



# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)



2021-2022

# ANNUAL REPORT

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[www.sathyabama.ac.in](http://www.sathyabama.ac.in)

## 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 emerged as a leading Higher Educational Institution and is growing as a benchmark Institution in the country meeting international standards. In its pursuit for excellence, our Institution has made tremendous progress and set new records in areas like academics, research and innovation, internationalization, employability, community partnerships and outreach. Our institution is ranked in the league of Top Universities in the world and is consistently ranked among the top 50 Universities in India.

It has been ranked in 1001-1200 position by QS World University Rankings, 2023 and it is one of the 41 Institutions in India ranked by QS.

We are proud to publish the Annual Report 2021-2022 which reflects our key achievements. We are happy with the accomplishments of our Institution for the period and wish that we achieve more in the next year.

Our staff and students continue to play the pivotal role in our endeavour to excel and we take this opportunity to congratulate them and thank them.

## **Message**

We are pleased with the past one year's performance and the achievements. It was a year of positive development to our Institution with visible enhancement in our teaching and research capabilities.

We appreciate the faculty and researchers for their persistent effort and wish them good luck for more impressive and remarkable performance in the years to come.

We are looking forward to the future with a high level of optimism. We seek your continued support and wish that you actively contribute to develop our Institution with your intellectual resources.

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

**Ms. Maria Bernadette Tamilarasi, Vice President**

**Ms. Maria Catherine Jayapriya, Vice President**

# Foreword

We are happy to report on our achievements for the year 2021-2022 and publish the “Annual Report, 2021-2022” to have a register of all the activities of the Institution and inform the stakeholders about the progress and accomplishments of the Institution.

Sathyabama has excelled in many areas and grown as a Premier Institution in India. New Programmes were introduced and several academic initiatives were successfully implemented during the period. Research infrastructure and laboratories were upgraded and many new advanced research facilities were added. As a crowning glory, a Centre for Advanced Studies was established with Supercomputing facilities, Robotics Workstations and advanced characterization facility. Memorandum of Understandings have been signed with many international universities and several collaborative activities were initiated successfully by the Institution.

The Institution has been awarded with several new projects funded by various Government agencies. The facilitating environment in the Institution has led to an increasing number of research publications. The Institution has around 12,000 Research publications Indexed in Scopus with a H- index of 81 and around 5000 publications indexed in Web of Science databases with a H -index of 71. More than 300 Joint Publications are made as the outcome of the joint research with International Research Organizations and Universities. The Institution has totally 2200 publications in the last one year of which more than half are high impact factor publications.

I appreciate and thank our Teaching Faculty, Research Scientists, Partnering Institutions, funding agencies and the collaborators, Students and other stake holders for their support and being with us in our journey towards success.

I sincerely thank our management for their visionary ideas, guidance and continuous support in all our activities.

**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, **Associate Professor, Centre for Academic Partnership & International Relations**
- Dr. Preethi Sheshadri, **Associate Professor, Centre for Academic Partnership & International Relations**
- Ms. V. Lakshmi Priya, **Research Assistant, 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**

We Envision to be an Effective and Competent Source of technical manpower for the current and future Industrial requirements.

#### **Mission**

- Undertaking research & development activities in emerging thrust areas
- Introducing new manpower Innovative courses based on the Industry & Societal demands Collaborating with National, International Institutes, research and development organization and Industries
- Serve the Society at large

## **2 INTERNATIONAL & NATIONAL RANKINGS / RATINGS**

### **2.1 NATIONAL INSTITUTIONAL RANKING FRAMEWORK (NIRF)**

Sathyabama is ranked in the 40<sup>h</sup> position in NIRF Ranking. 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.

### **2.2 QS RANKINGS**

- Ranked 301-350 in the QS Asia University Rankings, 2021

### **2.3 TIMES HIGHER EDUCATION RANKINGS**

- Ranked in 1201+ position by Times Higher Education World University Rankings, 2022.
- Ranked in 501+ position in Emerging Economies Universities Ranking by Times Higher Education World University Rankings, 2022.
- Ranked in 801+ position in by Times Higher Education World University Rankings by subject, 2022.
- Ranked 401+ in the world by Times Higher Education Asia University Rankings, 2021
- Ranked 601-800 in the Overall Times Higher Education Impact Rankings, 2022
- Ranked 401-600 under Sustainable Development Goal 01 (No poverty) by Times Higher Education Impact Rankings, 2022
- Ranked 801-1000 under Sustainable Development Goal 03 (Good Health and Well Being) by Times Higher Education Impact Rankings, 2022
- Ranked 401-600 under Sustainable Development Goal 10 (Reduced Inequalities) by Times Higher Education Impact Rankings, 2022
- Ranked 201-300 under Sustainable Development Goal 13 (Climate Actions) by Times Higher Education Impact Rankings, 2022
- Ranked 87th Position under Sustainable Development Goal 14 (Life Below Water) by Times Higher Education Impact Rankings, 2022
- Ranked 101-200 under Sustainable Development Goal 15 (Life on Land) by Times Higher Education Impact Rankings, 2022



- Ranked 401-600 under Sustainable Development Goal 17 (Partnership for Goals) by Times Higher Education Impact Rankings, 2022

#### **2.4 NATIONAL RANKING ORGANISATIONS**

- Ranked 4th position among Best Private Universities in Tamilnadu, ranked 29th under Top Private Engineering Colleges in India, ranked 20th under Best Colleges offering Architecture in India by India Today, 2021
- Categorized as AAAA+ Grade Institute according to Careers 360 -Top Engineering Colleges Survey, 2021.
- Ranked No. 08 among the overall Top Engineering Institutions in India according to i3RC Times Top Engineering Institute Rankings 2021
- Ranked No.3 among the Private Top Engineering Institutions according to i3RC Times Top Engineering Institute Rankings 2021
- Ranked No. 15 Among the Top Universities in India by Outlook ICARE Universities Ranking 2021.
- Ranked No. 12 Among the Top 100 Private Engineering Colleges in India by Outlook ICARE Rankings 2021
- Ranked in 19th place among the India's Best Colleges offering Architecture Programme for the year 2021 by Outlook Magazine.
- Ranked No. 34 among the Top Multi-Disciplinary Universities in India by THE WEEK Survey, 2021
- Ranked No. 14 among the Top Multi-Disciplinary Universities in South Zone by THE WEEK Survey, 2021
- Ranked No. 3 among the Private and Deemed Multi-Disciplinary Universities in South Zone by THE WEEK Survey, 2021.
- Ranked No. 21 among the Top Engineering Colleges in India by Education World, 2021

### 3 INFRASTRUCTURE DEVELOPMENT

#### 3.1 Col. Dr. JEPPIAAR OCEAN RESEARCH FIELD FACILITY

To take up the Earth Science and Technology Cell to the next level, Sathyabama Institute of Science and Technology established the Col. Dr. JEPPIAAR OCEAN RESEARCH FIELD FACILITY which spans around 10,000 Sq. ft., with Aquatic Animal Husbandry and Algal Culture Facility for the Marine Biotechnological Studies, for large-scale research/technology demonstration which leads to interdisciplinary work to augment the research needs of the students and faculties and to develop the human resources with future thinking.

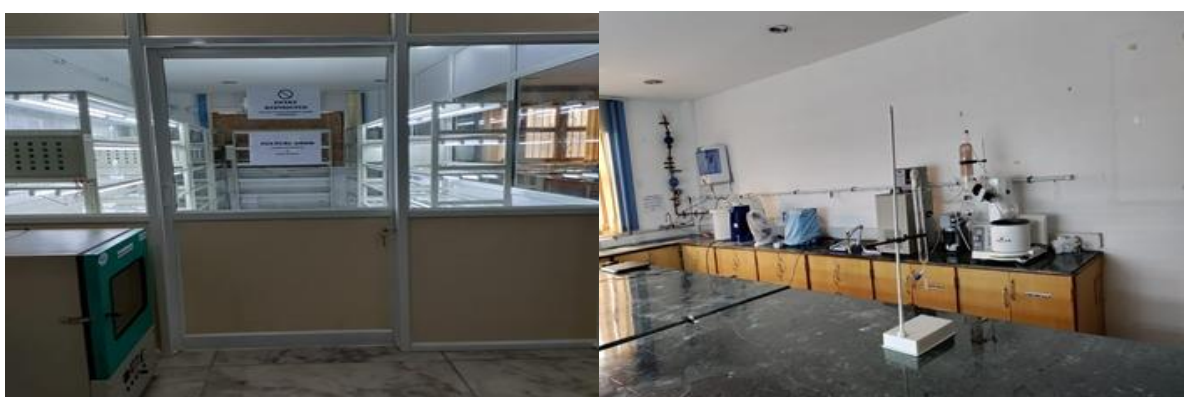


#### 3.2 MAKER SPACE FAB LAB



### 3.3 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.



### 3.4 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.





### 3.4.1 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, Quadruped 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.



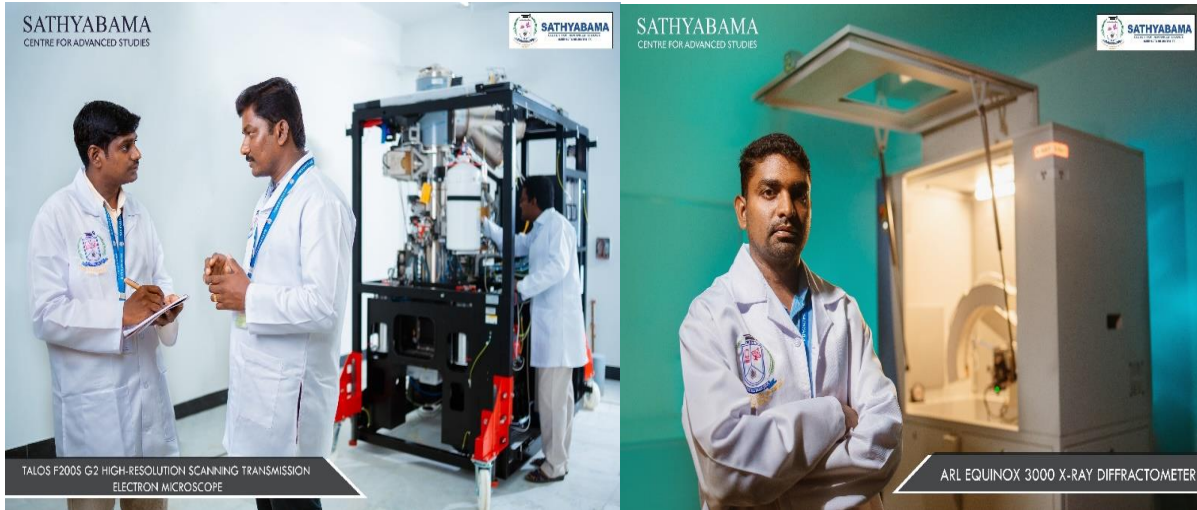
### 3.4.2 METAVERSE STUDIO

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.



### 3.4.3 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.



### 3.4.4 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-topping data speeds.





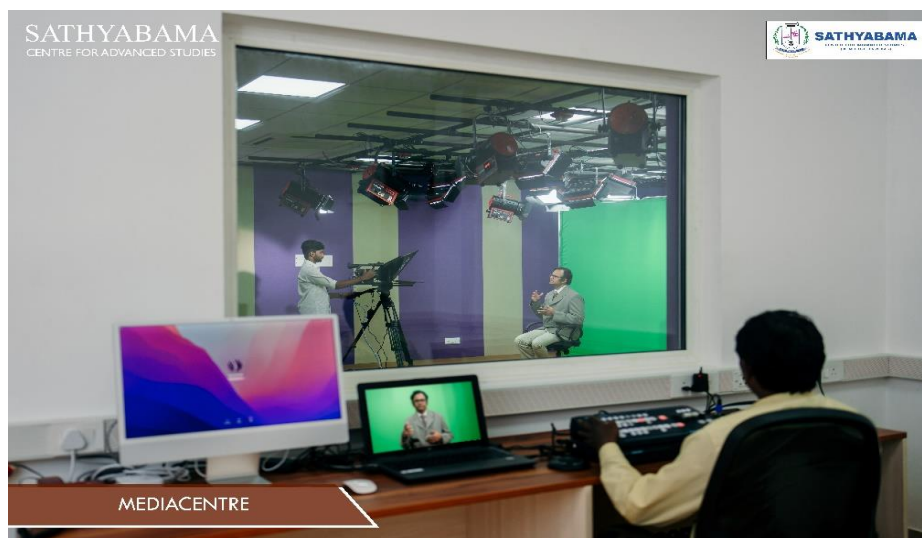
### 3.4.5 CENTRE FOR INNOVATION AND TECHNOLOGY TRANSFER

The Centre for Innovation and Technology Transfer aims to be a leading private deep-tech startup hub. The Centre will support students, scientists, faculty, alumni members and external entrepreneurs in creating successful deep tech startups, 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.



### 3.4.6 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.



### 3.4.7 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 Sratasys, India. Makerspace includes labs for material synthesis & testing, prototype designing and tissue engineering.



## 4 MAJOR ACTIVITIES

### 4.1 ENERGY STARTUP CONCLAVE

Sathyabama-Technology Business Incubator organized one Day “ENERGY STARTUP CONCLAVE” on 21.04.2022. Prof. Chetan Singh Solanki from IIT Bombay, Solar Man of India and Founder of Energy Swaraj Foundation and Brand Ambassador for the Govt. of Madhya Pradesh graced the occasion with his Energy Swaraj Yatra Bus to promote awareness on the effective utilisation of Solar Energy.



### 4.2 ACHIEVERS DAY

The Achiever’s Day is celebrated to appreciate and award the students who have excelled in various fields. The students who have been placed in the companies are given the offer letters on achiever’s day.





### 4.3 SATHYABAMA CULTURALS



### 4.4 INSTITUTE SOCIAL RESPONSIBILITY

NSS and YRC Unit of Sathyabama Institute of Science and Technology has conducted a blood donation camp in association with Indian Red Cross Society, Tamil Nadu branch, Chennai on 19.05.2022. In this social service activity of the institution, 251 volunteers participated in blood donation.



### 4.5 DST-TIFAC-MSME ACADEMIC PARTNERSHIP

To support and strengthen the academia – industrial relationship, Sathyabama Institute of Science and Technology has established the DST supported Sathyabama TIFAC MSME Academic Partner (TAP) Centre at Sathyabama Technology Business Incubator, Col. Dr. Jeppiaar Research Park to support the Aquaculture, Engineering and Plastic industrial clusters

in the Phase 1 progress. TAP will be coordinating the academic expertise with medium and small- scale enterprises for technically driven study. The Faculty and the Student community will be closely interacting with the industries for the upgradation and growth of MSME. The cluster report will be an updating the government on the progress needed in the financial and technology part.



#### 4.7 SATHYABAMA CONVOCATION



SathyabamaOfficial



## 4.8 ECO FRIENDLY INITIATIVES

Eco Club of Sathyabama Institute of Science and Technology has conducted “Manmade Forest” session on 23rd March, 2022. Mr. Hafeez Khan, forest creator enlightened the participants with real time experiences



## 4.9 ATAL TUNNEL

9 students from the Department of Civil Engineering and 1 student from Department of Mechanical Engineering are selected for the study tour to visit ATAL TUNNEL (The longest tunnel built under the Rohtang Pass on the Leh-Manali Highway), under the AICTE-Youth Undertaking Visit for Acquiring Knowledge(YUVAK) Scheme for the Year 2021, to learn the latest techniques in the construction of tunnels



## **5 QUALITY INITIATIVES**

### **5.1 GOVERNANCE**

- Creation of additional Posts in Deans and Directors and appointment of Pro Vice Chancellor
- Adoption of e -Governance
- Compliance to quality standards of ISO

### **5.2 PARTICIPATION IN NATIONAL MISSIONS**

- Swachh Bharat Mission
- Skill India Mission
- Renewable Energy
- Make in India
- Digital India
- Beti Bachao Beti Padhao Abhiyan
- Unnat Bharat Abhiyan

### **5.3 INITIATIVES WITH RESPECT TO CURRICULUM**

- Introduction of new Programmes - Nursing, Pharmacy, Law, Paramedical
- Curriculum focussing on skill development
- Curriculum focussing on value based education
- Outcome Based Education
- Multidisciplinary curriculum
- Complete Adoption of Choice Based Credit System
- Major Curriculum Revision in 2019 and again in 2022

### **5.4 PARTNERSHIPS AND INTERNATIONAL COLLABORATIONS**

The Institution has entered into Memorandum of Understanding with several International and National Institutions for academic and research collaboration. Collaborative activities like student exchange, faculty exchange, joint research, joint publications, and joint conferences were initiated through the partnerships. MoUs entered into with Industries to initiate joint academic programmes and training programmes.

## **5.5 GREEN INITIATIVES**

- Use of Battery operated Vehicles to commute within the campus
- Use of solar energy
- Green Audit
- Preparation of Sustainability Report
- Policies on SDGs
- Participation in Rankings relating to sustainable development

## **5.6 INFRASTRUCTURE DEVELOPMENT**

- Open Air Theatre
- Indoor Gymnasium
- Sathyabama Indoor Stadium
- Wi-Fi Connectivity
- Research Centres/Laboratories
- Information Communication Technologies Assisted Language Lab.
- Biomedical Laboratory
- Digital Infrastructure – Learning Management System, Remote access to library, Remote laboratory, Virtual Laboratory
- Sathyabama Centre for Advanced Studies

## **5.7 ICT INITIATIVES**

e- Governance has been introduced. A dedicated in-house team called Project team developed the Learning Management Systems for the Institution by Customizing the MOODLE LMS. LMS helps us to manage curriculum, deliver and manage course, provide e-learning materials, communicate with students, maintain the attendance of the students, evaluate and track the performance of students. The assessment tool in-built in the LMS allows the faculty members to provide assignments, quizzes and tests to evaluate the student's performance and provide feedback. Students can give their feedback about their lecturers and post their grievances in the LMS.

## **5.8 DIGITAL INITIATIVES**

Post pandemic has made the Institution to strengthen its Digital Infrastructure. Media Centre has been in the fore front of digital initiatives in the Institution. It supports in the preparation

of e-content, educational videos and providing access to quality study material. The Institution has its own You Tube Channel -Sathyabama You Tube Channel for Higher Education.

