2023
6.	Centre for Ocean Research	Dr.V.Ganesh Kumar	Coastal clean-up activity	17/09/2022
7.	Centre for Ocean Research	Dr. M. Ravi	Invitation to International Women's Day Celebration 2023	07/03/2023
8.	Centre for Ocean Research	Dr. L. Stanley Abraham	Entrepreneurship development for women from Mudaliyar Kuppam	17/09/2022
9.	Sathyabama TBI	Mr. Sakthi Shunmugam, Mr.G.Krishna Moorthi	Aquaculture Cluster Meetup	07/8/2022
10.	Sathyabama TBI	Mr. Sakthi Shunmugam, Mr. Gautham Palaniswamy, Mr.R.Praveen, Mr.M.Brabasuthan	Conquest Bangalore	08/28/2022
11.	Sathyabama TBI	Mr. Sakthi Shunmugam, Mr. Gautham Palaniswamy, Mr.R.Praveen, Mr.M.Brabasuthan	Explore Visit to Siddaganga Technology Business Incubator	08/28/2022
12.	Sathyabama TBI	Mr. Sakthi Shunmugam, Mr. Gautham Palaniswamy, Mr.R.Praveen, Mr.M.Brabasuthan, Mr.G.Krishna Moorthi	IIC Regional Meet	07/21/2022

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
13.	Sathyabama TBI	Mr. Gautham Palaniswamy, Mr.R.Praveen, Mr.M.Brabasuthan	Incubator Meet - Nasscom	08/30/2022
14.	Sathyabama TBI	Mr. Gautham Palaniswamy, Mr.M.Brabasuthan	Natives Koodal, Madurai.	09/03/2022
15.	Sathyabama TBI	Mr. Sakthi Shunmugam, Mr. Gautham Palaniswamy, Mr.R.Praveen, Mr.M.Brabasuthan, Mr.G.Krishna Moorthi	Startup TN Adukalam	09/30/2022
16.	Sathyabama TBI	Mr. Gautham Palaniswamy, Mr.M.Brabasuthan	Startup TN Incubator Startup Meet	08/02/2022
17.	Sathyabama TBI	Mr. Sakthi Shunmugam, Mr. Gautham Palaniswamy, Mr.R.Praveen, Mr.M.Brabasuthan, Mr.G.Krishna Moorthi	Umagine	03/09/2023
18.	ECE	Dr.PoornaPushpa Kala, Dr.S.Barani, Dr.subramaniyom		28/01/2023
19.	Makerspace	Dr. Sony Varghese, Aruna V	Awareness on E-waste on the occasion of international E-waste day	15/10/2022
20.	Public Health Dentistry	Dr.Himakar	Dental Awareness Camp	05/06/2022
21.	Public Health Dentistry	Dr.Angline aishwarya	Dental Awareness Camp	05/07/2022
22.	Public Health Dentistry	Dr. Pavani. Dr. Suresh	Dental Awareness Camp	19/10/2022
23.	Public Health Dentistry	Dr. Nadeem	Dental Awareness Camp	08/11/2022
24.	Public Health Dentistry	Dr. Anu, Dr. Padania, Dr. Nadeem, Dr. Suresh, Dr. Angeline aishwarya	Dental Awareness Camp	16/02/2023
25.	Public Health Dentistry	Dr. Anu, Dr. Pavani, Dr. Nadeem, Dr. Suresh, Dr. Angeline aishwarya	Dental Awareness Camp	06/03/2023
26.	Public Health Dentistry	Dr. Anu, Dr. Pavani, Dr. Nadeem, Dr. Suresh, Dr. Angeline aishwarya	Dental Awareness Camp	18/02/2023
27.	Public Health Dentistry	Dr. Anu, Dr. Suresh, Dr. Angeline aishwarya	Dental Awareness Camp	22/03/2023