## 6 LIST OF PROGRAMMES OFFERED

<b>Program Code</b>	<b>Program Name</b>	<b>Year of offering</b>
1	B.A.-English	2021-22
2	B.Sc.-Physics	2021-22
3	B.Sc.-Chemistry	2021-22
5	B.Pharm.-Bachelor of Pharmacy	2021-22
6	B.Sc.-Mathematics	2021-22
7	B.Sc.-Bio Chemistry	2021-22
8	B.Sc.-Psychology	2021-22
9	B.E.-Mechatronics	2021-22
11	B.E.-Computer Science and Engineering	2021-22
12	B.Tech.-Information Technology	2021-22
13	B.E.-Electronics and Communication Engineering	2021-22
14	B.E.-Electrical and Electronics Engineering	2021-22
15	B.E.-Mechanical Engineering	2021-22
19	B.Tech.-Chemical Engineering	2021-22
20	B.E.-Civil Engineering	2021-22
21	B.Arch.-Architecture	2021-22
23	B.Tech.-Biotechnology	2021-22
24	B.Tech.-Biomedical Engineering	2021-22
26	B.E.-Aeronautical Engineering	2021-22
27	B.Sc.-Visual Communication	2021-22
28	B.B.A.-Bachelor of Business Administration	2021-22
29	B.Sc.-Computer Science	2021-22
30	B.Sc.-Micro Biology	2021-22
31	M.E.-Computer Science and Engineering	2021-22
32	M.E.-Computer Aided Design	2021-22
34	M.E.-Power Electronics and Industrial Drives	2021-22

<b>Program Code</b>	<b>Program Name</b>	<b>Year of offering</b>
35	M.E.-Applied Electronics	2021-22
38	M.E.-Structural Engineering	2021-22
41	M.B.A.-Master of Business Administration	2021-22
44	M.Tech.-Medical Instrumentation	2021-22
58	M.Sc.-Visual Communication	2021-22
59	M.Sc.-Physics	2021-22
63	M.Sc.-Mathematics	2021-22
74	B.Com.-Bachelor of Commerce	2021-22
77	B.Sc.-Bio Technology	2021-22
81	M.Tech.-Biotechnology	2021-22
84	M.Arch.-Building Management	2021-22
86	B.E.-Automobile Engineering	2021-22
89	M.Arch.-Sustainable Architecture	2021-22
91	M.Sc.-Chemistry	2021-22
92	B.Com.-Financial Accounting	2021-22
93	B.A.,L.L.B ( Honors)	2021-22
94	B.Com.,L.L.B(Honors)	2021-22
95	B.B.A.,L.L.B (Honors)	2021-22
97	M.A.-English	2021-22
101	M.Sc.-Medical Biotechnology and Clinical Research	2021-22
102	B.Des.-Bachelor of Design	2021-22
105	B.Sc.-Fashion Design	2021-22
106	D.Pharm.-Diploma In Pharmacy	2021-22
107	L.L.B	2021-22
108	M.E.-Embedded System and IoT	2021-22
571	M.A.-English (ODL)	2021-22
572	M.Sc.-Mathematics (ODL)	2021-22
573	M.B.A.-Master of Business Administration (ODL)	2021-22
574	B.Com.-Bachelor of Commerce (ODL)	2021-22
575	B.B.A.-Bachelor of Business Administration (ODL)	2021-22

<b>Program Code</b>	<b>Program Name</b>	<b>Year of offering</b>
611	B.E.-Computer Science and Engineering with Specialization in AI and Machine Learning	2021-22
612	B.E.-Computer Science and Engineering with Specialization in AI and Robotics	2021-22
613	B.E.-Computer Science and Engineering with Specialization in Block Chain Technology	2021-22
614	B.E.-Computer Science and Engineering with Specialization in Cyber Security	2021-22
615	M.Sc.-Computer Science	2021-22
616	B.Sc.-Computer Science with Artificial Intelligence	2021-22
731	B.E.-Computer Science and Engineering with Specialization in Artificial Intelligence	2021-22
732	B.E.-Computer Science and Engineering with Specialization in IoT	2021-22
733	B.E.-Computer Science and Engineering with Specialization in Data Science	2021-22
736	B.Sc.-Clinical Nutrition and Dietetics	2021-22
737	B.Sc.-Medical Lab Technology	2021-22
738	B.Sc.-Bioinformatics and Data Science	2021-22
739	M.Sc.-Bioinformatics and Data Science	2021-22
900	B.D.S.-Bachelor of Dental Surgery	2021-22
901	M.D.S. (Conservative Dentistry and Endodontics)	2021-22
902	M.D.S. (Orthodontics and Dentofacial Orthopedics)	2021-22
903	M.D.S. (Paedodontics and Preventive Dentistry)	2021-22
904	B.Sc.-Nursing	2021-22
Ph.D.	Ph.D.-Faculty of Science	2021-22
Ph.D.	Ph.D.-Faculty of Mechanical Engineering	2021-22
Ph.D.	Ph.D.-Faculty of Management	2021-22
Ph.D.	Ph.D.-Faculty of Humanities	2021-22
Ph.D.	Ph.D.-Faculty of Electronics Engineering	2021-22
Ph.D.	Ph.D.-Faculty of Electrical Engineering	2021-22



<b>Program Code</b>	<b>Program Name</b>	<b>Year of offering</b>
Ph.D.	Ph.D.-Faculty of Computer Science Engineering	2021-22
Ph.D.	Ph.D.-Faculty of Civil Engineering	2021-22
Ph.D.	Ph.D.-Faculty of Chemical Engineering	2021-22
Ph.D.	Ph.D.-Faculty of Bio Engineering	2021-22
Ph.D.	Ph.D.-Faculty of Architecture	2021-22

### **7 HONOURS/AWARDS RECEIVED BY OUR FACULTY DURING THE YEAR**

<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Dr.R.M.Joany	2021-2022	Associate Professor	Best Faculty Advisor	The Institution of Engineers (India)
Dr.N.M.Nandhitha	2021-2022	Professor	High Impact Journals	Institutional Awards
Dr.S.Barani	2021-2022	Professor	High Impact Journals	Institutional Awards
Dr.M.Subramoniam	2021-2022	Associate Professor	High Impact Journals	Institutional Awards
Dr.S.Emalda Roslin	2021-2022	Professor	High Impact Journals	Institutional Awards
Dr.G.Jegan	2021-2022	Associate Professor	High Impact Journals	Institutional Awards
Mr.A.Muthiah	2021-2022	Associate Professor	High Impact Journals	Institutional Awards
Dr.S.Krishnakumar	2021-2022	Associate Professor	Best Paper Award	SSN college of Engineering
Dr.S.Krishnakumar	2021-2022	Associate Professor	Reviewer	Journal of Pharmaceutical Research International
Dr.S.Krishnakumar	2021-2022	Associate Professor	Reviewer	Asian Journal of Cardiology Research
Dr.S.Krishnakumar	2021-2022	Associate Professor	Reviewer	Journal of Advances in Microbiology
Dr.S.Krishnakumar	2021-2022	Associate Professor	Reviewer	Journal of Complementary & Alternative Medical research
Dr.J.Prem Kumar	2021-2022	Associate Professor	Best Paper Award	SSN College of Engineering
Dr.T.Sudhakar	2021-2022	Associate Professor	Best Paper Award	Sathyabama Institute of Science & Technology & Mettu University
Dr. T.Sudhakar	2021-2022	Associate Professor	Best Paper Award	SSN College of Engineering
Ms.Sindu Divakaran	2021-2022	Assistant Professor	Best Paper Award	SSN College of Engineering
Dr. Bethanney Janney J	2021-2022	Associate Professor	Best Paper Award	SSN College of Engineering

<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Ar. Catherine Selvaraj	2021-2022	Assistant Professor	Topper in NPTEL for Ergonomics workplace Analysis	NPTEL online certification
Ar. Arulmalar	2021-2022	Professor	Elite certification in NPTEL online certification for Ergonomics workplace Analysis	NPTEL online certification
Ar. Sanghavi. V. V	2021-2022	Associate Professor	Elite certification in NPTEL online certification for Ergonomics workplace Analysis	NPTEL online certification
Ar.Deepalakshmi.S	2021-2022	Associate Professor	Topper Elite + Gold in NPTEL online certification for Design Thinking -A Primer	NPTEL online certification
Ar.Deepalakshmi.S	2021-2022	Associate Professor	Elite certification in NPTEL online certification for Effective Writing	NPTEL online certification
Ar. S.Kavitha	2021-2022	Assistant Professor	Elite certification in NPTEL for Sustainable Engineering Concepts and Life Cycle Analysis	NPTEL online certification
At.Jhannupriyaa	2021-2022	Assistant Professor	Elite certification in NPTEL Urban Governance and Development Management	NPTEL online certification
Ar.Shobana Subramanian	2021-2022	Assistant Professor	Topper in NPTEL for Geographic Information System	NPTEL online certification
Ar.Vignaeshwar.C	2021-2022	Assistant Professor	Elite certification in NPTEL in Urban Governance and Development Management	NPTEL online certification
Ar.Madhumitha	2021-2022	Assistant Professor	LEED Green Associate	LEED Green Business Certification
S D Sundarsingh Jebaseelan	2021-2022	Associate professor	Indian Researcher Award	International Research Association, England, United Kingdom
S D Sundarsingh Jebaseelan	2021-2022	Associate professor	Best Faculty Advisor	IEI - The Institution of Engineers (India), Kolkata

Name of Full Time Teachers Receiving Awards	Year of Award	Designation	Name of the Award/ Fellowship	Name of the Awarding Agency
S.Jayaprakash	2021-2022	Associate professor	Best Emerging Technology Performer Award	ICETSEM-2021- International Conference on Emerging Trends in Science, Engineering and Management
M.Pushpavalli	2021-2022	Assistant professor	Elite with silver medal for Computer Networks and Internet Protocol	NPTEL
Kavitha M	2021-2022	Assistant Professor	Elite with silver medal for Computer Networks and Internet Protocol	NPTEL
C.Bhuvaneswari	2021-2022	Assistant Professor	Elite for Computer Networks and Internet Protocol	NPTEL
W. Abitha Memala	2021-2022	Associate Professor	Elite for Computer Networks and Internet Protocol	NPTEL
V.Meenakshi	2021-2022	Assistant Professor	Elite with silver medal for Computer Networks and Internet Protocol	NPTEL
Dr.S.Sathish, Dr.D.Prabu, Dr.J.Aravindkumar, Mr.G. Narendrakumar	2021-2022	Associate Professor	Best Paper Award	IIT- Guwahati and Indian Society for Surface Science Technology
Dr.D.Venkatesan	2021-2022	Associate Professor	Silver	NPTEL
Dr.D.Prabu	2021-2022	Associate Professor	Best Paper Award	SSN College of Engineering
Dr B.R.Malathy	2021-2022	Reader	Chairperson - Elocution contest,	Sathyabama Dental College and Hospital
Dr B.R.Malathy	2021-2022	Reader	Guest speaker for webinar	Bharath Institute of Higher Education and Research, Chennai -600073
Dr.G.Prathiba	2021-2022	Head of the Department	Guest speaker for webinar	Sri Venkateshwara Dental College and Hospital, Thalambur, Chennai.
Dr.G.Prathiba	2021-2022	Head of the Department	Chairperson- Scientific session	Sri Venkateshwara Dental College and Hospital, Thalambur, Chennai.
Dr. Khadijah Mohideen	2021-2022	Reader	Judge	Sathyabama Dental College and Hospital
Dr. Khadijah Mohideen	2021-2022	Reader	Guest Speaker (Resource Person)	Sathyabama Dental College and Hospital
Dr. Vidya KM	2021-2022	Reader	Guest Speaker (Resource Person)	Sathyabama Dental College and Hospital

<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Dr. Rajkumari S	2021-2022	Senior Lecturer	Guest Speaker (Resource Person)	Sathyabama Dental College and Hospital
Dr. Rajkumari S	2021-2022	Senior Lecturer	Guest Speaker (Resource Person)	Chettinad Dental College and Hospital
Dr. Vidya KM	2021-2022	Reader	Guest Speaker (Resource Person)	Sathyabama Institute of Science and Technology
Dr. Khadijah Mohideen	2021-2022	Reader	Judge	Sathyabama Dental College and Hospital
Dr. Vidya KM	2021-2022	Reader	Guest Speaker (Resource Person)	Sathyabama Institute of Science and Technology
Dr. Vidya KM	2021-2022	Reader	Guest Speaker (Resource Person)	Ragas Dental College and Hospital
Dr. Vidya KM	2021-2022	Reader	Guest Speaker (Resource Person)	Chettinad Dental College and Research Institute
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Chaired session in 12th IFEA	IFEA
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Guest Lecture	Adhiparashakti Dental College
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Chaired session in Ecclires 2021	Sree Balaji Dental College and Hospital, Chennai
Dr. Sathynarayanan	2021-2022	Reader	Chaired session in Ecclires 2021	Sree Balaji Dental College and Hospital, Chennai
Dr. Murali Sivakumar	2021-2022	Reader	Chaired session in Ecclires 2021	Sree Balaji Dental College and Hospital, Chennai
Dr. Sushmita Shivanna	2021-2022	Reader	Chaired session in Ecclires 2021	Sree Balaji Dental College and Hospital, Chennai
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Chaired session in "Retreatment in Endodontics"	Meenakshi Ammal Dental College and Hospital, Chennai
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Chaired session in 6th ACDI conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Murali Sivakumar	2021-2022	Reader	Chaired session in 6th ACDI conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Organising - Faculty development program "Training the trainers"	Sathyabama Dental College and Hospital Chennai
Dr. Sushmita Shivanna	2021-2022	Reader	Organising Faculty development program "Training the trainers"	Sathyabama Dental College and Hospital Chennai
Dr. Mirnalini SelvaKumar	2021-2022	Senior Lecturer	Organising Faculty development program "Training the trainers"	Sathyabama Dental College and Hospital Chennai

<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Guest Lecture	Sri Ramchandra Dental College
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Certificate of Acclamation , for organising 6th ACDI Conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Purushotham M	2021-2022	Senior Lecturer	Certificate of Acclamation , for organising 6th ACDI Conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Arun D R	2021-2022	Senior Lecturer	Certificate of Acclamation , for organising 6th ACDI Conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Hasini V R	2021-2022	Senior Lecturer	Certificate of Acclamation , for organising 6th ACDI Conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Aravinthan S	2021-2022	Senior Lecturer	Certificate of Acclamation , for organising 6th ACDI Conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Mirnalini SelvaKumar	2021-2022	Senior Lecturer	Certificate of Acclamation , for organising 6th ACDI Conference	Conservative Dentistry and Endodontics Association of Tamilnadu
Dr. Kurinji Amalavathy	2021-2022	Professor and Head	Reviewed a Manuscript	Journal of Conservative Dentistry
Dr. Arun D.R	2021-2022	Senior Lecturer	Chaired session in IDA Molaris - 22	Saveetha Dental College and Hospital, Chennai
Dr. Mirnalini Selvakumar	2021-2022	Senior Lecturer	Chaired session in IDA Molaris - 22	Saveetha Dental College and Hospital, Chennai
Dr. Gayathri. S	2021-2022	Reader	Guest Lecture	Saveetha Dental College
Dr. T. Geetha	2021-2022	Tutor	Judge	Children's Dental Safari
Dr. Gayathri. S	2021-2022	Reader	Paper Presentation at Biomaterials Online Conclave 2022	National Center for Nanoscience and Nanotechnology,
Dr. S. Priya	2021-2022	Reader & HOD	Judge	Sathyabama Dental College and Hospital
Dr.S.Srividya	2021-2022	Reader	Guest Speaker Appreciation	Saveetha Dental College and Hospital
Dr.N.Premjanu	2021-2022	Senior Lecturer	Resource Person	Barath institute of Science and Technology
Dr.S.Srividya	2021-2022	Reader	Reviewer	Research Journal of Pharmacy and Technology
Dr.N.Premjanu	2021-2022	Senior Lecturer	Reviewer	Asian Food Science Journal

<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Dr.N.Premjanu	2021-2022	Senior Lecturer	Reviewer	International Journal of Biochemistry Research and Review
Dr.N.Premjanu	2021-2022	Senior Lecturer	Reviewer	Plant Cell Biotechnology and Molecular Biology
Dr.Balakumar	2021-2022	Professor	Chair Person	49 IPS National conference
Dr. Johara Maria Cruz	2021-2022	Professor	Judge- Faculty Scientific Session	49 IPS National Conference
Dr. Johara Maria Cruz	2021-2022	Professor	Judge- Scientific Session	TN & Pondicherry Prosthodontic Society Conference- Pondicherry
Dr. Johara Maria Cruz	2021-2022	Professor	Resource Person	Indian Prosthodontic Society -SDM College of Dental Sciences Dharwad
Dr.Srikanth . M.V	2021-2022	Senior Lecturer	Chairperson	Indian Prosthodontic Society -SDM College of Dental Sciences Dharwad
Dr.Srikanth . M.V	2021-2022	Senior Lecturer	Resource person	Indian Prosthodontic Society -SDM College of Dental Sciences Dharwad
Dr.Balakumar	2021-2022	Professor	Judge- Scientific Session	TN & Pondicherry Prosthodontic society Conference- Pondicherry
Dr.Anuradha.N	2021-2022	Reader & HOD, Physiology Department	Guest Lecture on "Mindful Eating"	Velammal Medical College & Hospitals, Madurai
Dr.Anuradha.N	2021-2022	Reader & HOD, Physiology Department	Chairperson at "Virtual Physiology Dent Fest 2021"	Saveetha Dental College & Hospitals, Chennai
Dr.Anuradha.N	2021-2022	Reader & HOD, Physiology Department	Examinership for Phd. Viva Voce for Mrs.Preetha	Saveetha Dental College & Hospitals, Chennai
Dr. Rupa Sri Dutt Roy	2021-2022	Reader, Physiology Department	Chairperson at "World Nature Conservation Day"	Sathyabama Dental College & Hospitals, Chennai
Dr.C.Pravda	2021-2022	Professor & Head	Chairperson, 47th Clinical Society Meeting	Sathyabama Dental College & Hospital
Dr.C.Pravda	2021-2022	Professor & Head	Chairperson, National e conclave on Radio Diagnosis x Tracking the hidden	SRM Dental College, Ramapuram
Dr.C.Pravda	2021-2022	Professor & Head	Chairperson, National Oral Medicine & Radiology Day	Tamilnadu Branch of Indian Academy of Oral Medicine & Radiology

Name of Full Time Teachers Receiving Awards	Year of Award	Designation	Name of the Award/ Fellowship	Name of the Awarding Agency
Dr.C.Pravda	2021-2022	Professor & Head	Resource person, Geo Artificial Intelligence - a paradigm shift in Health care applications	Sathyabama Institute of Science & Technology
Dr.C.Pravda	2021-2022	Professor & Head	Resource person, Prevention & Management of Oral Cancer	Sathyabama College of Nursing
Dr.C.Pravda	2021-2022	Professor & Head	Resource person, Women Wellness Program for Housekeeping staffs	Sathyabama Institute of Science & Technology
Dr.C.Pravda	2021-2022	Professor & Head	External Examiner for IV BDS	Sree Balaji Dental College & Hospital
Dr. Saakshi Gulati	2021-2022	Reader	Chairperson	Sathyabama Dental College and Hospital
Dr. Saakshi Gulati	2021-2022	Reader	Guest lecture	Sathyabama Dental College and Hospital
Dr.Preethi Nandagopal	2021-2022	Senior Lecturer	MOLARIS	Saveetha Dental College and IDA Thiruvallur
Dr. Nandhini Ganesan	2021-2022	Senior lecturer	MOLARIS	Saveetha Dental College and IDA Thiruvallur
Dr. Shahul Hameed Faizee	2021-2022	Professor	Guest Lecture	Sathyabama Dental College and Hospital
Dr. Xavier L. Dhayananth	2021-2022	Reader	Guest Lecture	Sathyabama Dental College and Hospital
Dr. Navaneetha Nambi	2021-2022	Reader	Guest Lecture	Sathyabama Dental College and Hospital
Dr. Veerasankar	2021-2022	Senior Lecturer	Guest Lecture	Sathyabama Dental College and Hospital
Dr. Evan Clement	2021-2022	Senior Lecturer	Guest Lecture	Sathyabama Dental College and Hospital
Dr. Xavier L. Dhayananth	2021-2022	Reader	Panellist	ROAR- Sri Ramachandra Faculty of Dental Sciences
Senthil Kumar S	2021-2022	Assistant Professor	Dedicated Teacher Award (nominated)	Cambridge University Press
Dr.V.Kavitha	2021-2022	Professor	NPTEL Topper in Mechanism in Organic Chemistry	NPTEL-MHRD
Dr. V.Kavitha	2021-2022	Professor	NPTEL Discipline Star	NPTEL-MHRD
Dr. V.Kavitha	2021-2022	Professor	Toycathon-Evaluator	Ministry of Education Innovation Cell
Dr. S. Supriya	2021-2022	Associate Professor	NPTEL Course - Fundamentals of Spectroscopy	NPTEL-MHRD



<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Dr.R.Subhashini	2021-2022	Professor	Technical Reviewer	Association of Scientists, Developers and Faculties(ASDF)
Dr.R.Subhashini	2021-2022	Professor	Innovation Ambassador	MOE's Innovation Cell, AICTE
Dr.R.Subhashini	2021-2022	Professor	IIC IPR External Member	Vellammal
Dr.R.Subhashini	2021-2022	Professor	Resource person	Jeppiaar Institute of Science and Technology
Dr.R.Subhashini	2021-2022	Professor	Leadership Award	Credo Systems
Dr. R. Jeberson Retna Raj	2021-2022	Professor	Student Project Scheme 2021 - 2022	TNSCST
Dr.S.Revathy	2021-2022	Associate Professor	Technical Reviewer	KSII Journal
Dr.S.Revathy	2021-2022	Associate Professor	Technical Reviewer	IEEE International Conference on Advanced Computing Technologies and Applications
Dr.S.Revathy	2021-2022	Associate Professor	Mentorship Award	Cognibot
Dr.S.Revathy	2021-2022	Associate Professor	Session Chair	Sathyabama Institute of Science and Technology
Dr.A.Christy	2021-2022	Professor	High Impact Factor Award	Sathyabama Institute of Science and Technology
Dr.A.Christy	2021-2022	Professor	Mentorship Award	Cognibot
Dr.S.Jancy	2021-2022	Assistant Professor	International Teaching Excellence award	I2OR
Dr.S.Jancy	2021-2022	Assistant Professor	Marco Dorigo Teaching Excellence Award	IMRF Institute of Higher Education and Research
Dr. S. Murugan	2021-2022	Associate Professor	Toycathon Judge	Ministry of Education
R.Kaja Bantha Navas	2021-2022	Assistant Professor	Resource Person for 10 hrs Design Thinking - Skill Development Course,	Andhra Pradesh State Skill Development Cooperation, Department of Skill and Training, Govt. of Andrapradesh: Appreciation Certificate
Manigandan Sekar	2021-2022	Assistant Professor	Literati Awards	Emerald, UK
Dr.B.Kanimozhi	2021-2022	Associate Professor	Certificate of Appreciation (High Impact Journal)	Sathyabama Institute of Science and Technology
Dr.M.Sangeetha	2021-2022	Associate Professor	Certificate of Appreciation (High Impact Journal)	Sathyabama Institute of Science and Technology



<b>Name of Full Time Teachers Receiving Awards</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the Award/ Fellowship</b>	<b>Name of the Awarding Agency</b>
Mr. Jayaprakash	2021-2022	Assistant Professor	Certificate of Appreciation	Sathyabama Institute of Science and Technology
Dr. J.Lilly Mercy	2021-2022	Assistant Professor	Reviewer Award	Elsevier- Ceramics International
Dr.D.Velumoni	2021-2022	Associate Professor	Erasmus + STA Scholarship	Erasmus+
Dr.J.Rani	2021-2022	Associate Professor	Erasmus + STA Scholarship	Erasmus+
Dr.S.Packialakshmi	2021	Professor	Women Researcher Award	VD Good Professional Association, India
Dr.R.Padmapriya	2021	Professor	Best Paper Award	International Conference in SRMIST
Dr. R. Padmapriya	2021	Professor	Research Excellence award	Institute of Researchers
Dr.R.Padmapriya	2021	Professor	Advisory Committee member	P.T. Lee Chengalvaraya Naicker Polytechnic College (PTLeeCNPTC) and Centre for Research & Training (CRT) National Foundation for Entrepreneurship Development (NFED)
Mr. J. Vanjinathan	2021	Assistant Professor	Academic expert - DAC	Sri Ramakrishna Engineering College, Coimbatore
Dr.G.Arunkumar	2021	Professor	Best Teacher award	Union Minister of State, Ministry of Law and Justice
Dr.S.Ganesan	2021	Professor	Best Researcher Award	Science Father
Dr.G.Senthilkumar	2022	Associate Professor	Lifetime Achievement Award	Novel Research Academy
Dr.S.Packialakshmi	2022	Professor	Asian Education Award - Contribution for Student Development	Kites Kraft Productions
Dr.R.Nirmala	2022	Assistant Professor	Reviewer	Sustainable Energy Technologies and Assessments - Elsevier
Dr.R.Padmapriya	2022	Professor	Reviewer	Materials Today Proceedings
Dr.R.Nirmala	2022	Assistant Professor	Reviewer	Asian Journal of Biochemistry, Genetics and Molecular Biology

## 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

Name of the Investigators (PI/CO-PI)	Title of the Project	Funding Agency	Duration of the Project with Sanctioned Year	Sanctioned Amount in Rs.	Status (Completed Ongoing/ Sanctioned)
Dr. Shyju T.S.	Development of Novel Quaternary Metal Chalcogenides for Energy Harvesting Applications	UGC-DAE-CSR	3 years (2022)	2.53	Ongoing
Dr. M. Radhakrishnan, PI	Diversity and Distribution of Culturable and Non-Culturable Forms of Marine Actinobacteria and its role in Southern Ocean Biogeochemistry	NCPOR	3 years; 2019	38.3	Ongoing
Dr. Jerrine Joseph, PI	Distribution of Culturable Marine Micromonospora in Mangrove Ecosystems, Tamil Nadu	MoES	2 Years; 2019	13.45	Completed
Dr. P. Krupakar, PI	Identification of Biomarkers for the Development of Rapid Diagnosis of Pulmonary Tuberculosis by Quantum dot Bio-imaging	MHRD SPARC	3 Years; 2019	48.77	Ongoing

<b>Name of the Investigators (PI/CO-PI)</b>	<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Duration of the Project with Sanctioned Year</b>	<b>Sanctioned Amount in Rs.</b>	<b>Status (Completed Ongoing/ Sanctioned)</b>
Dr. M. Radhakrishnan, PI	Exploring marine actinobacteria for anti-infective and industrial products	DBT	3 Years; 2021	48.66	Ongoing
Dr. Krupakar Parthasarathy (PI)	Elucidating the structural and functional characterization of membrane and envelope protein from SARS Co V-2 and its variants in virus like particle formation and its role in the virus assembly and release.	ICMR	3 Years; 2022	31.66	Ongoing
Dr.S.Johnson Retnaraj Samuel (PI), Dr. Y Beryl Vedha (Co-PI)	Exploring an extinct heritage food “Marunthu Kulambu” used for rejuvenating the health of postpartum women and evaluating its scientific importance	DST	2 Years; 2022	15,14,000	Ongoing
Dr. Y Beryl Vedha (PI), Dr.S.Johnson Retnaraj Samuel (Co-PI)	Molecular mechanistic role of ar- turmerone, a promising drug candidate for the treatment of Parkinson’s disease	SERB	3 Years; 2022	27,13,425	Ongoing
Dr. S. Jackson Durairaj (PI), Dr.S.Johnson Retnaraj Samuel (Co-PI)	Preserving the tribal practice and exploring the molecular level evidence behind the use of spider web for wound healing and abscess.	DST	2 Years; 2022	20,80,000	Ongoing
Dr.S.Jackson Durairaj (Mentor), Mr. Karthikeyan (PI)	Analysis of atrazine induced pathological variation associated with Alzheimer’s disease using a zebrafish genetic model.	SERB-OVDF	18 Months; 2021	21,95,282	Ongoing
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
Ms. Sindu Divakaran / Dr. Grace Kanmani	Smart wearable prediction and detectable device	DST	3 years / 2021-2022	38,38,304	Ongoing
Dr.A.Sivasangari (PI) / Dr.Grace Prince, Mrs.Sindhu (CO PI)	Smart Wearable epilepsy seizure prediction device	DST	2 years- (2021-23)	38,38,340	Ongoing

Name of the Investigators (PI/CO-PI)	Title of the Project	Funding Agency	Duration of the Project with Sanctioned Year	Sanctioned Amount in Rs.	Status (Completed Ongoing/ Sanctioned)
Dr. A. Sivasangari, Dr.P. Ajitha (CO PI)	Agri Innovation Hub for Holistic Development of scheduled tribe population in Anaicut block Jawadu hills, Vellore Dist.	DST	3- (2022-25)	2,83,41,335	Ongoing
Dr.Kishore sonti PI and Dr.A.Sivasangari- CO PI	Scheme for promoting Interest, Ethics, Creativity among the students(SPICES)	AICTE	1- (2021-22)	1,00,000	Ongoing
Dr.R.Subhashi -PI and Dr.A.Sivasangari- CO PI	Grant for Organizing Conference	AICTE	1 - (2021-22)	1,67,700	Completed
Dr Ganesh, Centre for Ocean Technology (Dr.N.Nazini & A.R.Vimal Raj, Coordinators)	Sathyabama Health Communication Programme	DST-NCSTC	1 year (2021)	11 Lakhs	Ongoing
Dr Lakshmanan, Dr Sardar Maran	Prediction and analysis of mesoscale thunderstorm in Tamilnadu - A Computational Approach	Ministry of Earth Sciences	2 year , 2022	20,00,000	Ongoing
Dr. P.M. Velmurugan	Ocean Acidification and its Impact on Benthic Calcareous Organisms: Implications from Palk Strait Bay of Bengal	SERB	Three Years	37,25,960	Ongoing
Dr. P.M. Velmurugan	Toxicity of Microplastics and Phthalates, as well as their Abundance, Distribution and Drivers, in groundwater and surface water from Ennore to Kovalam on the east coast of India	SERB	Three Years	22,63,360	Ongoing
Dr.B. Sheela Rani (PI), Dr.D. Inbakandan (Co-PI), Dr.L. Stanley Abraham (Co-PI), Dr.V. Ganesh Kumar (Co-PI), Dr.K. Govindaraju (Co-PI)	TIFAC - MSME Academic partner Centre	DST-TIFAC	2 Years 2021-2023	40,00,000	Ongoing
Dr. D. Inbakandan	Development of antifouling technologies against green mussel fouling for process cooling water system of MAPS (2020-2023)	BRNS	3 years 2021-2024	33,97,000	Ongoing

Name of the Investigators (PI/CO-PI)	Title of the Project	Funding Agency	Duration of the Project with Sanctioned Year	Sanctioned Amount in Rs.	Status (Completed Ongoing/ Sanctioned)
Dr. D. Inbakandan	Marine microbial product based eco-friendly nanocomposites for marine antifouling application	DBT	3 years 2021-2024	60,50,000	Ongoing
Dr.B. Sheela Rani (Coordinator), Dr.D. Inbakandan (PI), Dr.L. Stanley Abraham (PI), Dr.V. Ganesh Kumar (PI), Dr.K. Govindaraju (PI), Dr. V. Karthik (PI) and Dr. T. Stalin Dhas(PI)	Ministry of Earth Science - Earth Science Technology Cell	MoES-ESTC	4 years 2019-2023	3,41,85,570	Ongoing
Dr.V.Ganesh Kumar (PI), Dr.D. Inbakandan (Co-PI), Dr.N. Nazini (Co-PI), Dr.L. Stanley Abraham (Co-PI), Mr.AR Vimal Raj(Co-PI)	DST Sathyabama health Communication programme	DST - NCSTC	1 Year 2021-2022	11,00,000	Ongoing
Dr. K. Govindaraju (PI); Dr. D. Inbakandan (Co-PI)	Studies on the anticancer potential of venom proteins from jellyfish species and their structural characterization	DBT, New Delhi	4 Years 2018-2022	28,31,800	Completed
Dr. K. Govindaraju (PI); Dr. M. Ravi (Co-PI)	Preparation of Biogreen carbon dots as potent and tractable antimicrobial activity	TNSCST, Chennai	2 years 2021-2023	1,90,000	Ongoing
Dr. M. Ravi	Characterization and DNA barcoding of polychaetes from the South east coast, India	MoES	3 years 2019-2022	34,52,760	Ongoing
Dr. T. Stalin Dhas	Improving in vivo reliability of resorbable magnesium implant material using bio-polymer and graphene oxide nanosheets (2019-2022)	DST-TARE	3 years 2020-2023	18,30,000	Ongoing
Dr. K. Nagamani / Dr. Anoop Kumar Mishra	Towards Developing a Near Real-Time Flash Flood Risk Monitoring Scheme over India	CSIR	2021-2024	21,00,025	Ongoing

Name of the Investigators (PI/CO-PI)	Title of the Project	Funding Agency	Duration of the Project with Sanctioned Year	Sanctioned Amount in Rs.	Status (Completed Ongoing/ Sanctioned)
Dr. P. Velmurugan (PI) / Dr. Prabhu Dass Batvari (Co-Investigator) Dr. Marykutty Abraham (Co-Investigator)	Toxicity of micro plastics and phthalates as well as their abundance, distribution and divers in groundwater and surface water from Ennore to Kovlam on the east coast of India	SERB, DST	2022, 3 years	22,63,360	Ongoing
Dr. G. Murugadoss	Design and Fabrication of High-Efficiency Large-Area Perovskite Solar Module	SERB-TARE	3 Years, 06-Oct-2022	15,00,000	Ongoing
Dr. G. Murugadoss	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	4,50,000	Ongoing
Dr. Gobi Saravanan	Ad-hoc ICMR scheme	ICMR	2021-2022- 3 years	18.24	Ongoing
Dr. Subhenjit Hazra	UGC Start-Up Research Grant	UGC	2021-2023-3 years	10	Ongoing
Dr. Subhenjit Hazra	DRDO Extramural Research	DRDO	2021-2024-3 years	16.8	Ongoing
Dr. Subhenjit Hazra	UGC DAE Consortium Project	UGC DAE CRS	2022-2025 - 3 years	15.77	Ongoing
Dr. Vinita Vishwakarma	Science Technology and Innovation Hub	DST	2021-2022 - 3 years	2,36,05,264	Ongoing
Ramanjaneya Reddy G	UGC Start-Up Research Grant	UGC	2021-2022-3 years	10	Ongoing
Dr. Shyju T.S.	Materials Development for Solar cell applications	Sathyabama	2020-2023	2,00,000	Ongoing
Dr. Jerrine Joseph, PI	Fabrication of plant based nutrition bar to enhance brain gut microbiome	Sathyabama	2021; 1 Year	25,000	Ongoing
Dr. V. Gopikrishnan, PI	Exploration of Bioactive Pigment from Organic Waste and its value added applications	Sathyabama	2021; 1 Year	50,000	Ongoing

Name of the Investigators (PI/CO-PI)	Title of the Project	Funding Agency	Duration of the Project with Sanctioned Year	Sanctioned Amount in Rs.	Status (Completed Ongoing/ Sanctioned)
Dr. Krupakar Pathasarathy, PI	Polyherbal formulation for reducing the viral load of respiratory diseases (CoVID 19) using steam therapy	Sathyabama	01-09-2020 to 01.06.2022	2 Lakhs	Ongoing
Dr. S. Jackson Durairaj	Earthworm a unique model to monitor the electromagnetic hazards associated with the exposure of high voltage overhead electric lines.	TNSCST	4 months; 2022	7500	Completed
Dr. T. Sudhakar, Ms. Sindu Divakaran	Hydrakit	Sathyabama - TBI	1 year - July 2022	50,000	Ongoing
Dr. Grace Kanmani, Dr. Bethanney Janney	Breath Analyzer	Sathyabama - TBI	1 year - July 2022	75,000	Ongoing
A. Annam Renita	Biopolymer based Eco bags	SIST - Seed Fund	2022	1,00,000	Sanctioned
Dr. M. Nirmala and Dr. D. Angel	Gamification for Calculus in Math Classrooms	SEED Funding	6 months	45,511	Completed
Dr.G.Senthilkumar	Nano bubbles Technology	SIST	1 Year/ 2021	1,06,760	Ongoing
Dr. J. Jeyajeevahan	Design and Fabrication of Edible Oil Film Making Machine	SIST	1 Year/ 2021	1,88,380	Ongoing
Dr. Jeberson	Automated Car Door Open Warning and Locking Safety System	TNSCST	1 year	7500	Completed
Dr.R.Subhashini, Dr.A.Sivasangari	AICTE Sponsored International Conference	AICTE	1 year	1,67,700	Completed
Dr. Sivasangari, Dr.S.Revathy, Dr. Gomathi	Sathyabama Canteen App	Sathyabama Seed	1 Year	20,000	Completed
Dr. S. Prakash and Dr. Amit Kumar	MarOrn shrimp feed for commercial ornamental shrimp production	SIST	1 year	1,02,500	Completed
Dr Angelin Aneesha R (MDS students from Pedodontics and Preventive Dentistry)	Evaluation of Antibacterial efficacy of Four different dental varnishes- an Invitro study	SIST	Dec-21	13,000	Completed

Name of the Investigators (PI/CO-PI)	Title of the Project	Funding Agency	Duration of the Project with Sanctioned Year	Sanctioned Amount in Rs.	Status (Completed Ongoing/ Sanctioned)
Dr. L. Stanley Abraham	Biopolymer based phycobags	Sathyabama TBI	1 year	1, 00, 000	Ongoing
T. Stalin Dhas	Pectogel Nano Biowrap	Sathyabama TBI	one Year (2022)	80,000	Ongoing
Dr. V. Karthick	NanoG	Sathyabama TBI	6 months (2022)	75,000	Ongoing
Dr.D.Inbakandan, Mr. S. Lakshmi Narayanan,Mr.S.Manikandan, Mr. S.A.S. Suriya raj, Arjun Aditya	Samudhrika	Sathyabama TBI	1 year	90000	Ongoing
Dr Mekalathur Roja Raman	Three days International workshop on Technical and Scientific aspects of Lidar Remote sensing of the atmosphere	DST-SERB	3 days	1,00,000	Completed
Dr. K. Nagamani	Three Days Training Program	NGP-DST	3 DAYS	3,00,000	Completed
Dr. G. Murugadoss	Production and commercialization of high-quality selective metals and metal alloys nanoparticles for diverse applications	SIST	2 Years, October, 2021	2,00,000	Ongoing

## 8.2 PATENTS PUBLISHED/AWARDED/APPLIED DURING THE YEAR

Department	Name of the inventors	Title of the invention	Patent/Applicat ion Number	Status (Grated/Pub lished/Filed)
ECE	G Jegan	Effective Management Analysis Of Signal Coverage And Novel Design Of Triangular Patch Antenna For Quasi Elliptic Band Pass Response	202041020290	Published
Centre for Drug Discovery and Development	Jerrine Joseph	Steptovate SIST-Bio formulated Biocontrol Cum Growth Promoter	202141032316	Filled



<b>Department</b>	<b>Name of the inventors</b>	<b>Title of the invention</b>	<b>Patent/Applicat ion Number</b>	<b>Status (Grated/Pub lished/Filed)</b>
Centre for Drug Discovery and Development	Jerrine Joseph	A Method of Preparing Transdermal Wound Healing Patch from Herbal Extracts	2021103381	Granted
Centre for Drug Discovery and Development	Jerrine Joseph	A Method of Preparing Ethno Herbal Farm Produce Sanitizer	2021103471	Granted
Centre for Drug Discovery and Development	Jerrine Joseph, T. Rajasekar, Wilson Aruni., Maryshamya A., S. Kumaran,	Methods for Preparation of Bio fortified Seaweed Chacos Chips	2021106545	Granted
Centre for Drug Discovery and Development	S. Kumaran, Wilson Aruni, S.R. Pugazhavendan, Saradha devi, Mariappan., E. Anandajothi., K.Elumalai, Panagal Mani., Rajasekar T	Methods for Promoting Feed Growth Performance and Immune Response in Commercial Aquaculture	2021106645	Granted
Centre for Drug Discovery and Development	S. Kumaran	Method for Preventing or Treating Infection Caused by Bacteriophage Cocktails in Shrimp Aquaculture System	2021106651	Filled
Centre for Drug Discovery and Development	M. Radhakrishnan	Bio hydrogen from Saccharolytic Bacteria	202241005841	Filled
Centre for Drug Discovery and Development	Kumaran Subramanian, Mani Panangal, Wilson aruni, Senthilkumar S.R., Gopinath G.V, Aathira TM, Job Gopinath M, Akilan, Pugazhvendan Sampath Renuga	Method For Preparation Of Active Ph And Intelligent Packaging In Food Packing Industries	2021106690	Granted