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
28.	Public Health Dentistry	Dr. Nadeem	Dental screening camp	20/06/2022
29.	Public Health Dentistry	Dr. Suresh	Dental screening camp	22/06/2022
30.	Public Health Dentistry	Dr.Himakar	Dental screening camp	28/06/2022
31.	Public Health Dentistry	Dr.Himakar	Dental screening camp	29/06/2022
32.	Public Health Dentistry	Dr. Nadeem	Dental screening camp	30/06/2022
33.	Public Health Dentistry	Dr. Nadeem	Dental screening camp	05/07/2022 07/07/2022
34.	Public Health Dentistry	Dr. Pavani, Dr.Angline aishwarya	Dental screening camp	19/07/2022
35.	Public Health Dentistry	Dr.Angline aishwarya	Dental screening camp	21/07/2022
36.	Public Health Dentistry	Dr. Priyanka	Dental screening camp	08/03/2022
37.	Public Health Dentistry	Dr.Angline aishwarya	Dental screening camp	08/04/2022
38.	Public Health Dentistry	Dr. Suresh Kumar	Special Program	08/05/2022
39.	Public Health Dentistry	Dr. Nadeem	Dental screening camp	08/06/2022
40.	Public Health Dentistry	Dr. Suresh	Dental screening camp	16/08/2022
41.	Public Health Dentistry	Dr.Angline aishwarya	Dental screening camp	09/02/22
42.	Public Health Dentistry	Dr. Nadeem	Dental screening camp	13/09/2022
43.	Public Health Dentistry	Dr. Suresh	Dental screening camp	28/09/2022
44.	Public Health Dentistry	Dr.Angline aishwarya	Dental screening camp	29/09/2022
45.	Public Health Dentistry	Dr. Suresh	Dental screening camp	21/11/2022
46.	Public Health Dentistry	Dr.B.Pavani	Special Program	12/06/2022
47.	Public Health Dentistry	Dr.Angline aishwarya	Dental screening camp	01/09/2023

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
48.	Public Health Dentistry	Dr. Suresh	Dental screening camp	20/01/2023
49.	Public Health Dentistry	Dr. Angline aishwarya	Dental screening camp	02/03/2023
50.	Public Health Dentistry	Dr. Angline aishwarya	Dental screening camp	02/02/2023
51.	Public Health Dentistry	Dr. Angline aishwarya	Dental screening camp	02/09/2023
52.	Public Health Dentistry	Dr. V.Anu, Dr.B.Pavani, Dr. Aishwarya	Dental screening camp	18/02/2023
53.	Public Health Dentistry	Dr. Nadeem	Dental screening camp	23/02/2023
54.	Public Health Dentistry	Dr. Angline aishwarya	Dental screening camp	17/03/2023
55.	Public Health Dentistry	Dr. V.Anu, Dr.Suresh, Dr. Aishwarya	Dental screening camp	22/03/2023
56.	Biotechnology	Dr.L.Inbathamizh	Edutainment to school students on "Health, Hygiene and Nutrition - A special focus on Millets"	17/02/2023
57.	CSE	Dr.S.Prince Mary	Knowledge Transfer	2022
58.	CSE	Dr.P.Asha	Social Outreach Programme	2022
59.	CSE	Dr.P.Asha	Technology Awareness	2022
60.	CSE	Dr.Rajalakshmi	Girl Child Health Awareness Programme	2023
61.	CSE	Dr.Rajalakshmi	English Grammar Made Easy	2022
62.	CSE	Mr. Kamalesh	Social Outreach Programme on Digital Technology	2023
63.	CSE	Mr. Kamalesh	Microsoft Office	2023
64.	CSE	Mr. Kamalesh	2 Days Workshop on Learn and Unlock Creativity	2023
65.	CSE	Dr.M.S.Roobini	Microsoft Spread Sheet and Painting Competition	2022