Department	Name of the inventors	Title of the invention	Patent/Applicat ion Number	Status (Grated/Pub lished/Filed)
Centre for Drug Discovery and Development	Aruni Wilson, Deivasigamani B, Balakrishnan .Elumalai K, Mahendrakumar M, Mariappan M, Saradha Devi N, Mani Panangal, Mohanambal R, Pugazhvendan S.R., Kumaran Subramanian, Thangavel Lakshmi	Fish Feed Formulation	202022101450	Granted
Centre for Molecular and Nanomaterial Science	Dr. S. Jackson Durairaj, Dr Kunal Biswas and Mr. Kamarajan	A Deep Root Watering System	202241036037	Published
Biomedical	Dr. T. Sudhakar	Health Monitoring Device	365449-001	Filed
Chemical Engineering	D Venkatesan	Synthesis Method of Bioplastic Materials and Biodegradation Analysis	202141060784	Published
Chemical Engineering	D Prabu	Synthesis Method of Nanocomposites for The Removal of Phenanthrene	202241010900	Published
Chemical Engineering	D Prabu	A Method for Removal of Cadmium (Ii) from Aqueous Solutions	202241036041	Published
Chemical Engineering	D Venkatesan	A Method for Synthesis of Bioplastics	202241036042	Published
Chemical Engineering	A.Anderson, Annam Renita.A, Guggila Sri Harsha	Portable Biogas Plant	351987-001	Granted
English	Dr. P. Jayakumar	The Impact of Social Media on Student's Education	202241050146	Published
School of Pharmacy	Dr.A.Thirumalaikumaran	Dental Implant Box	3373880011	Published
Mathematics	Dr. M. Nirmala and Dr. D. Angel	Calculus Whizz Game	yet to receive	Filed
Mathematics	J.Jayapriya	IoT Based Nozzle And Shell Junction For Feed Water Heater	202141059532 A	Published

Department	Name of the inventors	Title of the invention	Patent/Applicat ion Number	Status (Grated/Pub lished/Filed)
Mathematics	J.Jayapriya	IoT Based Smart Material For EV Segment Using Wire Electrical Discharge	202241006784 A	Published
Mathematics	J.Jayapriya	Three-Dimensional Printer	B29C 64/20	Granted
Mathematics	J.Jayapriya	Embedded System Based Sensing Of Flow Behaviour Of Biocompatible Titanium Alloy Ti-6Al-7Nb At Higher Elevated Temperature	202111042984	Published
Mathematics	J.Jayapriya	Toilet	349751-001	Published
Mathematics	J.Jayapriya	Multi-Rotor Horizontal Wind Turbine	202141021169 A	Published
Mathematics	J.Jayapriya	Block chain based Internet Of Thing Cross-Domain Verification System	202022103700	Granted
Mathematics	H Girija Bai	Solar powered public sitting furniture	215433	Published
Mathematics	K. Bhuvanewari	Artificial neural network-based surface defect prediction in hot rolled pipe	202141033336 A	Published
Mathematics	Dr. S. Maheswari, Dr. Priya Shirley Muller, Dr. R. Parameswari	EDP, Operation Research Based LSC – (Logistics & Supply Chain Management System)	202241007774	Published
Mathematics	Dr. Rajesh Kanna, Mrs.Roopa, Dr.Madhavi, Dr.Rajini, Dr.Suvarchala, Dr.M.Mallika, Dr.Nagalakshmi, Mr.Manoj Kumar	Predict the occurrence of radiation fog using statistical and ML models	202241030690	Published
Mechanical Engineering	Dr.G.Arunkumar	Pneumatic Vehicle for Industrial Application	352030-001	Granted
Mechanical Engineering	Dr.G.Arunkumar	Manned Aerial Vehicle for Emergency Services	340541-001	Granted
Mechanical Engineering	Dr.G.Arunkumar	Drilling Machine	327181-001	Granted
Mechanical Engineering	Dr.G.Arunkumar	Auto inflammatory Cushions for Mobile safety	328036-001	Granted

Department	Name of the inventors	Title of the invention	Patent/Applicat ion Number	Status (Grated/Pub lished/Filed)
Mechanical Engineering	Dr.G.Arunkumar	Solar Empowered Agricultural Robot	326866-001	Granted
Mechanical Engineering	Dr.J.Hemanandh	Swirler cutter design of agricultural drone	366815-001	Filed
Mechanical Engineering	Dr.J.Hemanandh	Spike feeder-solid waste management drone	366816-001	Filed
IT	R Subhashini	Integrated intelligence resource and security management system for cloud data centres	2021102752	Granted
IT	Dr.A.Sivasangari, Dr.P. Ajitha	Hybrid swarm optimization algorithm for clustering and routing in IoT networks	2021102882	Granted
IT	A., Sivasangari; P., Ajitha; R.M, Gomathi	Framework for ensuring data security in IoT smart meters and gateways interaction of neighbourhood area networks	2020101790	Granted
IT	A., Sivasangari; P., Ajitha; R.M, Gomathi	IoT Enabled Control System For Crop Management	201841001375	Published
Civil Engineering	Mrs.B.Priyadharshini, Ms.P.Eshanthini and Mrs.R.Nirmala	Method for removal of Chromium from ground water using activated carbon from shell of Cocos Nucifera.	221104271	Published
Civil Engineering	Dr.S.Packialakshmi	Floating Rafter for Wetland Treatment	351985-001	Granted
CSE	N.S.Usha	Smart baby sit monitoring system	202241014022	Published
CSE	T.Venketbabu	Android document sharing system using block chain technology	202241019701 A	Published
CSE	Dr.G.M. Karpura Dheepan	Priority generator and the method thereof by implementing artificial intelligence for diagnosing patients in hospitals	202241013890	Published
CSE	Dr.M.Maheswari, Dr.G.Kalaiarasi, Dr.M.Selvi, R.Yogitha, R.Aishwarya	Cloud based child education monitoring system using Internet of Things	202241011365	Published

Department	Name of the inventors	Title of the invention	Patent/Applicat ion Number	Status (Grated/Pub lished/Filed)
CSE	Dr.G.Nagarajan	Digital nodal equation generator for smart learning via mobile device	202041010208	Published
CSE	Dr.T.Judgi	Detecting land movement and estimating soil moisture data using multi-temporal UAV images using a machine learning model	202141061006	Published
CSE	Dr. D. Usha Nandini, Dr.R.Sathyabama Krishna, Dr.S.Prince Mary, Dr.G. Nagarajan	Automatic face mask vending machine embedded with QR code for cashless money transfer	350552-001	Granted
CSE	Dr. R. Aroul Canessane, Dr. S. Prayla Shyry, M. S. Roobini, Dr.G.Nagarajan,	Portable stand with digital saline liquid level monitoring and alerting device	361463-001	Granted
CSE	Dr Veena K	A machine learning based bandwidth monitoring and notification system for ensuring effective and quality service of telecom operator	202241000029	Published
CSE	Y Bevish jinila, S Prayla Shyry	Smart segregator alert trash bin	202141008152	Published
CSE	Dr.G.Nagarajan, Dr. S. Nirmalraj, Dr. D. Godwin Immanuel, Dr. S. D. Sundarsingh Jebaseelan	Automatic face mask and sanitizer dispenser	350553-001	Granted
CSE	Dr.G.Nagarajan, Dr. A. Christy, Dr. T.Sasikala, G. Kalaiarasi	Touch free face mask dual dispensing system with image sensing sensor	350558-001	Granted
CSE	Dr.G.Nagarajan, Dr. S. Nirmalraj, Dr. S. D. Sundarsingh Jebaseelan	Automatic Face Mask Dispenser with image Sensing Sensor	350551-001	Granted
CSE	T.Venketbabu, E.Murali	Artificial intelligent based prediction and recommendation of diabetes using matlab approach	202141056334 A	Published
CSE	Dr.R.Sathyabama Krishna, Dr.D.Usha Nandini, Dr.S.Prince Mary, Dr.G.Nagarajan	Coin operated automatic face mask vending machine	350555-001	Granted



<b>Department</b>	<b>Name of the inventors</b>	<b>Title of the invention</b>	<b>Patent/Applicat ion Number</b>	<b>Status (Grated/Pub lished/Filed)</b>
CSE	Dr. Joshila Grace L.K	Intelligent system & method for recognizing fake speech using artificial intelligence & block chain technology	2021104203	Granted
CSE	C.Hemalatha, S.R.Srividhya	An artificial neural network based wing mirror for vehicles	202141036868	Published
CSE	Dr.E.Srividhya, Dr.S.Jayanthi, Mr.Babu Mr.Amandeep Singh	System for night vision patrolling robot using cloud-based-IoT	202141040843	Published
CSE	Dr.E.Srividhya, Dr.S.Jayanthi	A system of computer vision and machine learning for optical character recognition	202141031333	Published
CSE	N.Srinivasan	Detection of anonymous actions in video surveillance using convolutional neural networks	202141030798	Published
CSE	Dr S Vigneshwari	Walking stick for elderly	344328-001	Granted
Oral Medicine and Radiology - Sathyabama Dental College & Hospital	Dr.C.Pravda	A method of preparing ethno-herbal farm produce sanitizer	2021103471	Published
Centre for Earth & Atmospheric Sciences	B. Prabhu Dass Batvari	Water filter	370037-001	Filed
Centre for Earth & Atmospheric Sciences	B. Prabhu Dass Batvari	Portable water filter with dual storage tank	370038-001	Filed
Centre for Ocean Research	Dr. L Stanley Abraham,	Exhaust Gas Converter	316218-001	Granted
Centre for Ocean Research	D. Vinu, K. Govindaraju, B. Sheela Rani	Automatic Thermostat Controller	349151-001	Granted

<b>Department</b>	<b>Name of the inventors</b>	<b>Title of the invention</b>	<b>Patent/Applicat ion Number</b>	<b>Status (Grated/Pub lished/Filed)</b>
Centre for Ocean Research	D. Vinu, K. Govindaraju, B. Sheela Rani, L. Stanley Abraham	Thermostat Controlled Culture Device	346421-001	Granted
Centre for Ocean Research	D.Vinu, K.Govindaraju, B.Sheela Rani	A method for Development of Nanoscale Nutrients based Shrimp Functional Feed Formulations	202141009577	Filed
Centre for Ocean Research	M. Ravi, B. Sheela Rani, L. Stanly Abraham, D. Inbakandan	Box Type Marine Sediment Soil Sampler	355069-001	Grated
Centre for Ocean Research	Dr. V. Vijayabaskar, K. Lakshmi Divya, Dr. E. Logashanmugam, Dr. M.S. Godwin Premi, Dr. Sankar Ganesh Devaraj, Mr. C. Kumar	Volatile compounds extraction apparatus/ 24-02	369011-001	Filed
Centre for Ocean Research	Dr. V. Vijayabaskar, K. Lakshmi Divya, Dr. E. Logashanmugam, Dr. M.S. Godwin Premi, Dr. Sankar Ganesh Devaraj, Mr. C. Kumar	Volatile compounds extraction apparatus with heat plate/ 24-02	369011-002	Filed
Centre for Ocean Research	B. Subashni, R. Thirugnanasambandam	Aquarium Water Ph Temperature Meter with Display	342144	Granted
Centre for Ocean Research	Dr. R. Thirugnanasambandam	Fish Tank with PH Monitor	357750	Granted
Centre for Remote sensing and Geoinformatics	Dr Mecalathur Roja Raman	Low cost Regional Aerosol particle Measurement solution (RAMSol)	372283001	Filed
Centre of Excellence for Energy Research	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology	Solvent effect on structure and morphology of formamidinium lead tri-iodide perovskite via hydrothermal method	202022103536	Granted

<b>Department</b>	<b>Name of the inventors</b>	<b>Title of the invention</b>	<b>Patent/Applicat ion Number</b>	<b>Status (Grated/Pub lished/Filed)</b>
Centre of Excellence for Energy Research	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Kuppusami Parasuraman, Dr. Sunitha Salla	A composition for synthesizing Ag doped CuO and SnO <sub>2</sub> nanoparticles: Application on textile dyes removal	202022103529	Granted
Centre of Excellence for Energy Research	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 Super capacitor by Using Graphene Derived Nickel-Copper Metal-Oxide Nanocomposite	202022103526	Granted
Centre of Excellence for Energy Research	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	202022103357	Granted
Centre of Excellence for Energy Research	Dr. Govindasamy Murugadoss, Sathyabama Institute of Science and Technology, Dr. Kuppusami Parasuraman, Dr. Shyju Thankaraj Salammal, Dr. Rajasekar Mani, Dr. Subhenjit Hazra	Decoration of ZnO surface with tiny sulfide-based nanoparticles for improve photocatalytic degradation efficiency	20 2022 103 048	Granted

<b>Department</b>	<b>Name of the inventors</b>	<b>Title of the invention</b>	<b>Patent/Applicat ion Number</b>	<b>Status (Grated/Pub lished/Filed)</b>
Centre of Excellence for Energy Research	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	202022103413	Granted
Centre of Excellence for Energy Research	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 <sub>2</sub> O <sub>3</sub> ) Nanoparticles for Electrochemical Determination of Hydrazine	202022103356	Granted
Centre of Excellence for Energy Research	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 Super capacitor Applications	202022100601	Granted
Centre of Excellence for Energy Research	Dr. G. Murugadoss, Dr.K.Thiruppathi, Dr.C.Meganathan, Dr.S.Shanmugan, Dr.V.Chithambaram	Method For Facile Synthesizing Heterostructure NiO-SnO <sub>2</sub> Nanocomposite For Selective Electrochemical Determination of L-Cysteine	202141050557	Published
Centre of Excellence for Energy Research	Dr. T. Sasipraba, Dr. G. Murugadoss, Dr. P. Kuppusami and Dr. N. Anandhan	A Facile Synthesis Method for Structural and Morphological Tuning of Copper-Based Metal Oxide Nanoparticles and Sensor Application	202141043273	Published
Centre of Excellence for Energy Research	Dr. G. Murugadoss, Dr. Rajesh Kumar Manavalan, Dr. K. Thiruppathi, P. Jayanthi	Method for Removing Dye Pollutants and Bacterial Pathogens Using Quaternary ZnO-PbO-CdO-CuO Nanocomposite	202141032880	Published

<b>Department</b>	<b>Name of the inventors</b>	<b>Title of the invention</b>	<b>Patent/Applicat ion Number</b>	<b>Status (Grated/Pub lished/Filed)</b>
Centre of Excellence for Energy Research	Dr. T. Sasipraba, Dr. G. Murugadoss and Dr. P. Kuppusami	Perovskite material and method for fabricating thereof	202141023052 A	Published
Centre of Excellence for Energy Research	Dr. G. Murugadoss, Dr. T. Sasipraba, Dr. M. Rajasekar, K. Thiruppathi, Dr. C. Meganathan, Dr. Rajesh Kumar Manavalan	Method for Preparation of Room temperature Stable Photoactive Formamidinium Lead Iodide perovskite	2021106454	Granted



### 8.3 RESEARCH PUBLICATIONS DURING THE YEAR

#### 8.3.1 HIGH IMPACT PUBLICATIONS JULY 2021 - JUNE 2022

### SUMMARY REPORT

Department	School of Mechanical	School of Bio & Chemical	School of Building & Env.	S &H	School of Computing	School of Electronics	Co. Dr. JRP	Dental	Pharma	IRC	CDDD & Aqua
Publications Count	76	34	2	35	60	71	46	2	5	85	25
Highest I.F	11.07	10.7	3.8	12.7	8.99	8.0	8.9	3.7	13.4	12.07	10.75

### PERFORMANCE COMPARISON

Details	2018-2019	2019-2020	2020-2021	2021-2022
Total List of Publications	94	209	289	441
Highest Impact Factor	8.456 (IRC)	12.959 (JPR RP)	14.982 (IRC)	13.4 (Pharmacy)
Impact Factor <b>Greater than 5</b>	12	21	97	126
Impact Factor <b>between 5 to 3</b>	34	48	79	136
Impact Factor <b>between 3 to 1</b>	36	79	92	154
Impact Factor <b>between 0.1 to 1</b>	12 (0.5 to 1)	61	21	25

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
1	Dr.Anderson A	Aero	Other university	Treatment of heavy metals containing wastewater using biodegradable adsorbents: A review of mechanism and future trends	295, May 2022, 133724	Chemosphere	8.943	WoS
2	Dr.Anderson , A	Aero		Performance enhancement and ANN prediction of R600a vapour compression refrigeration system using CuO/Sio2 hybrid Nano lubricants: an energy conservation approach	34 (6), 09 November 2021.	Neural Computing and Applications	5.102	WoS
3	Other University	Aero	Abroad University	Investigation on Hot Corrosion Behaviour of Inconel 625 and Incoloy 800H Super alloys with YSZ-Thermal Barrier Coating under High-Temperature Environment for Bioreactor Applications	Feb. 2022, vol. 2, pp.1-12.,.	Journal of Nanomaterials	3.791	WoS
4	Dr. Anderson. A	Aero	Other University	Effect of novel tool path pattern on mechanical properties of friction stir welded AA6061 alloy	03-Feb-22	Applied Nanoscience	3.869	WoS
5	Dr. Anderson. A	Aero		Hot corrosion behaviour of Hastelloy X and Inconel 625 in an aggressive environment for super alloys for high-temperature energy applications	03-Feb-22	Applied Nanoscience	3.869	WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
6	Dr.Anderson , A	Aero	Other University	Effects of Nano fluids on the photovoltaic thermal system for hydrogen production via electrolysis process	31-Jan-22	International Journal of Hydrogen Energy	7.139	WoS
7	Dr.P. Booma Devi	Aero	Other University	Role of injection pressure on fuel atomization and spray penetration on the Thevetia peruviana and Jatropha curcas biodiesel blends with nanoparticle.	Volume 324, 15 September 2022	Fuel.	8.035	WoS
8	Dr.P. Booma Devi	Aero	Other University	Estimation of the engine performance and emission characteristics of hydrogen feed vehicles with modified injection fuel system.	Volume 329, 1 December2022	Fuel.	8.035	WoS
9	Manigandan Sekar	Aero	Aboard University	Production and utilization of pyrolysis oil from solid plastic wastes: A review on pyrolysis process and influence of reactors design	Nov 2021,.Vol 302	Journal of Environmental Manage	8.91	WoS
10	Manigandan Sekar	Aero	Aboard University	Combustion and emission characteristics of diesel engine fuelled with Nano catalyst and pyrolysis oil produced from the solid plastic waste using screw reactor.	August 2021,.Vol 318	Journal of Cleaner Production.	11.07	WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
11	Manigandan Sekar	Aero	Manigandan Sekar	Prediction of the fuel spray characteristics in the combustion chamber with methane and TiO <sub>2</sub> nanoparticles via numerical modelling	June 2022.Vol 326	Fuel	8.03	WoS
12	Manigandan Sekar	Aero	Aboard University	Techno-economic review on short-term anthropogenic emissions of air pollutants and particulate matter.	August 2021.Vol 305	Fuel	8.03	WoS
13	Manigandan Sekar	Aero	Manigandan Sekar	Central composite design for the optimization of CaO and Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> facilitated transesterification of Scenedesmus sp. oil for fatty acid methyl ester production	April 2022.Vol 321	Fuel	8.03	WoS
14	Manigandan Sekar	Aero	Manigandan Sekar	Comparative assessment of waste cooking, chicken waste and waste tire biodiesel blends on performance and emission characteristics	March 2022.Vol 320	Fuel	8.03	WoS
15	Manigandan Sekar	Aero	Manigandan Sekar	Small scale photo bioreactor, outdoor open pond cultivation of Chlorella sp. and harvesting at log and stationary growth phase towards lipids and methyl ester production	March 2022.Vol 319	Fuel	8.03	WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
16	Manigandan Sekar	Aero	Manigandan Sekar	Comparison of cracking activity of the core-shell composite MCM-41/HY & MCM-48/HY catalysts in the synthesis of organic liquid fuel from Mahua oil.	Dec 2021.Vol 205	Environmental Research.	8.4	WoS
17	Manigandan Sekar	Aero	Manigandan Sekar	An assessment of agricultural waste cellulosic biofuel for improved combustion and emission characteristics.	Dec 2021.Vol 813	Science of the Total Environment	10.7	WoS
18	Manigandan Sekar	Aero	Manigandan Sekar	Blending and emission characteristics of bio gasoline produced using CaO/SBA-15 catalyst by cracking used cooking oil	Sep 2021.Vol 307	Fuel	8.03	WoS
19	Manigandan Sekar	Aero	Manigandan Sekar	PM emissions - assessment of combustion energy transfer with Schizochytrium sp. algal biodiesel and blends in IC engine	Aug 2021.Vol 802	Science of the Total Environment	10.7	WoS
20	Manigandan Sekar	Aero	Manigandan Sekar	Strategic evaluation of limiting factors affecting algal growth – An approach to waste mitigation and carbon dioxide sequestration	July 2021.,796	Science of the Total Environment	10.7	WoS
21	Manigandan Sekar	Aero	Manigandan Sekar	Effective utilization of waste textile sludge composite with Al <sub>2</sub> O <sub>3</sub> nanoparticles as a value-added application	Jul-21	Applied Nanoscience	3.5	WoS



Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
22	Manigandan Sekar	Aero	Manigandan Sekar	Properties of Sugarcane Bagasse Ash Concrete Modified with Bacterial Treatment	May 2022.Vol 119	ACI Materials Journal	1.6	WoS
23	Manigandan Sekar	Aero	Manigandan Sekar	Review of artificial neural networks for gasoline, diesel and homogeneous charge compression ignition engine: Review of ANN for gasoline, diesel and HCCI engine	Feb 2022.Vol 61	Alexandria Engineering Journal	6.6	WoS
24	Manigandan Sekar	Aero	Manigandan Sekar	Bio char supported manganese based catalyst for low-temperature selective catalytic reduction of nitric oxide	Jan 2022.	Clean Technologies and Environmental Policy	4.7	WoS
25	Manigandan Sekar	Aero	-	Guest editorial: Computational fluid dynamics in aerospace engineering: recent advances.	March.2022	Aircraft Engineering & Aerospace Technology	1.4	WoS
26	Sunil Kumar	AERO	Lokeswar Patnaik, Syed Mohammad Shafi, V. S. S. Venkatesh & Saikat Ranjan Maity	Wear parameter optimization for CrN/TiAlSiN coating using novel BWM integrated TODIM decision-making approach.	Jun 1, 2022.Vol not issued	International Journal on Interactive Design and Manufacturing (IJIDeM)	2.681	WoS
27	Sunil Kumar	AERO	Lokeswar Patnaik and Saikat Ranjan Maity	A novel BWM integrated MABAC decision-making approach to optimize the wear parameter of CrN/TiAlSiN coating	Apr 2022.Vol not issued	Journal of Industrial & Management Optimization	1.411	WoS

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28	Dr. A. Karthikeyan Professor	Automobile		Effect of manifold injection of n-decanol on neem biodiesel fuelled CI engine	Feb 2022/ Volume 241	Energy	8.857	WoS
29	Ashwin Jacob Assistant Professor	Automobile	Kaisan Muhammad Usman, DM Kulla	Influence of post-injection parameters on the performance of continuous regeneration trap to mitigate greenhouse gas and particulate emissions from CI engine	08/03/2022 Vol. 248	Energy	8.857	WoS
30	Ashwin Jacob Assistant Professor	Automobile	Kaisan Muhammad Usman	Production of <i>Chlorella pyrenoidosa</i> biodiesel by heterotrophic pathway to improve CI engine output characteristics using statistical approaches	18/02/2022 Vol. 160	Process Safety & Environmental Protection	7.926	WoS
31	Ashwin Jacob Assistant Professor	Automobile	Kaisan Muhammad Usman, VK Bupesh Raja, L Jino	Synergy effect of post injection and CART unit in extenuating Tail-Pipe pollutants in CI engine using <i>C. pyrenoidosa</i> microalgae biodiesel	22/03/2022 Vol. 52	Sustainable Energy Technols & Assessment	7.632	WoS
32	Ashwin Jacob Assistant Professor	Automobile	T Sathish Kumar, R Vignesh, B Ashok, Pajarla Saiteja, Ashwin Jacob, C Karthick, AK Jeevanantham, M Senthilkumar, Kaisan Muhammad Usman	Application of statistical approaches in IC engine calibration to enhance the performance and emission Characteristics: A methodological review	12/05/2022 Vol. 324	Fuel	8.035	WoS

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33	Dillip Kumar Sahoo & Asst. Professor	Automobile	B. S. Mohanty, G. B. Bhaskar	Multi-phase-field simulation study on microstructural grain development during inductive-based friction surfacing of aluminium	11-03-2022/ vol 17, No 1, Jan-Mar-2022	Digest Journal of Nanomaterials and Biostructures	0.899	WoS
34	Dr. A. Jayaganthan Assistant Professor	Automobile Engineering	Mohammad A. Al Zubi, Alimuddin, Mohd Yunus Khan, Ravi Kumar, Bharat Singh	Reduction of Carbon-Based Emissions using MgO Nanoparticle with Waste Cooking Oil Biodiesel in Diesel Engine	13 June 2022/ Volume 2022, Article ID 9259173, 8 pages	Adsorption Science & Technology	4.373	WoS
35	E Manoj	Automobile Engineering	Ramaswamy R Nagabhooshana N, Thiyagu M, Patil PP	Effect of black rice husk ash biosilica on mechanical, wear, and fatigue behaviour of stacked aloevera/roselle and glass fiber reinforced epoxy composite	18-Jun-22	Polymer Composites	3.531	WoS
36	Dr. V.K. Bupesh Raja Professor	Automobile	Mathew Alphonse, M. Sivakumar and Manoj Gupta	Optimization of the Friction Drilling Tool for Hole Making In Commercial Copper Plate	(22 April, 2022). Vol. 29, No. 06, 2250079	Surface Review and Letters	1.24	WoS
37	Mathew Alphonse Assistant Professor, Vels University scholar	Automobile	Manoj Gupta	Effect of Coating Type on Tribological Response of H13 Tool Steel	(22 April, 2022). Vol. 29, No. 06, 2250074	Surface Review and Letters	1.24	WoS

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38	Sonawwana y P.D, Professor (MIT Pune, PhD Scholar SIST)	Automobile	Mohd Salleh, M.A.A., Noorhafiza Binti Muhammad, S. F. Nazri & Manoj Gupta	Microstructure, mechanical properties and corrosion analysis of Sn–0.7 Cu + Ga solders joints developed using green concentrated solar energy soldering method	28 July 2021. 32, pages 21709–21726.	Journal of Materials Science: Materials in Electronics	2.779	WoS
39	S. Premanand Arunkumar	Mechanical Engineering	Venkatesa Prabhu	Synthesis and Numerical Analysis of Compliant Devices: A Topology Optimization Approach for Mechanisms and Robotic Systems	21 <sup>st</sup> April 2022 Volume 2022, Article ID 9827757	Advances in Materials Science and Engineering	2.098	WoS
40	G.Arunkumar Professor and Head	Mechanical Engineering	Prashant Dhavare	Effect of Injection Pressure on Spray Cone and Penetration Angle for Enhanced Fuel Atomization of Various Blended Viscous Fluid: A Numerical Modelling	7 <sup>th</sup> June 2022 (Published) Vol.145	ASME Journal of Energy Resources and Technology	3.07	WoS
41	S. Lakshmi Sankar Assistant Professor	Mechanical Engineering	P Kuppusami	Surface Modification of EN353 Gear Material by Chromium Plating and Plasma Nitriding to Improve Surface Properties, Corrosion and Wear Resistance	06.12.2021/17	International Journal of Electrochemical Science	1.5	WoS

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42	Bhiksha Gugulothu Professor, Bulehore University, Ethiopia	Mechanical Engineering	S Lakshmi Sankar, S Vijayakumar, Adina Srinivasa Vara Prasad, M Thangaraj, M Venkatachalapathy, T V Janarthana Rao	Analysis of wear behaviour of AA5052 Alloy composites by Addition Alumina with Zirconium Dioxide using the Taguchi- Grey relational method	03.03.2022/ 2022 /	Advances in Material Science and Engineering (Hindawi)	2.09	WoS
43	Venkatesan Sorakka Ponnappan. Associate Professor	Mechanical Engineering	Dinesh babu Munuswamy, Beemkumar Nagappan & Yuvarajan Devarajan	Investigation on the effect of ultrasound irradiation on biodiesel properties and transesterification parameters	27 July 2021,28, 64769– 64777 (2021).	Environment al Science and Pollution Research	5.19	WoS
44	Sorakka Ponnappan Venkatesan. Associate Professor	Mechanical Engineering	Kadiresh Parthasarathy Natarajan, Jeya Jeevahan Jayaraj	The empirical correlation between the parameters influencing the performance and emissions of CI engine run by aqueous nanofluid fuel blends using response surface methodology	27 Jan 2022, Volume 40, 2022 - Issue 14 Pages 1756-1771.	Petroleum Science and Technology	1.695	WoS
45	Venkatesan Sorakka Ponnappan Associate Professor	Mechanical Engineering	Gayatri Vaidya, Bhanu Teja Nalla, Dilip Kumar Sharma, Jeyaseelan Thangaraja, Yuvarajan Devarajan, Venkatesan Sorakka Ponnappan	Production of biodiesel from phoenix sylvestris oil: Process optimisation technique	12 February 2022, Volume 26, May 2022, 100636	Sustainable Chemistry and Pharmacy	5.464	WoS



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46	G.Senthilku mar Associate Professor	Mechanical Engineering	Pradeep Uttam Gaikwad, Lakshmisankar S, Rameshkumar C	Exergy analysis in Diesel Engine with Binary Blends	Jan 2022/26/1A	Thermal Science	1.971	WoS
47	Sobhanadri Anantha Research Scholar G.Senthilku mar Research Supervisor	Mechanical Engineering	Vivekanandan M, Venkatesh Ramkumar R, Dawit Parthipan N	A CFD Investigation and Heat Transfer Augmentation of Double Pipe Heat Exchanger by Employing Helical Baffles on Shell and Tube Side	March 2022/26/2A	Thermal Science	1.971	WoS
48	J. Dilipsingh Research Scholar G.Senthilku mar Research Supervisor	Mechanical Engineering	LijalemMulugeta	Effect of Material Behaviour on Flow Uniformity over Different Spillway Weir Profiles	22.02.2022	Advances in Materials Science and Engineering	2.098	WoS
49	A.Prabhu, Research Scholar, Anna University	Mechanical Engineering	Nivin JoyJ. Jayaprabakar, M. Anish,M. Venkata Ramanan, Harish Venu,	Emission and performance characteristics of a diesel engine using copper oxide nanoparticles in palm oil biodiesel-diesel blends	Volume 45, Issue 3, Pages 29 – 44 December 2021	Transactions of FAMENA	0.543	WoS

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50	Anish M Assistant Professor	Mechanical Engineering	Ignatius Raja, Rahul Kavvampally, Jayaprabakar Jayaraman, Nivin	Characteristics of heat transfer and pressure drop in a corrugated plate heatex changer with chemically synthesized ZnO/sparkling water nanofluids	262 (2022) 14–26 June	Desalination and Water Treatment	1.25	WoS
51	M Anish Assistant Professor	Mechanical Engineering	T. Arunkumar, J. Jayaprabakar, T. Nivin Joy, Sami Al Obaid, Saleh Alfarraj, M. M. Raj, Mebratu Markos	Analysis of Variable Compression Ratio Engine Using Biodiesel when Incorporated with Metal Oxides from Chemical and Biological Resources	Volume 2022, Article ID 9221720, 12 pages 30 Jun 2022	Journal of Nanomaterials	3.791	WoS
52	M Anish, Assistant Professor	Mechanical Engineering	M. Anish, T. Arunkumar, J. Jayaprabakar, Sami Al Obaid, Saleh Alfarraj, M.M. Raj, Assefa Belay	Thermal Conductivity of Thermally Insulated Concretes in a Nuclear Safety Vessel of Reactor Vault: Experimental Interpretation	Vol. 2022, Article ID 4493910, 12 pages, 2022.	Advances in Materials Science and Engineering	2.098	WoS
53	G.S. Sivagnanamani	Mechanical Engineer	S. Rashia Begum, R. Siva, and Saravana Kumar	Experimental Investigation on Influence of Waste Egg Shell Particles on Polylactic Acid Matrix for Additive Manufacturing Application	Dec-21	Journal of Materials Engineering and Performance	2.036	WoS
54	Siva Ramasamy Assistant Professor	Mechanical Engineering	Valarmathi Thirumalai Natesan, Kesavaram Balasubramanian, Jones Martin Justin, Antony V. Samrot & Jeya Jeevahan Jayaraj	Study on Effect of Fiber Loading Natural Coccinia Grandis Fiber Epoxy Composite	Jul-21	Journal of Natural Fibers	5.036	WoS

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55	S. Ganesan, Professor	Mechanical Engineering	Akshay Loyte, Jiwak Suryawanshi, Girish Bhiogade	Recent developments in utilizing hydrous ethanol for diverse engine technologies	21 May 2021,177	Chemical Engineering Processing - Process Intensification	4.264	WoS
56	S.Ganesan, Professor	Mechanical Engineering	Nalla, B, Devarajan, Y.Krishnamurthy, V., Mishra	Investigations of combustion, performance, and emission characteristics in a diesel engine fuelled with Prunusdomestica methyl ester and n-butanol blends	Feb 2022 ,41	Environmental Progress and Sustainable Energy	2.82	WoS
57	S.Ganesan, Professor	Mechanical Engineering	Padmanabhan Sambandam , Parthasarathy Murugesan ,Vinod Kumar Thangaraj , Muthuraman Vadivel , Muraliraja Rajaraman	Environmental impact of waste plastic pyrolysis oil on insulated piston diesel engine with methoxyethyl acetate additive	June 2022,22	Petroleum Science and Technology	1.6	WoS
58	S.Ganesan, Professor	Mechanical Engineering	Munuswamy D., Mishra R., Thangaraja J.	Experimental research on waste and inedible feedstock as a partial alternate fuel: environmental protection and energy-saving initiative	May 2022,22	Biomass Conversion and Bio refinery	4	WoS

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59	S.Ganesan, Professor	Mechanical Engineering	Venkatesh A.P., Latchoumi T.P., Chezhan Babu S., Ruban M., Mulugeta L.	Multiparametric Optimization on Influence of Ethanol and Biodiesel Blends on Nanocoated Engine by Full Factorial Design	April 2022, 2022	Journal of nanomaterials	3.791	WoS
60	S.Ganesan, Professor	Mechanical Engineering	Devarajan Y., Munuswamy D.B., Mishra R., Vellaiyan S.	Evaluation of compression ignition engine ignition patterns fueled with dual fuels	Aug 2021,19	International Journal of Green Energy	2.5	WoS
61	S.Ganesan, Professor	Mechanical Engineering	Palanichamy Ramasamy Beemkumar N Yuvarajan Devarajan, Ruby Mishra	Exploration of non-edible palm kernel oil as a potential heat transfer fluid for higher temperature applications	Nov-21	Biomass Conversion and Biorefinery	4	WoS
62	S.Ganesan, Professor	Mechanical Engineering	Yuvarajan Devarajan, Bhanu Teja Nalla, M. Dinesh Babu , Ruby Mishra , Suresh Vellaiyan	Analysis on improving the conversion rate and waste reduction on bioconversion of Citrulluslanatus seed oil and its characterization	July 2021,22	Sustainable Chemistry and Pharmacy	5.4	WoS
63	J Hemanandh Associate Professor	Mechanical Engineering	Babu, Yuvarajan Devarajan, Ruby Mishra, Biju Cherian Abrah	Experimental testing and evaluation of coating on cables in container fire test facility	Volume 54, Issue 5, May 2022, Pages 1652-1656	Nuclear Engineering and Technology	2.817	WoS
64	K.R.Kavitha , Research Scholar Dr.S.Prakash Dean	Mechatronics	Ravichandran, M.	Investigations on non-biodegradable zirconium dioxide reinforced aluminum alloy (Aa6081) matrix composite developed by using powder metallurgy route	July - September 2021,	Digest Journal of Nanomaterials and Biostructures	0.8	WoS

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65	Ghadge, R.R., Research Scholar Dr.S.Prakash	Mechatronics		Investigation and prediction of hybrid composite leaf spring using deep neural network based rat swarm optimization	Published online: 14 Sep 2021	Mechanics Based Design of Structures & Machines	4.36	WoS
66	Mr. Manoj Kumar Chaudhary Research Scholar Dr.S.Prakash Dean	Mechatronics		Airfoil design and testing of multi-stage horizontal axis wind turbine rotors	Published online 2021-10-20	Journal of Engineering Research	1.325	WoS/ Scopus
67	Mr. Manoj Kumar Chaudhary Research Scholar Dr.S.Prakash Dean	Mechatronics		Experimental Investigations of Small horizontal axis wind turbine rotors	Published online 2021-10-20	Journal of Engineering Research	1.325	WoS/ Scopus
68	Dr.M. Sangeetha, Associate Professor	Mechatronics	Boomadevi P., Khalifa A.S., Brindhadevi K., Sekar M.	Vibration, acoustic and emission characteristics of the chlorella vulgaris microalgae oil in compression ignition engine to mitigate environmental pollution	April 2022/293	Chemosphere	7.086	WoS

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69	Dr.M. Sangeetha, Associate Professor	Mechatronics	Lilly Mercy, Dillipkumar Sahoo, Habtamu Fekadu Gemede, Rajesh Madasamy	E-Modelling and Evolution of Nano lubricant Coupled Machining Parameters Using Statistical Tool	13 June 2022/2022	Journal of Nanomaterials	2.986	WoS
70	S.Nithya, Research Scholar	Mechatronics	Sangeetha M., Kengaiyah V., Prakash S.	Numerical modelling on dynamics of droplet in aircraft wing structure at different velocities	13 October 2021/94/4	Aircraft Engineering and Aerospace Technology	0.975	WoS
71	P Pandiyan	Mechatronics	P.Pandiyan, R.Sitharthan, S.Saravanan Natarajan Prabakaran M.Ramji Tiwari T.Chinnadurai T.Yuvaraj K.R.Devabalaji	A comprehensive review of the prospects for rural electrification using stand-alone and hybrid energy technologies	30 March 2022 (online)	Sustainable Energy Technologies and Assessments	7.632	WoS/ Scopus
72	Raviteja Surakasi	Mechatronics	Jayaprakash Venugopal, Raviteja Surakasi, K. Ch. Sekha, Ekrem Yanmaz, Yuvaraj, S. Srujana, Naziya Begum	Evaluation of physicothermal properties of silicone oil dispersed with multiwalled carbon nanotubes and Data prediction using ANN	Dt: 27 Dec 2021 Vol: 2021 Issue: 2021	Journal of Nanomaterials	3.791	WoS



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73	Mohamad Reda A. Refaai	Mechatronics	Jayaprakash Venugopal, Mohamad Reda A. Refaai, Meenakshi Reddy, Venkata Rao, K. Vaidhegi, Simon Yishak	Optimization on the mechanical properties of aluminium 8079 composite materials reinforced with PSA	Dt: 22 Apr 2022 Vol: 2022 Issue: 2022	Advances in Materials Science and Engineering	2.098	WoS
74	Dr.B. Kanimozhi	Mechatronics	GovindkumarMishal AsehliAshrafElfasakhanyDhinakaranVee manSanthoshBalaji	Effects of oxyhydrogen on the CI engine fuelled with the biodiesel blends: A performance, combustion and emission characteristics study	10-Sep-21	International journal of Hydrogen Energy	7.139	WoS
75	J.Jayaprabakar Associate Professor	Mechanical Engineering	Dr.A. Karthikeyan, Dr.A. Prabhu. Dr.M. Anish and Dr. Nivin Joy	Production of marine algae methyl esters and evaluation of its engine performance and emission characteristics	01-May-22	Indian Journal of Geo Marine Sciences	0.55	WoS
76	V.Sangeetha	Chemistry	V.Sangeetha, Dr.P.N.Sudha	In vitro biocompatibility studies of nanochitosan/polyvinylpyrrolidone blends on MC3T3-E1 cells showing beneficial effect in bone tissue engineering	IJMS Vol.51(05) May 2022	Indian Journal of Geo Marine Sciences	0.55	WoS
77	Dr. Geetha Ramani, Professor	CSE	N/A	Automated Image Quality Appraisal Through Partial Least Squares Discriminant Analysis	02.06.2022, Volume. 17, Issue. July 2022	International Journal Of Computer Assisted Radiology And Surgery	3.421	WoS/ Scopus