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66.	CSE	Dr.Rajalakshmi	National Level Quiz Competition, Computer Technology and Applications	2022
67.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	National Science Day	01/03/2022
68.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	World Organ Donation Day – 2022	13/08/2022
69.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	World AIDS Day - 2022	01/12/2022
70.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	World TB Day	03/05/2023
71.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	International Day of Immunology	03/05/ 2023
72.	Centre for Drug Discovery and Development	Dr. Krupakar Parthasarathy	Igniting Young Aspiring Minds (IYAM - 2023)	12/06/2023 to 16/06/2023
73.	Centre for Drug Discovery and Development	Dr. M. Radhakrishnan	World Microbiome Day	29/06/2022
74.	Centre for Climate Change Studies	Dr. Amit Kumar, Dr. Prakash	Electric Ray conservation awareness program	08/04/2023
75.	Centre for Climate Change Studies	Dr. Prakash, Dr. Amit Kumar	Integrative taxonomy workshop	04/01/2023 to 06/01/2023
76.	Centre for Climate Change Studies	Dr. Amit Kumar, Dr. Prakash	Batoid rays of India	14/03/2023
77.	Centre for Climate Change Studies	Dr. Amit Kumar, Dr. Prakash	SAROA Hub Webinar series	27/09/2022

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
78.	Centre for Climate Change Studies	Dr. Amit Kumar, Dr. Prakash	SAROA Hub Webinar series	23/03/2023
79.	MBA	S.Krishnakumari, Dr.D.Yamuna, Dr.John Paul	Village Outreach	09/03/2023
80.	MBA	S.Krishnakumari, Dr.D.Yamuna, Dr.John Paul	Village Outreach	25/11/2022
81.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Awareness on Innovation, Entrepreneurship and Startups	02/07/2022
82.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Building start-up culture on campus	30/07/2022
83.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	One day FDP	06/08/2022
84.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Product market fit	11/08/2022
85.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Value proposition design	23/09/2022
86.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Thadai adhai udai	29/09/2022
87.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Importance of entrepreneurship in today's economic growth and Company registration rules and regulation in India	10/10/2022
88.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Idea Generation - Lean Canvas	14/10/2022

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
89.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Business model canvas program	21/10/2022
90.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Idea to Business conversion program and Grand Entrepreneurship Challenge	12/12/2022 – 15/12/2022
91.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon, Dr.Brijitta	Startup Pitchfest 2023	19/01/2023 – 21/01/2022
92.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon	BIG Grant awareness program	27/01/2023
93.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon	The Next Unicorn	02/02/2023
94.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon	BATCH 2: Idea to Business conversion program and Grand Entrepreneurship Challenge	06/02/023 – 09/02/2023
95.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon	Review meeting for the Grand entrepreneurship Challenge	09/03/2023
96.	Centre for Innovation and Technology Transfer	Ms. Hepsibah Sharon	TNSI 2022-BOOTCAMP (Chennai regional level)	10/03/2023 – 12/03/2023
97.	EEE	Dr.S.Jayaprakash, Mrs.D. Ramya Pooja V.R, Periyar Selvan III Year EEE	Basic and Practical Demonstration of Household wiring	30/03/2023
98.	Physics	Dr.P.Malliga	Women and child health awareness	07/03/2023
99.	Physics	Dr. M. Manjula	Women and child health awareness	07/03/2023
100.	Physics	Dr.S. Ravichandran	Experimental Science	29/03/2023

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
101.	Mathematics	Dr.R.Pameswari, Dr.K.Bhuvaneshwari, Dr.C.Kavitha	Outreach Activity- Training Programme for school students	24/03/2023
102.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	International Day against drug abuse and Illicit trafficking	25/06/2022
103.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	World Population Day	11/07/2022
104.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	World Breastfeeding week Celebration	01/08/2022
105.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	General health camp	28/01/2023
106.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	World Cancer Day celebration	02/02/2023
107.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	CPR Training	06/02/2023
108.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	Women's celebration Day	07/03/2023