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78	Dr.A.Pravin , Associate Professor	CSE	G.Saranaya	A Novel Feature Selection Approach With Integrated Feature Sensitivity And Feature Correlation For Improved Prediction Of Heart Disease	04 April 2022	Journal Of Ambient Intelligence And Humanized Computing	3.66	WoS/ Scopus
79	Dr.A.Pravin, Associate Professor	CSE	Manikandan Nanjappan	Whoa: Hybrid Based Task Scheduling In Cloud Computing Environment	23 August 2021,121	Wireless Personal Communications	2.01	WoS/ Scopus
80	Ashokkumar , Associate Professor	CSE	Ashokkumar	Malicious Attack Detection Approach In Cloud Computing Using Machine Learning Techniques	Feb 2022,	Soft Computing	3.5	WoS/ Scopus
81	P. Asha, Associate Professor	CSE	P. Asha, L. Natrayan, B.T. Geetha, J. Rene Beulah, R. Sumathy, G. Varalakshmi, S. Neelakandan	IoT Enabled Environmental Toxicology For Air Pollution Monitoring Using Ai Techniques	1 April 2022/ Volume 205	Environmental Research	8.431	WoS/ Scopus
82	Murari D Kamalesh, Assistant Professor	CSE	B.Bharathi	Personality Prediction Model For Social Media Using Machine Learning Technique	100/107852	Computers And Electrical Engineering	4.1	WoS

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83	R.Lavanya, Assistant Professor, Srm	CSE		Movie Recommendation System To Solve Data Sparsity Using Collaborative Filtering Approach	July 2021, Vol. 20, No. 5, Article 88	ACM Transactions on Asian and Low-Resource Language Information Processing	1.471	WoS/ Scopus
84	M. Kanipriya, Asst. Prof.	CSE	Dr. N. Sridevi, S.R. Srividhya, S.L. Jany shabu	An Improved Capuchin Search Algorithm Optimized Hybrid CNN - LSTM Architecture For Malignant Lung Nodule Detection	01.08.2022, vol.78	Biomedical Signal Processing and Control	5.076	WoS/ Scopus
85	C. Kavitha	CSE	Vinodhini Mani, S. R. Srividhya, Osamah Ibrahim Khalaf, Carlos Andrés Tavera Romero	Early-Stage Alzheimer's Disease Prediction Using Machine Learning Models	03-03-2022, Volume 10	Frontiers in Public Health	6.461	WoS/ Scopus
86	C. Kavitha, Assistant Professor	CSE	SR Srividhya, Wen-Cheng Lai, Vinodhini Mani	IMapC: Inner Mapping Combiner To Enhance The Performance Of MapReduce In Hadoop	17.05.2022, Volume 11, Issue 10	Electronics	2.69	WoS/ Scopus
87	Ramya. G. Franklin, Assistant Professor	CSE	Dr.B.Muthukumar	Arrhythmia And Disease Classification Based On Deep Learning Techniques	September 2021, Vol 31 issue 2	Intelligent Automation And Soft Computing	3.4	WoS/ Scopus

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88	Kirubaraji - RMD Engineering College	CSE	K.K.Thyagarajan, T. Vignesh, G. Kalaiarasi	Classifying Indian Medicinal Leaf Species Using LCFN-BRNN Model	VOL. 15, NO. 10, OCTOBER 31, 2021	KSII Transactions On Internet And Information Systems	0.972	WoS/ Scopus
89	R I Minu	CSE	Dr. A. Viji Amutha Mary, Dr. Mercy Paul Selvan	Empirical Evidence of Effects of Stringency Amid Covid-19 Pandemic Spread	April 2, 2022	Soft Computing	3.72	WoS/ Scopus
90	P. J. Sajith	CSE	P. J. Sajith	Network Intrusion Detection System Using ANFIS Classifier	11 March 2022, Vol-1	Soft Computing, Springer	3.732	WoS/ Scopus
91	P. J. Sajith	CSE	P. J. Sajith	Intrusion Detection System Using Deep Belief Network & Particle Swarm Optimization	01 March 2022, vol-1	Wireless Personal Communications, Springer	2.017	WoS/ Scopus
92	A. Dhanalakshmi	CSE	G. Nagarajan	Group-Normalized Deep CNN-Based In-Loop Filter for HEVC Scalable Extension	05 August 2021-Vol-1	Signal, Image And Video Processing	1.583	WoS/ Scopus
93	R.I. Minu, Professor	CSE	R.I. Minu	A Statistical Non-Parametric Data Analysis For Covid-19 Incidence Data	1 June 2022, Vol-1	ISA Transactions	5.911	WoS/ Scopus

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94	G.Nagarajan , Associate Professor	CSE	Serin V. Simpson, Adel Fahad Alrasheedi, S.S. Askar, Mohamed Abouhawwash, Parthasarathi P	A Novel Edge-Based Trust Management System For The Smart City Environment Using Eigenvector Analysis	May-2022, Volume 2022/1	Journal Of Healthcare Engineering, Hindawi	3.822	WoS/ Scopus
95	G.Nagarajan , Associate Professor	CSE	Serin V.Simpson, R.I.Minu	Edge Computing Security: Layered Classification Of Attacks And Possible Countermeasures	Volume 127, 2022,	Advances in Computers, Elsevier	3.067	WoS/ Scopus
96	Dr.A.Pravin, Associate Professor	CSE	G.Saranaya	Hybrid Global Sensitivity Analysis Based Optimal Attribute Selection Using Classification Techniques By Machine Learning Algorithm	31 August 2021	Wireless Personal Communications	2.01	WoS/ Scopus
97	Dr. Sathishkumar K, Assistant Professor	CSE	Karupusamy S., Dr. J. Refonaa, Sakthidasan Sankaran, Priyanka Dahiya, Mohd Anul Haq, Anil Kumar	Effective Energy Usage And Data Compression Approach Using Data Mining Algorithms For IoT Data	10 April 2022	Expert Systems	2.8	WoS/ Scopus
98	Dr. J. Refonaa, Assistant Professor	CSE	Porselvi, A., Shabu, S.L.J., Santhosh Krishna, B.V., Siddiquee, K.N.-E.-A.	Characterisation Of Intelligent Autonomous Agents Inspired By Biological Theory In Cognitive Environment	14 April 2022	Mobile Information Systems	2.266	WoS/ Scopus

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99	Dr. J. Refonaa, Assistant Professor	CSE	Dinh Tran Ngoc Huy, Nguyen Dinh Trung, Hoang Van Thuc, Roop Raj, Mohd Anul Haq, Anil Kumar	Probabilistic Methods And Neural Networks In Structural Engineering	20 May 2022	International Journal of Advanced Manufacturing Technology	3.56	WoS/ Scopus
100	Jalasri Manikandan, Research Scholar	CSE	Dr.L.Lakshmanan	Code-Based Encryption Techniques With Distributed Cluster Head And Energy Consumption Routing Protocol	30 August 2021	Complex and Intelligent System	6.7	WoS/ Scopus
101	Jalasri Manikandan, Research Scholar	CSE	Dr.L.Lakshmanan	Managing Data Security In Fog Computing In IoT Devices Using Noise Framework Encryption With Power Probabilistic Clustering Algorithm	17 May 2022, Vol. 25, Issue 3	Cluster Computing	2.3	WoS/ Scopus
102	Dr.L. Sujihelen, Associate Professor	CSE	Pundru Chandra Shaker Reddy , Suili Feng, Jiayin Qin	Node Replication Attack Detection in Distributed Wireless Sensor Networks	31 May 2022, Volume 2022	Wireless Communications and Mobile Computing	2.146	WoS/ Scopus
103	M.Vinodhini	CSE	C. Kavitha, Shahab S. Band, Amir Mosavi, Paul Hollins	A Recommendation System Based on Ai for Storing Block Data in The Electronic Health Repository	21.01.2022 Volume 9	Frontiers in Public Health	6.461	WoS/ Scopus



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104	K.Ashokkumar, Associate Professor	CSE	K.Ashokkumar	An Automatic Plant Leaf Disease Identification using Densenet-121 Architecture with A Mutation-Based Henry Gas Solubility Optimization Algorithm	03 January 2022, 34(7)	Neural Computing and Applications	5.13	WoS/ Scopus
105	Minu M S, AP, Srm	CSE	Subashka Ramesh S S , SRM	Optimal Squeeze Net with Deep Neural Network-Based Aerial Image Classification Model in Unmanned Aerial Vehicles	Feb 2022/30/1	International Information and Engineering Technology Association	2.99	WoS/ Scopus
106	Shilpa, AP, Pune	CSE	NA	Classification and Analysis of Malicious Traffic with Multi-Layer Perceptron Model	30 June 2021/26/3	IIETA	2.4	WoS/ Scopus
107	R. Aroul Canessane, Associate Professor	CSE		Identification of Network Traffic over IoT Platforms	Aug 2021/35/4	IIETA	2.29	WoS/ Scopus
108	R. Dhanalakshmi, AP, Jeppiaar Engineering College	CSE	Dr. Muthukumar, Rajalakshmi engineering college	An Esteemed Maximum Utility Pattern Mining: Special Children Assessment Analysis	17 Aug 2021/2021	Progress in Artificial Intelligence	2.25	WoS/ Scopus

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109	Shilpa P, AP, Pune	CSE		Prediction of Traffic Generated by IoT Devices Using Statistical Learning Time Series Algorithms	Aug 2021/2021	Wireless Communications Mobile Computing, Hindawi	2.14	WoS
110	Priyadharshini Kaliyamoorthy, AP, St. Joseph's College of Engineering	CSE	NA	QMLFD based RSA Cryptosystem for Enhancing Data Security in Public Cloud Storage System	22 Aug. 2021/ 122/1	Wireless Personal Communications	2.017	WoS
111	L.Natrayan	CSE	K.Aman Deep Singh, Pravin, Dhinakaran, Prabhu	Synthesis and Optimization of Cr (Vi) Removal from Aqueous Solution by Activated Carbon with Magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles by Response Surface Methodology	17 <sup>th</sup> March 2022 / Volume 2022	Adsorption Science & Technology	4.373	WoS/ Scopus
112	Deepa R , Research Scholar	CSE	Dr S Vigneshwari	An Effective Automated Ontology Construction Based on The Agriculture Domain	04 May 2022	ETRI Journal	1.622	WoS/ Scopus
113	Deepa R, Research Scholar	CSE	Dr S Vigneshwari	Design of Agricultural Ontology Based on Levy Flight Distributed Optimization and Naïve Bayes Classifier	September 2021, Vol. 46 Issue 3, p1-12.	Sadhana - Academy Proceedings in Engineering Sciences	1.214	WoS/ Scopus

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114	Dr.S.L. Jany Shabu, Associate Professor	CSE	Kusum Yadav, Elham Kariri, Kamal Kumar Gola, Mohd Anul Haq, Anil Kumar	Trajectory Clustering and Query Processing Analysis Framework for Knowledge Discovery in Cloud Environment	01 March 2022	Expert Systems	2.8	WoS/ Scopus
115	S.P. Maniraj, Assistant Professor, Srm	CSE	Sardar Maran	A Hybrid Deep Learning Approach for Skin Cancer Diagnosis using Subband Fusion of 3D Wavelets	March 2022, 78, 12394–12409	The Journal of Supercomputing	2.6	WoS/ Scopus
116	Eric Appiah Mantey	CSE	S.R.Srividhya, Sanjiv Kumar Jain	Integrated Block chain Deep Learning Approach for Analyzing The Electronic Health Records Recommender System	6 may 2022	Frontiers in Public Health	6.461	WoS/ Scopus
117	S.R. Srividhya, AP	CSE	C. Kavitha, Wen Cheng Lai, Vinodhini mani	A Machine Learning Algorithm to Automate Vehicle Classification and License Plate Detection	June 22	Wireless Communications and Mobile Computing	2.14	WoS/ Scopus
118	Gampala V	CSE	Maram, B., Vigneshwari, S., Cristin, R	Glaucoma Detection Using Hybrid Architecture Based on Optimal Deep Neuro Fuzzy Network	13/3/2022 , 37(9), pp. 6305–6330	International Journal of Intelligent Systems	8.993	WoS/ Scopus
119	Serin V. Simpson	CSE	Serin V.Simpson	A Fuzzy Based Co-Operative Blackmailing Attack Detection Scheme for Edge Computing Nodes in MANET-IoT Environment	Volume 125, December 2021	Future Generation Computer Systems, Elsevier	7.3	WoS/ Scopus

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120	Suja Cherukullapurath Mana, Assistant Professor	CSE	T.Sasipraba	An Intelligent Deep Learning Enabled Marine Fish Species Detection And Classification Model	28 February 2022, Vol 31 No 01	International Journal On Artificial Intelligence Tools	1.059	WoS
121	A.Veeramuthu, Associate Professor	IT	S. Meenakshi, G. Mathivanan, Jatinderkumar R. Saini, V. Vijayakumar, V. Subramaniaswamy	MRI Brain Tumor Image Classification Using a Combined Feature and Image-Based Classifier	04.03.2022, Vol. 13	Frontiers in Psychology	4.2	WoS/ Scopus
122	A.Anne Frank Joe & Assistant Professor	IT	K. Ashokkumar	A Novel Approach to Combine NIR and Image Features for Non-Destructive Assay of Indian Wheat Varieties	31.03.2022	Malaysian Journal of Computer Science	0.4	WoS/ Scopus
123	D.Viji, Assistant Professor, SRM	IT	S.Revathy	A hybrid approach of Weighted Fine-Tuned BERT extraction with deep Siamese Bi – LSTM model for semantic text with deep Siamese Bi – LSTM model for semantic text similarity identification	6-1-2022	Multimedia Tools and Applications	2.5	WoS/ Scopus
124	Satish Kumar A, Research Scholar	CSE	S.Revathy	A hybrid soft computing with big data analytics based protection and recovery strategy for security enhancement in large scale real world online social networks		Theoretical Computer Science	1.002	WoS/ Scopus

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125	Justindhas Y	IT	P.Jeyanthi	Attack detection and prevention in IoT-SCADA networks using NK-classifier	2022	Soft Computing (2022).	3.732	WoS/ Scopus
126	Justindhas Y	IT	P.Jeyanthi	Secured Model for Internet of Things (IoT) to Monitor Smart Field Data with Integrated Real-Time Cloud using Lightweight Cryptography	2021	IETE Journal of Research,	1.87	Scopus
127	L.Mary Gladence	IT	V.Maria Anu, S.Revathy, P.Jeyanthi	Security management in smart home environment	28.07.2021	Soft Computing	3.732	WoS/ Scopus
128	Adhilakshmi	IT	R.Subhashini	A novel truth prediction algorithm for ascertaining the truthfulness of the data and reliability of the users in crowdsourcing application	23.04.2022	Soft Computing	3.73	WoS/ Scopus
129	Amit Pimpalkar	IT	R.Jeberson Retna Raj	MBiLSTM GloVe: Embedding GloVe knowledge into the corpus using multi-layer BiLSTM deep learning model for social media sentiment analysis	13-05-2022	Expert Systems With Applications	8.6	WoS/ Scopus
130	Sujatha, G	IT	R.Jeberson Retna Raj	An efficient enhanced prefix hash tree model for optimizing the storage and image deduplication in cloud	05-May-22	International journal of concurrency and Computation Practice and experience	1.8	WoS/ Scopus

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131	Zhang L.	CSE	M. Maheswari Ramanathan	A hybrid approach for risk analysis in e-business integrating big data analytics and artificial intelligence	Dec-21	Annals of Operations Research	4.82	WoS/ Scopus
132	Shansa Kanwal	CSE	Jamal Hussain Shah, Muhammad Attique Khan Maryam Nis, Seifedine Kadry Muhammad Sharif, Mussarat Yasmin, M.Maheswari	Person re-identification using adversarial haze attack and defense: A deep learning framework	Dec-21	Computers & Electrical Engineering	4.1	WoS/ Scopus
133	Dr Veena K, Assistant Professor	CSE	Yuvaraja Teekaraman, Ramya Kuppusamy, Arun Radhakrishnan	C SVM Classification and KNN Techniques for Cyber Crime Detection	17 Jan 2022	Wireless Communications and Mobile Computing,	2.146	WoS/ Scopus
134	P.Sabitha,	CSE	P.Sabitha, G.Meeragandhia	A dual stage AlexNet-HHO-DrpXLM archetype for an effective feature extraction, classification and prediction of liver cancer based on histopathology images	May-22	Biomedical Signal Processing and Control	5.076	Scopus
135	T. Vetriselvi	CSE	J. Albert Mayan, K.V.Priyadharshini, K.Sathyamoorthy, S.VenkataLakshmi, P.Vishnu Raja	Latent Semantic Based Fuzzy Kernel Support Vector Machine for Automatic	10-Jan-22	Intelligent Automation & Soft Computing	3.401	WoS



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136	M.S. Roobini	CSE	M.Lakshmi	Autonomous prediction of type 2 diabetes with high impact of glucose level	Vol 101 May 2022	Computers & Electrical Engineering	4.152	WoS
137	Angel D., Assistant Professor	Mathematics	–	Application of graph domination to defend medical information networks against cyber threats	07 February 2022 Vol. 13/ Issue:8	Journal of Ambient Intelligence and Humanized Computing	3.662	WoS/ Scopus
138	Angel D., Assistant Professor	Mathematics		Protection of Medical Information Systems Against Cyber Attacks: A Graph Theoretical Approach	21-Jun-22	Wireless Personal Communications	2.017	WoS/ Scopus
139	M.I. Mary Metilda Assistant Professor	Mathematics	Dr.D.Lalitha, Dr.S. Vaithyasubramanian	Password generation using array generating interval timed colored Petri net (AGITCPN) for effective security	23 <sup>rd</sup> June 2022/	Theoretical Computer Science	1.002	SCI
140	J. Sebastian Lawrence, Research Scholar	Mathematics	Dr.R. Manoharan,	New approach to DeMorgan's laws for soft sets via soft ideals	07.02.2022	Applied Nano Science	3.8	WoS
141	Sini Rahuman, Research Scholar, A. Mohamed Ismail	Mathematics	Shyla Manavalan Varghese, George Kwamina Toworfe, Bashyam Sasikumar	Wind Flow Simulation around Rhizophora Mangrove Roots Using Computational Fluid Dynamics	05/05/2022 Volume 2022, Article ID 5722653	Journal of Nanomaterials	3.791	SCIE Scopus

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142	Sini Rahuman, Research Scholar, A. Mohamed Ismail, Assistant Professor	Mathematics	Shyla Manavalan Varghese and George KwaminaToworfe	Comparative Study of Flow Patterns around Rhizophora and Avicennia Mangrove Roots Using Computational Fluid Dynamics Simulation	15/06/2022 Volume 2022, Article ID 8992513	Advances in Materials Science and Engineering	2.098	SCIE Scopus
143	C. Rathika Thaya Kumari, Research Scholar	Mathematics	Kamaraj T., Mathubala G., Manikandan A., Caroline M.L., Sudha S., Kashmery H.A., Madhu P.	A Brief Study on Optical and Mechanical Properties of an Organic Material: Urea Glutaric Acid (2/1)—A Third Order Nonlinear Optical Single Crystal	14-10-2021	CRYSTALS	2.6	WoS/ Scopus
144	C. Maheswari, Assistant Professor	Physics	G. Gobi, C. Inmozhi , K. Parasuraman ,R. Uthrakumar	Medical applications of Couroupita guianensis Abul plant and Covid-19 best Safety measure by using Mathematical Nano topological spaces	13 June 2022&34 (2022) 102163	Journal of King Saud University – Science	3.829	WoS
145	M. Manjula, Assistant Professor	Physics	M. Muthumari, Pradheepa, Dhivyabharathi, L. Shalini, Denis Kuznetsov and Pandi yarasan Veluswa	Lifting the optical and thermoelectric properties of Mg <sub>2</sub> Si as a function of Sn incorporation – Potential Thermoelectric Materials	29 July 2021 10/7	ECS Journal of Solid State Science and Technology	2.483	WoS/ Scopus
146	Muthumari, Research Scholar	Physics	K. Pradheepa, Denis Kuznetsov and Pandiyarasan Veluswamy	Impact of Se in Structural, Mechanical, Thermal, Thermoelectric and Optical Properties of n-type SnTe	23 July 2021 10/7	ECS J. of Solid State Science Tech	2.483	WoS/ Scopus

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147	Muthumari, Research Scholar	Physics	Pradheepa, Pandiyarasan Veluswamy	Intensifying bismuth concentration in tin chalcogenide for solar cell applications	18 April 2022 36/15	International Journal of Modern Physics B	1.404	Scopus
148	S. Priyadharshini Research Scholar	Physics(E)	E. Viswanathan. S. Jayalakshmi M.Manjula	Band engineering of modified rhombohedral Cu <sub>4</sub> Mn <sub>2</sub> Te <sub>4</sub> : ab initio approach	12 Jan 2022 102/13	Philosophical Magazine	1.948	WoS/ Scopus
149	Dr.J. Anita Lett, Assistant Professor	Physics	Estelle Léonard, Is Fatimah, M. A. Motalib Hossain, Faruq Mohammad, Hamad A. Al-Lohedan, Suriati Paiman	Bone tissue engineering potentials of 3D printed magnesium-hydroxyapatite in polylactic acid composite scaffolds	26 July 2021/ Volume 45, Issue 12, Pages: 1433-1599	Artificial Organs	2.66	WoS/ Scopus
150	Dr. Suresh	Physics	J.Anita Lett, Getu Kassegn Weldegebriael, Shahla Imteyaz, Mohd Rafie Johana	Synthesis, characterization, and photocatalytic activity of PPy/SnO <sub>2</sub> nanocomposite	Volume 783, 16 November 2021,	Chemical Physics letters	2.719	WoS
151	Dr. Suresh Sagadevan	Physics	Jayasingh Anita Lett, Won-Chun Oh, or Aliya Hamizi, Mohd Rafie Johan	Enhanced photocatalytic activity of rGO-CuO nanocomposites for the degradation of organic pollutants	21-Aug-21	Catalysts	4.501	WoS

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152	Dr. Suresh Sagadevan	Physics	Muhammad Mehmood Shahid, Zhan Yiqiang, Won-Chun Oh, Tetsuo Soga, Jayasingh Anita Lett, Solhe F. Alshahateet, Is Fatimah, Ahmed Waqar, Suriati Paiman, Mohd Rafie	Functionalized graphene-based nanocomposites for smart optoelectronic applications	July 1, 2021, Volume 10 Issue 1	Nanotechnology Reviews	6.739	WoS
153	Dr. Suresh Sagadevan	Physics	J. Anita Lett, Getu Kassegn Weldegebriial, Md Rokonud Dowl, Biswasd Won Chun Oh, Solhe F. Alshahateete I Fatimah, Faruq Mohammadg Hamaohedang Suriati Paiman, Jiban Podder, Mohd Rafie Johana	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO <sub>2</sub> nanoparticles	Volume 780, October 2021, 13889720 July 2021	Chemical Physics letters	2.719	WoS

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154	Dr. Suresh Sagadevan	Physics	J Anita Lett, Is Fatimah, Yogeswaran Lokanathan, Estelle Léonard, Won Chun Oh, M A Motalib Hossain, Mohd Rafie Johan	Current trends in the green syntheses of tin oxide nanoparticles and their biomedical applications	13 August 2021, 8 082001	Materials research express	2.025	WoS
155	Dr. Suresh Sagadevan/ Associate Professor	Physics	Hahla Imteyaz, Baranya Murugan, Jayasingh Anita Lett, Nanthini Sridewi, Getu Kassegn Weldegebriael, Is Fatimah and Won-Chun Oh	A comprehensive review on green synthesis of titanium dioxide nanoparticles and their diverse biomedical applications	January 7, 2022, Volume 11 Issue 1	Green processing and synthesis	3.97	WoS
156	Dr. Suresh Sagadevan/ Associate Professor	Physics	J.Anita Lett, Baranya Murugan, Is Fatimah, Seema Garg, M.A. Motalib Hossain, Faruq Mohammadf Hama, A.Al-Lohedan, Mohd Rafie Johana	Comparative studies of the biological efficacies of Ag and Ag-MgO nanocomposite formed by the green synthesis route	Volume 135, January 2022, 109082	Inorganic Chemistry Communications	3.428	WoS

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157	Dr. Suresh Sagadevan, Associate Professor	Physics	Vennila, Selvaraj, Anita Lett, Fatimah Is, Mohammad, Faruq, Al-Lohedan, Hamad A, Alshahateet, Solhe F, Motalib Hossain, M. A, Rafie Johan, Mohd	Star fruit extract-mediated green synthesis of metal oxide nanoparticles	Volume 52, Number 2, 13 January 2022, pp. 173-180(8)	Inorganic and Nano-Metal Chemistry	1.514	WoS
158	Dr. Suresh Sagadevan, Associate Professor	Physics	J.Anita Lett, Solhe F.Alshahateetc Is Fatimahd Getu Kassegn Weldegebrieale Minh-Vien Lefg Estelle Leonardh Suriati Paimani Tetsuo Soga	Photocatalytic degradation of methylene blue dye under direct sunlight irradiation using SnO <sub>2</sub> nanoparticles	Volume 141, July 2022, 109547	Inorganic Chemistry Communications	3.428	WoS
159	Dr. C. Rameshkumar, Associate Professor	Physics	Subalakshmi, R	Purification of tap water to drinking water: Nanobubbles technology	September, 2021	Desalination and Water Treatment	1.273	WoS
160	Dr. Helen Merina Albert, Professor	Physics	-	Comparative studies on formation and material characterization of L-histidine derivatives for nonlinear optical device applications	January 09, 2022, 33 (6)	Journal of Materials Science: Materials in Electronics	2.779	WoS



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161	Dr. Helen Merina Albert/ Professor	Physics		Crystallization and Characterization of 2l-Histidinium 2Maleate 3H <sub>2</sub> O and l-Histidinium Glutarate H <sub>2</sub> O Organic Crystals for Frequency Conversion Applications	June 01, 2022, 51 (8)	Journal of Electronic Materials	2.047	WoS
162	Satheesh Kumar	Physics	Satheesh Kumar, Swetha, Fouad, Anandhi, Manisha Vidyavathy, Karthikeyan, Kishore, Faraat Ali, Milton Kumar, Md. Habibur, Berrada and Simona	Size-Dependent Antibacterial, Antidiabetic, and Toxicity of Silver Nanoparticles Synthesized Using Solvent Extraction of Rosa indica L. Petals	5/31/202 26/15/2022	Pharmaceuti cals	5.215	WoS
163	M.Divya (Research Scholar)	Physics	P.Malliga	An Investigation on Opto-thermo-mechanical Behaviour of a Borate Family NLO Crystal for Photonic Applications	December, 2021, 51 (6), 1625-1635(SEP)	Brazilian Journal of Physics-Springer US	1.364	WoS/ Scopus
164	D Heman, D.S.Jayalakshmi, Uttam Ghoh, A. Balasundaram, Pandi Vijayakumar , Pradip Kumar Sharma	Physics	D.S.Jayalakshmi, Uttam Ghosh, A.Balasundaram, Pandi Vijayakumar, and Pradip Kumar Sharma	Enabling Sustainable Energy for Smart Environment Using 5G Wireless Communication and Internet of Things	December 2021,21,153 6-1284/	IEEE Wireless Communications	12.777	WoS/ Scopus

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165	K. Vijai Anand, Associate Professor	Physics	S. Keerthika, Vasantharaja, Kannan, S. Preetha, S. Muthamil Selvan, Sumit	Biogenic preparation of ZnO, CaO, and ZnO-CaO nanocomposites and its influence on agromorphological characteristics of mung bean	29(15), pp. 22251–22259, 2022 Nov21	Environmental Science and Pollution Research	5.19	WoS
166	K. Vijai Anand & Associate Professor	Physics	D. Mahalakshmi, S. Muthamil Selvan, M. Ravi, M. Kannan, Ahmed Esmail Shalan	Biomass extract of green macroalga Halimeda opuntia assisted ZnO nanoparticles: preparation, physico-chemical characterization, and antibacterial activity against Vibrio harveyi	Jan-22	Biomass Conversion and Bio refinery	4.05	WoS
167	J. Aravind Kumar	Chemistry	J. Aravind Kumar, T. Krithiga, S. Manigandan, S. Sathish, A. Annam Renita, P. Prakash	A focus to green synthesis of metal/metal based oxide nanoparticles: Various mechanisms and applications towards ecological approach	Nov 2021 Volume 324	Journal of Cleaner Production	11.072	WoS
168	Birendra Nath Mahato	Chemistry	Birendra Nath Mahato	Recent development in metal-doped SBA-15 catalyst for heterogeneous catalysis and sustainable chemistry: a minireview	Sep-21	Canadian Journal of Chemistry	1.051	WoS
169	Birendra Nath Mahato	Chemistry	Birendra Nath Mahato, J. Aravind Kumar, G. Yogalakshmi	Efficient one-pot synthesis of 4-hydroxy-2H chromene by heterogeneously catalyzed ZnO NP and mesoporous aluminosilicate catalysts in solvent free condition	Sep-21	Canadian Journal of Chemistry	1.051	WOS

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170	Rakhee Bhagavath	Chemistry	Narendra Kumar. G	Enhanced removal of Ni(II) from electroplating effluents using herbal biomass as alum substituents	22-10-2021(244)	Desalination and Water Treatment	1.273	Scopus
171	Mohd Abbas sofi, Student	Chemistry	Mohmmad Ashaq Sofi, S.K. Khadheer Pasha, Dongjin Choi	An overview of antimicrobial and anticancer potential of silver nanoparticles	25 <sup>th</sup> February 2022 34/2	Journal of King Saud University – Science	3.829	WoS
172	A Annam Renita	Chemical	S Sathish, J Aravind Kumar, L Nagarajan, SJ Sakthi Kumaran, S Sangeeth	Surface treated Phoenix sylvestris for bio adsorption of oil from aqueous solution: Isotherms and kinetic studies	Jan-22	Environmental Research	8.4	WoS
173	J. Aravind kumar	Chemical	T. Krithiga, S. Sathish, D. Prabu, S. Lokesh, R. Geetha, S. Karthick Raja Namasivayam, Mika Sillanpaa,	Persistent organic pollutants in water resources: Fate, occurrence, characterization and risk analysis	Mar-22	Science of Total Environment	10.7	WoS
174	N Magesh Research Scholar	Chemical	R Siva, N Harirajan, A Santhosh	Adsorption behaviour of fluoroquinolone (ciprofloxacin) using zinc oxide impregnated activated carbon prepared from jack fruit peel: Kinetics and isotherm studies	Dec-21	Chemosphere	8.9	WoS

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175	Raji Atchudan	Chemical	Annam Renita, Thomas Nesakumar Jebakumar Immanuel Edison, Suguna Perumal, Rajangam Vinodh, Rajendran Suresh Babu, Ashok K Sundramoorthy, A, Yong Rok Lee	Facile synthesis of nitrogen-doped porous carbon materials using waste biomass for energy storage applications	Dec-21	Chemosphere	8.9	WoS
176	Dr.D.Prabu	Chemical	P.Senthil Kumar, S.Sathish, K.Vijai Anand, J.Aravind Kumar, Osama B.Mohammed	Feasibility of magnetic Nano adsorbent impregnated with activated carbon from animal bone waste: Application for the chromium (VI) removal	Jan 2022/203	Environmental Research	8.431	WoS
177	Dr.D.Prabu	Chemical	P.Senthil Kumar S.Sathish, K.Vijai Anand, J.Aravind Kumar	One-Step Fabrication of Amino-Functionalized Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Core-shell magnetic nanoparticles as potential novel platform for the removal of cadmium from Aqueous solution	Feb 2022/14 (4), 2290	Sustainability	3.889	WOS
178	S.Sathish	Chemical	Sathish Sundararaman J.Aravind Kumar Prabu Deivasigamani, Yuvarajan Devaraja	Emerging pharma residue contaminants: Occurrence, monitoring, risk and fate assessment – A challenge to water resource management	June 2022/825	Science of Total Environment	10.75	WoS

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179	J.Aravind Kumar	Chemical	S.Sathish, T.Krithiga, S.Lokesh, D.Prabu, A.Annam Renita, P.Prakash, M.Rajasimman	A comprehensive review on bio-hydrogen production from brewery industrial wastewater and its treatment methodologies	Feb-22	Fuel	8.035	WoS
180	J. Aravind Kumar,	Chemical	T.Krithiga, G. Narendrakumar, P. Prakash, Balasankard, S. Sathish, D.Prabu, D. Purna Pushkalaa, Najat Marraikie, A.G. Ramu Dongjin Choi	Effect of Ca <sup>2+</sup> ions on naphthalene adsorption/desorption onto calcium oxide nanoparticle: Adsorption isotherm, kinetics and regeneration studies	Sep 2021/ 204	Environmental Research	8.431	WoS
181	Sathish	Chemical	Ponnusamy Senthil Kumar, Prabu Deivasigamani Aravind Kumar Jagadeesan Marshiana Devaerakkam, Abdulrahman Al-Hashimi, Dongjin Choi	Assessing the plant phytoremediation efficacy for azolla filiculoides in the treatment of textile effluent and redemption of Congo red dye onto azolla biomass	August 2021/ 13	Sustainability	3.889	WoS
182	Sathish	Chemical	J. Aravind Kumar, D. Prabu	Batch and column studies for adsorption of naphthalene from its aqueous solution using nanochitosan/sodium alginate composite	October 2021	Polymer Bulletin	2.843	WoS

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183	T.Ravi	Chemical	Ravi T., Sundararaman S.	Adsorptive Separation of Hexavalent Chromium From its Aqueous and Real Water Mixtures Using Thermally Treated Country Eggshell Coated With Magnetite Nanoparticles	Aug-21	Russian Journal of Physical Chemistry B	1.296	WoS
184	Gulzar Ahmed Rather	Biomedical Engineering	Manzoor Ahmad Pandit, Showket Yahya, Mohmmad Ashaq sofi, Hamed Barabadi, Muthupandian Saravanan	Biosynthesis of Zinc oxide nanoparticles using <i>Bergenia ciliate</i> aqueous extract and evaluation of their photocatalytic and antioxidant potential	December 2021	Inorganic Chemistry Communications	3.428	Scopus
185	Elizabeth Jesi .V	Biomedical Engineering	Shabnam Mohamed Aslam, G. Ramkumar, A. Sabarivani, A. K. Gnanasekar, Prince Thomas	Energetic Glaucoma Segmentation and Classification Strategies Using Depth Optimized Machine Learning Strategies	25 <sup>th</sup> November 2021	Contrast Media and Molecular Imaging	3.009	WoS
186	B. K. Nayak	Biomedical Engineering	V. Prabhakar	Myco-Facilitated Biosynthesis of Nano-Silver from Wasp Nest Fungus, <i>Paecilomyces variotii</i> , and Its Antimicrobial Activity Against MTCC Strains.	Apr-22	Frontiers in Microbiology	6.064	Scopus
187	Tianyu Hou	Biomedical Engineering	Siva Sankar Sana, Huizhen Li, Anima Nanda, Vasudeva Reddy Netala	Essential oils and its antibacterial, antifungal and anti-oxidant activity applications: A review	June 2022	Food Bioscience	5.318	Scopus



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188	A.Sabarivani	Biomedical Engineering	R. Ramadevi, R. Pandian, N. R. Krishnamoorthy	Effect of Data Pre-processing in the Detection of Epilepsy using Machine Learning Techniques	December 2021 Vol. 80,	Journal of Scientific & Industrial Research	0.555	WoS
189	A.Sabarivani	Biomedical Engineering	R. Ramadevi	Detection and Classification of Epilepsy Using Hybrid CNN	May-22	Concurrent Engineering Research and Application	2.118	WoS
190	V. Vinay Kumar	Biomedical Engineering	P. Grace Kanmani Prince, Biomed	Magnitude Normalized and OTSU Intensity based Brain Tumor Detection Using Magnetic Resonance Images	12.10.2021	IETE	1.877	WoS
191	Dr. H. Jemmy	Bioinformatics	Shiva Shankari, Ilma Majeed, Daniel Alex Anand	Deciphering the Synergistic Mechanism of Cortistatin towards Cancer Targets using Network Pharmacology Approach	55(4);November 2021	Indian Journal of Pharmaceutical Education and Research	0.843	WoS/ Scopus
192	Ms.Archana Vasuki	Bioinformatics	Dr.H.Jemmy Christy, Ms.Archana Vasuki	Comprehensive study of Human FBXW7 Deleterious nsSNP's Functional Inference and Susceptibility to Gynaecological Cancer	194(1);24 November 2021	Applied Biochemistry and Biotechnology	3.094	WoS/ Scopus
193	Srinivasan Bhargavi	Bioinformatics	S. R. Madhan Shankar	In silico and in vitro studies on inhibitors for SARS-CoV-2 non-structural proteins with dual herbal combination of Withania somnifera with five rasayana herbs	Published online: 08 Mar 2022	Journal of Bio molecular Structure and Dynamics	5.235	WoS/ Scopus

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194	Dr.Sunkar, Swetha	Bioinformatics	G. Ranimol	A comparative study of free laccase enzyme and laccase immobilized in copper alginate	Feb 2022, 59(2), 214-223	Indian Journal of Biochemistry and Biophysics	1.918	WoS
195	Ranimol.G	Bioinformatics	Chinju Paul	Optimization and efficacy studies of Laccase immobilized on Zein-Polyvinyl pyrrolidone Nano fibrous membrane in decolorization of Acid Red 1	Dec 2021, 84(10-11), 2703-2716	Water Science and Technology	1.915	WoS
196	Antony V. Samrot	Bioinformatics	Khosa Tariro Ngaakudzwe, D. Rajalakshmi, P. Prakash, S. Suresh Kumar, D. Alex Anand, M. Chandramohan, J. Lilly Mercy, Yishak Simon, S. Saigeetha	Waste-Derived Cellulosic Fibers and Their Applications	Volume 2022	Advances in material science and engineering	1.726	Scopus
198	P. Prakash Assistant Professor	Biotechnology	Aravind Kumar, Dhanya Vishnu, S. Hrithitha Sree, S. Madhumeena, Y. Lavanya & L. Inbathamizh	Utilization of eutrophicated Lemna minor for biosorption of acid blue dye	16/10/2021	Biomass Conversion and Bio refinery	4.05	WoS/ Scopus