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109.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	Women's Day celebration in co-ordination with UBA	09/03/2023
110.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	World Tuberculosis Day Celebration	24/03/2023
111.	College Nursing	of L.Lakshmi, Bhuvanewari S, Thivya N, Prathiba S, Prescilla, Nancy Prescilla Dinesh Lakshmi Narayani Manjambigai Trupti Rekha	World Health Day	07/04/2023
112.	CEER/CNSNT	Dr. G. Murugadoss	Invited Talk	7/7/2023
113.	CEER/CNSNT	Dr. G. Murugadoss	National Conference	10/07/2023
114.	CEER/CNSNT	Dr. G. Murugadoss	International Conference	02/11/2022 to 04/11/2022
115.	CEER/CNSNT	Dr. Gopika G	Outreach activity for spreading awareness and E-waste collection drive	14/05/2022
116.	CEER/CNSNT	Dr. Gopika G	Outreach activity for spreading awareness	15/10/2022
117.	CEER/CNSNT	Dr. Gopika G	Seminar on Two Dimensional Materials: Graphene and Beyond	28/03/2022
118.	CEER/CNSNT	Dr. Gopika G	Workshop on Industrial 3D Printing	30/08/2022
119.	CEER/CNSNT	Dr. Gopika G	Seminar on International Day of Electric Vehicle	23/09/ 2022
120.	CEER/CNSNT	Dr. Gopika G	Second International Conference on Advancements in Materials Science and Technology	02/11/2022 to 04/11 2022
121.	CEER/CNSNT	Dr. Gopika G	Seminar on World Science Day for Peace and Development	11/11/2022

S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
122.	Centre for Nanoscience and Nanotechnology	Dr. Sudha Uthaman	Medical Camp for Irular Community	05/05/2022 & 06/05/2022
123.	Viscom	Dr.N.Nazini & Dr.A.R.Vimal Raj	Ideation process of start-up (Bharathiyar University)	02/16/2023
124.	Chemical	Dr.Sathish	Women Awareness - WoW - Women on Wealth	07/03/2023
125.	CIVIL	Dr.S.Packialakshmi, Mr.J.Vanjinathan	Tree Plantation	09/03/2023
126.	CIVIL	Dr.S.Packialakshmi, Mr.J.Vanjinathan	Talk on Feminine Hygiene	09/03/2023
127.	Centre for Waste Management and Centre of Excellence for Energy Research	Conveners: Dr. Dawn S, Dr. P.Priyadharsini Co- conveners: Dr. J. Arun, Dr. N.Nirmala and Mr. A. Santhosh	Science fest for school students	02/28/2022
128.	Centre for Waste Management and Centre of Excellence for Energy Research	Conveners: Dr. Dawn S, Dr. J. Arun, Dr. N.Nirmala, Dr. P.Priyadharsini, Mr. A. Santhosh	Educate And Empower Women For village people	03/01/2022
129.	Centre for Waste Management and Centre of Excellence for Energy Research	Conveners: Dr. Dawn S, Mr. A. Santhosh, Dr. J. Arun, Dr. N.Nirmala, Dr. P.Priyadharsini	"Waste Cooking Oil Collection Drive" for creating awareness for hotels peoples	03/04/2022
130.	Centre for Waste Management and Centre of Excellence for Energy Research	Conveners: Dr. Dawn S, Dr. J. Arun, Dr. N.Nirmala, Dr. P.Priyadharsini, Mr. A. Santhosh	An awareness programme on valuing water and village water audit at Kumizhi village	22/03/2022
131.	Centre for Waste Management and Centre of Excellence for Energy Research	Conveners: Dr. Dawn S, Dr. N.Nirmala, Dr. J. Arun, Dr. P.Priyadharsini, Mr. A. Santhosh	An Awareness Programme on Hydroponics: An Alternate Farming Technique for Soil Conservation	04/22/2022

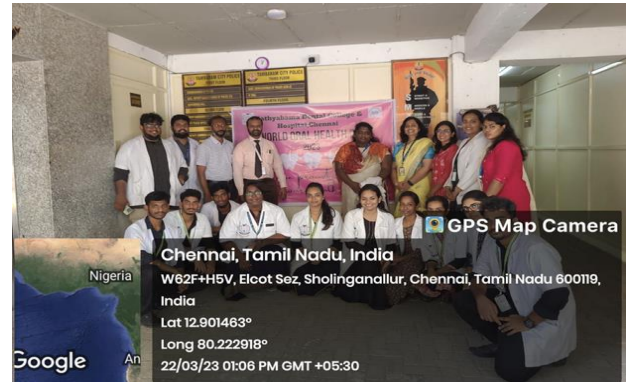
S.No	Department	Scientist/ Faculty Name	Type of outreach Activity	Date
132.	Centre for Waste Management and Centre of Excellence for Energy Research	Organizing committee: Dr. Dawn S, Dr. J. Arun, Dr. N.Nirmala, Dr. P.Priyadharsini, Mr. A. Santhosh	E- Waste Management at Jain Spring Meadows, Navalur, Chennai	04/14/2022
133.	Centre for Waste Management and Centre of Excellence for Energy Research	Conveners: Dr. Dawn S, Mr. A. Santhosh, Dr. J. Arun, Dr. N.Nirmala, Dr. P.Priyadharsini	Popularization of Biodiesel for Fuelling Fishing Boats at Tsunami Quarters, Karikkattukuppam, Muttukadu	08/10/2022
134.	Architecture	Kavitha	Painting the walls of a eco park	02/12/2022
135.	Architecture	Ramkumar, Shruthi	iVolunteer	18/03/2023
136.	Architecture	Ar.Ramkumar	Art workshop for Govt Girls Hostel, Saidapet, through iVolunteer	29/07/2023
137.	Architecture	Ar.Yusuf	PATHFINDER 3.0	29/6/2022 and 30/06/2022
138.	Law	V.Poojasree	Legal Awareness camp	29/06/2022
139.	Law	V.Poojasree	Legal Awareness camp	07/03/2023
140.	Law	V.Anandha Kumar	Legal Aid cum Research Camp	22/01/2023
141.	Law	V.Anandha Kumar	Legal Aid cum Research Camp	19/02/2023

Dental Screening Camp



GPS Map Camera

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GPS Map Camera

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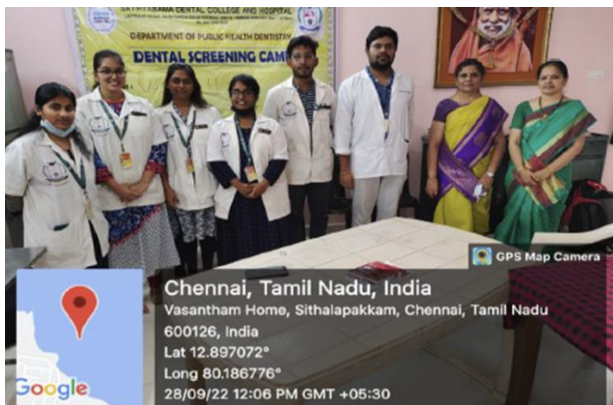
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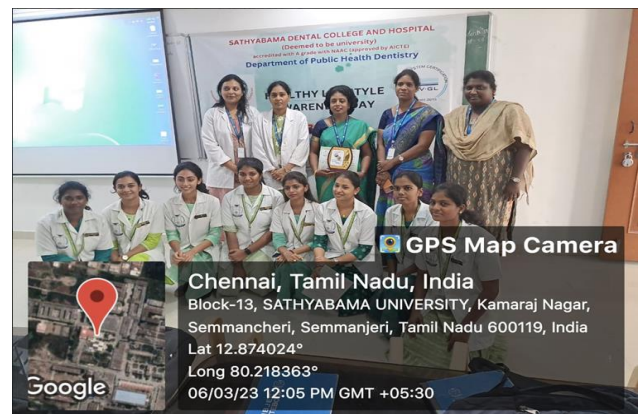
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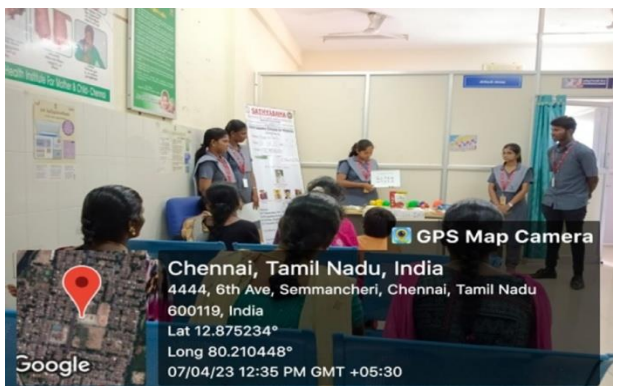
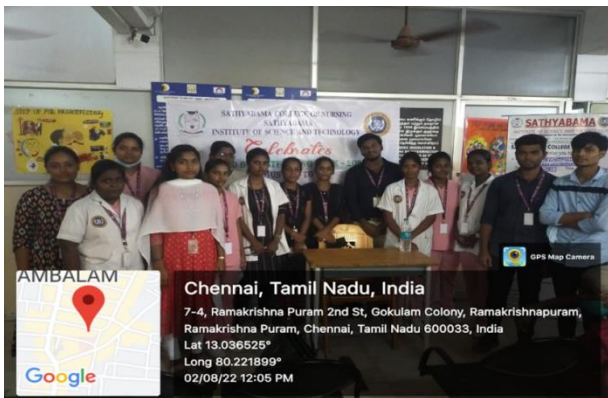
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Coastal clean-up activity



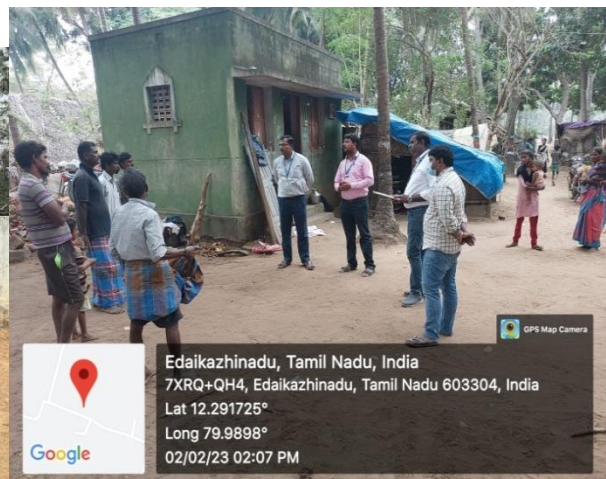
General Health Camp



Awareness Programme in Villages



Tree Plantation / Village Cleaning

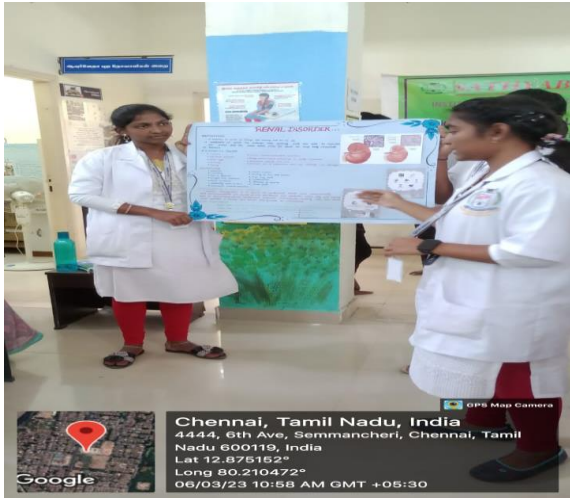


Awareness Programme in Schools



Important Days Celebration





Our Sincere Thanks to.....

1. Ever supporting management
2. Highly committed Faculty and staff
3. Enthusiastic students.
4. Funding Organisations at National and International level
5. Supportive Partners and Collaborators at National and International level.
6. Media and Publishers