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197	Jenifer Mallavarpu Ambrose	Bioinformatics	Daniel Alex Anand Malathi Kullappana Sardar Hussain, Kavin Mozhi James, Radhika Nalinakumari Sreekandan, Sumetha Suga Deiva Suga, Devakumar Kamaraj, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohani	A Computational approach to screen, predict and annotate human and chimpanzee PHEX intronic miRNAs, their gene targets, and regulatory interaction networks	20 April 2022.	Computational Biology and Chemistry	2.788	WoS/ Scopus
199	Aravind Kumar Assistant Professor	Biotechnology	Prakash Pandurangan, Thangavelu Krithiga, Duvuru Joshua Amarnath Jayapal Premkumar, Natarajan Rajamohan Yasser Vasseghian Panchamoorthy Saravanan Manivasagan Rajasimman	Methods of synthesis, characteristics, and environmental applications of MXene: A comprehensive review	20/7/2021	Chemosphere	8.9	WoS/ Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
200	Nagarajan Shobana	Biotechnology Ph.D. Research scholar	Antony V. Samrot, P. J. Jane Cypriana, Purohit Kajal, Mahendran Sathiyasree, Subramanian Saigeetha, T. Stalin Dhas, D. Alex Anand, Gokul Shankar Sabesan, Bala Sundaram M, Basanta Kumar Mohanty, Sridevi Visvanathan	Purification and Characterization of Gum-Derived Polysaccharides of <i>Moringa oleifera</i> and <i>Azadirachta indica</i> and Their Applications as Plant Stimulants and Bio-Pesticidal Agents	9/6/2022/27(12)	molecules	4.9	WoS/ Scopus
201	Srinivasan Sabitha, B.Tech BTE	Biotechnology	Nagarajan Shobana, Pandurangan Prakash, Sathiyamoorthy Padmanaban , Mahendran Sathiyashree , Subramanian Saigeetha, Srikumar Chakravarthi , Saji	A Review of Different Vaccines and Strategies to Combat COVID-19	MAY/2022/22(10)	Vaccines	4.4	Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
202	Karthick Raja Namasivayam, Professor, SIMATS	Biotech	Rabel AM, Prasana R, Bharani RA, Nachiyar CV	Gum acacia PEG iron oxide nanocomposite (GA-PEG-IONC) induced pharmacotherapeutic activity on the Las R gene expression of Pseudomonas aeruginosa and HOXB13 expression of prostate cancer (Pc 3) cell line. A green therapeutic approach of molecular mechanism inhibition	1 Nov 2021,190:940-59	International Journal of Biological Macromolecules	8.025	WoS
203	Dr.Antony samrot	Biotechnology	Dr.M. Bavanilatha Rest all Other university	The Synthesis, Characterization and Applications of Polyhydroxyalkanoates (PHAs) and PHA-Based Nanoparticles	Polymers2021, 13, 3302.	Polymers	4.329	WoS
204	Siva Subramanian Manikandan	Biotechnology	Dr.M.Masilamani Selvam	A critical review of advanced nanotechnology and hybrid membrane based water recycling, reuse, and wastewater treatment	289	Chemosphere	8.9	WoS
205	Govindhan Gnanamoorthy, Researcher	Biotechnology	Govindhan Gnanamoorthy, Kathikeyan V, Diaa Ali, Goklesh Kumar, Gracy Jenifer Sahayanathan, Virendra Yadav, Vengidusamy Narayanan.	Realization of rGO/ZnCo <sub>2</sub> O <sub>4</sub> nanocomposites enhanced for the antimicrobial, electrochemical and photocatalytic activities	10 December 2021120:108677	Diamond and related materials	3.8	Scopus

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206	Ayswarya S Research Scholar	Centre for Drug Discovery and Development	Manigundan K, Amit Kumar Sahu, Madhukar Said and Syed G Dastager.	2,4-Di-tert-butylphenol (2,4-DTBP) from endophytic <i>Streptomyces</i> sp. KCA1 from <i>Phyllanthus niruri</i> : isolation, characterization, antibacterial and anticancer properties.	15 May 2022(online) 34(5)	J. King Saud University – Science	3.829	WoS/ Scopus
207	Sangeetha M, Research Scholar Periyar University	Centre for Drug Discovery and Development	A. Sivarajan, M. Radhakrishnan	Bio sequestration of carbon dioxide using carbonic anhydrase from novel <i>Streptomyces kunmingensis</i>	Apr-22	Archives of Microbiology	2.667	WoS/ Scopus
208	Manigundan K., Research Assistant	Centre for Drug Discovery & Development	B. Abirami.	Exploring newer biosynthetic gene clusters in marine microbial prospecting.	Apr-22	Marine Biotechnology	3.727	WoS/ Scopus
209	Abirami B. JRF	Centre for Drug Discovery & Development	Manigundan K., Venugopal G., Jerrine Joseph and Parli V Bhaskar	Anti-freeze proteins (AFP): properties, sources and applications.	Aug-21	International Journal of Biological Macromolecules	8.025	WoS/ Scopus
210	Bharathi S, Assistant Professor	Centre for Drug Discovery & Development	B Ramesh, S Kumaran, M Radhakrishnan, D Saravanan, P Saravanan, SR Pugazhvendan	Development of Nano biomaterial for wound healing based on silver nanoparticles loaded on chitosan hydrogel	11 December, 12, 490	3 Biotech	2.893	WoS



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211	Abirami B JRF	Centre for Drug Discovery & Development	Radhakrishnan M, Kumaran Subramanian	Impacts of global warming on marine microbial communities.	May-21	Science of the Total Environment	10.753	WoS/ Scopus
212	Mary Shamyia Research Scholar	Centre for Drug Discovery & Development	J Jerrine; E Obluchinskaya; A Wilson;	Advance research in biomedical applications on marine sulfated polysaccharide	Nov-21	International Journal of Biological Macromolecules	8.02	Scopus
213	Dr. Rajasekar T Scientist C	Centre for Drug Discovery & Development	Pandi P, Balaraman D, Albalawi F, Ahmad N, Panagal M, Nageswara Rao T, Subramanian K, George EGJ, Rajan MA, Renuga PS, Aruni W,	Influence of extracellular protein isolated from fish gut associated bacteria as an enhancer of growth and innate immune system in Mugil cephalus	2022 Feb 25;12(1):3217.	Scientific Reports	4.996	Scopus
214	V. Karuppiah Shanghai Jiao Tong University, China	Centre for Drug Discovery & Development	Zhixiang, Lu; Liu, Hongyi; Murugappan, Vallikkannu; Kumaran, Subramanian; Anahas Anthonyraj Matharasi Perianaika;	Co-cultivation of T. asperellum GDFS1009 and B. amyloliquefaciens 1841: strategy to regulate the production of ligno-cellulolytic enzymes for the lignocellulose biomass degradation	Jan-22	Journal of Environmental Management	8.91	Scopus

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215	Bharathi Kumar Srimad Andavar Arts & Science College, Trichy	Centre for Drug Discovery and Development	Kumar, Bharathi; Tharumasivam, Siva Vijayakumar; Boominathan, Vasuki; Perumal, Elumalai; Dhandapani, Prabu; Kaliyaperumal, Kumaravel; Arumugam, Suresh; Subramanian, Kumaran; Renuga, Pugazhvendan Sampath; Shakthivel, Vasanth; Bupesh Giridharan, Wilson Aruni, Lokesh Kumar Boopathy	A pilot study on Nano therapy of Momordica charantia against trimethyltin chloride-induced neurotoxicity in Danio rerio (zebrafish)	Nov-21	Journal of Nanomaterials	3.791	Scopus
216	Sun, Jianan; Shanghai Jiao Tong University, China	Centre for Drug Discovery and Development	Karuppiah, Valliappan; Li, Yaqian; Pandian, Sivakumar; Kumaran, Subramanian; Chen, Jie;	Role of cytochrome P450 genes of Trichoderma atroviride T23 on the resistance and degradation of dichlorvos	Dec-21	Chemosphere	8.94	Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
217	Kumaran Subramanian	Centre for Drug Discovery and Development	Selvaraj, Harshni; Sampath Renuga, Pugazhavendan; Velmurugan S Aruni, Wilson	Anti-Quorum Sensing in Pathogenic Microbes Using Plant-Based Bioactive Phytochemicals	Jan-22	Advances in Materials Science and Engineering	2.098	Scopus
218	Kumaran Subramanian	Centre for Drug Discovery and Development	Logaraj, Harinakshi; Ramesh, V; Mani, Mahendrakumar; Balakrishnan, K; Selvaraj, Harshni; Pugazhvendan, Sampath Renuga; Velmurugan, S; Aruni, Wilson	Intelligent pH Indicative Film from Plant-Based Extract for Active Biodegradable Smart Food Packing	Feb-22	Journal of Nanomaterials	3.791	Scopus
219	Abel Saka Dambi Dollo University, Ethiopia	Centre for Drug Discovery and Development	Abel, Saka; Tesfaye, JuleLeta; Gudata, Lamessa; Nagaprasad, N; Subramanian, Kumaran; Mani, Mahendrakumar; Shanmugam, R; Dwarampudi, L Priyanka; Roy, Arpita; Stalin, B; Ramaswamy Krishnaraj	Biobutanol preparation through sugar-rich biomass by Clostridium saccharoperbutylacetonicum conversion using ZnO nanoparticle catalyst	Feb-22	Biomass Conversion and Bio refinery	4.05	Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
220	Kumaran Subramanian	Centre for Drug Discovery and Development	Balaraman Deivasigamani; Panangal, Mani; Nageswara Rao, Tentu; Perumal, Elumalai; Kumarappan, Alagappan; Sampath Renuga, Pugazhvendan; Arumugam, Suresh; Thirunavukkarasu, Rajasekar; Aruni, Wilson;	Bioconversion of chitin waste through <i>Stenotrophomonas maltophilia</i> for production of chitin derivatives as a Seabass enrichment diet	Mar-22	Scientific Reports	4.99	Scopus
221	Sivaperumal, SRM University	Centre for Drug Discovery and Development	Sivaperumal Pitchiah, Kamala Kannan, Subramanian Kumaran, Aruni Wilson, Shanmugam Rajeshkumar, Rajaram Rajendran	Baseline assessment of marine actinobacterial diversity around the nuclear power plant sites, India and its application to uranium remediation	Mar-22	Environmental Research	8.431	Scopus

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222	Padmanabhan, Sambandam; Vel Tech University	Centre for Drug Discovery and Development	Giridharan, K; Stalin, Balasubramaniam; Kumaran, Subramanian; Kavimani, V; Nagaprasad, N; Tesfaye Jule, Leta; Krishnaraj Ramaswamy;	Energy recovery of waste plastics into diesel fuel with ethanol and ethoxy ethyl acetate additives on circular economy strategy	Mar-22	Scientific Reports	4.996	Scopus
223	Abel Saka Dambi Dollo University, Ethiopia	Centre for Drug Discovery and Development	Jule, Leta Tesfaye; Gudata, Lamessa; Shuma, Soressa; Nagaprasad, N; Subramanian, Kumaran; Afessa, Geleta; Ramaswamy, Krishnaraj;	Preparation of biobutanol via coffee bean harsh extracts by zinc oxide nanoparticle as catalyst	May-22	Biomass Conversion and Bio refinery	4.05	Scopus
224	Krishnaraj R Dambi Dollo University, Ethiopia	Centre for Drug Discovery and Development	Ramaswamy, Krishnaraj; Jule, Leta Tesfaye; Subramanian, Kumaran; Seenivasan, Venkatesh;	Reduction of environmental chemicals, toxicity and particulate matter in wet scrubber device to achieve zero emissions	Jun-22	Scientific Reports	4.996	Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
225	Kumaran Subramanian	Centre for Drug Discovery and Development	Balaraman, Deivasigamani; Kaliyaperumal, Kumaravel; Devi Rajeswari, V; Balakrishnan, K; Ronald Ross, P; Perumal, Elumalai; Sampath Renuga, Pugazhvendan; Panangal, Mani; Swarnalatha, Y;	Preparation of an Intelligent pH Film Based on Biodegradable Polymers for Monitoring the Food Quality and Reducing the Microbial Contaminants	Jun-22	Bioinorganic Chemistry and Applications	4.724	Scopus
226	M. Bharanitharan Annamalai University	Centre for Drug Discovery and Development	Mathalaimuthu Baranitharan, Mahmoud Kandeel, Govindan Shanmugavel, Kumaravel Kaliyaperumal, Kumaran Subramanian, Kuppusamy Elumalai, Jayapal Gokulakrishnan, Hari Irrusappan, Senthil Rethinam, S. Velmurugan	Fabrication of Silver Nanoparticles Using Fimbristylismiliacea: A Cheap and Effective Tool against Invasive Mosquito Vector, <i>Aedes albopictus</i>	Jun-22	Journal of Nanomaterials,	3.791	Scopus

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227	Manigundan Kaari	Centre for Drug Discovery and Development	Radhakrishnan Manikkam, Ayswarya S, Gopikrishnan V, Balamurugan A, Sakthivel K.	Biocontrol <i>Streptomyces</i> Induces Resistance to Bacterial Wilt by Increasing Defense-Related Enzyme Activity in <i>Solanum melongena</i> L	May 2022	Current Microbiology	2.343	WoS/ Scopus
228	Manigundan Kaari	CDDD	Radhakrishnan Manikkam, Ayswarya S, Gopikrishnan V	Biological control of <i>Streptomyces</i> sp. UT4A49 to suppress tomato bacterial wilt disease and its metabolite profiling	Jan-22	Journal of King Saud University - Science	3.829	WoS/ Scopus
229	Jerrine Joseph	CDDD	Manigundan K, Mary Shanya, Radhakrishnan M, Gopikrishnan V, Kumaran S, Rajasekar T, Wilson Aruni	Conversion of Aquaculture Waste into Biomedical Wealth: Chitin and Chitosan Journey	22 April 2022	Advances in materials science and Engineering	2.098	WoS/ Scopus
230	Mayavan Veeramuthu	Centre for Aquaculture	Ramamoorthy Sathishkumar Eswaramoorthy Thirumalaikumar Mayavan Veeramuthu Rajeswari Jeganathan Arun Sugumar Vimal, Mariavincent Michael Babu	Extraction, statistical optimization, and immunomodulatory activity of exopolysaccharide from seaweed-associated <i>Bacillus megaterium</i> DSKPDF CMST3	13, January, 2022	Biomass Conversion and Bio refinery	4.05	Scopus



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231	Udhayaraj Suriyakalaa, Post-Doctoral Fellow	Centre for Laboratory Animal Technology and Research	Devanesan Arul Ananth, Rajamanickam Ramachandran, Devaraj Sankarganesh, Jayaraman Angayarkanni, Zipora Tietel	Analysis of phytochemical composition of leaf extract of sacred fig ( <i>Ficus religiosa</i> L.) by UPLC-QqQ-MS and assessment of their hepatocurative potential in mouse model	21-Jan-22	South African Journal of Botany	3.111	WoS
232	Venkatesh KM, Veterinarian -cum- Scientist	Centre for Laboratory Animal Technology and Research	Chinmoy Mishra, Sukanta Kumar Pradhan	First report on molecular characterization and in silico analysis of caprine TCIM gene	11 May 2022, 212, 106723	Small Ruminant Research	1.893	WoS
233	Kavisri, M. Research Scholar	CRSG	Marykutty Abraham, Gopal Prabakaran, Manickam Elangovan	Phytochemistry, bioactive potential and chemical characterization of metabolites from marine microalgae	17 <sup>th</sup> July 2021 Vol. 11 (4).	Biomass Conversion and Biorefinery	4.05	WoS
234	T. Jagadesh, (Research Scholar)	R&D	-	Modelling Target Detection and Performance Analysis of Electronic Countermeasures for Phased Radar	Vol.35, No.1, 2023, pp.449-463	Intelligent Automation and Soft Computing	3.401	WoS
235	Jayakumar, P (Research Scholar)	R&D	Padmanabhan, S., B.Sheela Rani Balamugundan, B., Mulugeta, L.(Collaborative Publication)	Improvement Study on Blood Test Investigation by Nanoparticle-Coated Colour-Coded Sample Paper	Volume 2022  Article ID 8277421	Journal of Nanomateria 1	3.791	WoS

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236	C Kumar	Centre for Ocean Research	J Sridhar, R Thirugnanasambandam, B Subashni, G Dharani, Meivelu Moovendhan, S Ajmal Khan	Proximate composition and fatty acid profile of <i>Himantura marginata</i> (Blackedge whipray) liver oil	Sep-21	Biomass Conversion and Biorefinery	4.05	WoS
237	Subashni Bhoopathy	Centre for Ocean Research	Thirugnanasambandam Rajendran, Kumar Chandrasekaran, Badam Avinash Reddy, Ramachandran Kasilingam, Varadharajan Ramesh Kumar, Gopal Dharani	Dietary supplementation of curcumin-loaded chitosan nanoparticles stimulates immune response in the white leg shrimp <i>Litopenaeus vannamei</i> challenged with <i>Vibrio harveyi</i>	Aug-21	Fish & Shellfish Immunology	4.622	WoS
238	SU Mohammed Riyaz	Centre for Ocean Research	P Bhavadharani, R Gopika, J Elson, M Bavani-Latha, D Manikandan, T Stalin-Dhas, S Nalini, J Simal-Gandara	Transcriptomic responses in ice diseased red algae <i>Kappaphycus alvarezii</i>	Sep-21	Aquaculture	5.135	WoS
239	Dr. V. Karthick, Scientist - B	Centre for Ocean Research	Inbakandan, D; Kumar, V Ganesh; Rene, Eldon R; Dhas, T Stalin; Ravi, M; Sowmiya, P; Das, CG Anjali;	Effect of selenium nanoparticles induced toxicity on the marine diatom <i>Chaetoceros gracilis</i>	May 2022, Pages 200-209	Process Safety and Environmental Protection	7.926	WoS

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240	Kumar Chandrasekaran	Centre for Ocean Research	Sridhar Jayavel, Thirugnanasambandam Rajendran, Subashni Bhoopathy, Dharani Gopal, Kirubakaran Ramalingam, Seyed Ajmal Khan	Complete sequence and characterization of the Mobula tarapacana (Sicklefin Devilray) mitochondrial genome and its phylogenetic implications	Feb-22	Journal of King Saud University-Science	3.829	WoS
241	Mr. Parthasarathy S, Research Scholar	Centre for Ocean Research	Subbarao, R.V.	Development of a remote aliquoting system and a remote titration method for analysis of fast reactor fuel reprocessing plant samples inside a hot cell	Volume 330, Issue 3, Pages 1147 – 1154 Dec 2021	Journal of Radio analytical and Nuclear Chemistry	1.754	WoS
242	Dr. V. Karthick, Scientist - B	Centre for Ocean Research	Kumar, V Ganesh; Inbakandan, D; Rene, Eldon R; Suganya, KS Uma; Embrandiri, Asha; Dhas, T Stalin; Ravi, M; Sowmiya, P	The impact of engineered nanomaterials on the environment: Release mechanism, toxicity, transformation, and remediation	April 2022, 113202	Environmental Research	8.431	WoS
243	Dr.J. Baalamurugan	Centre for Ocean Research	Senthilkumar, P., Govindaraju, K., Stalin Dhas, T.	Iron oxide slag nanocomposites in removal of hexavalent chromium	July 2021 Volume 18(5-8), pp. 436-448	International Journal of Nanotechnology	0.346	WoS/ Scopus
244	Dr.J.Baalamurugan Scientist - B	Centre for Ocean Research	Anjali Das, C.G., Naveen Prasad, B.S., Govindaraju, K.	Removal of anionic dye Eriochrome Black-T using nanocomposites derived from slag	July 2021 Volume 18(5-8), pp. 436-448	International Journal of Nanotechnology	0.346	WoS/ Scopus

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245	D. Vinu, SRF	Centre for Ocean Research	R. Vasantharaja, S. Amreen Nisa	Studies on temperature impact (sudden and gradual) of the white-leg shrimp <i>Litopenaeus vannamei</i> .	27-May-22	Environmental Science and Pollution Research	5.19	WoS
246	S. Tamilselvan, SRF	Centre for Ocean Research	R.M. Soniya, R. Vasantharaja, M. Kannan, S. Supriya, B. Prabhu Dass Batvari, T. Ramesh	Silver nanoparticles based spectroscopic sensing of eight metal ions in aqueous solutions	3 June 2022	Environmental Research	8.431	WoS
247	K. Govindaraju, Scientist	Centre for Ocean Research	R. Vinu, R. Gautam, R. Vasantharaja, M. Niranjana, I. Sundar	Microwave-assisted torrefaction of biomass <i>Kappaphycus alvarezii</i> -based biochar and magnetic biochar for removal of hexavalent chromium [Cr(VI)] from aqueous solution	04-Mar-22	Biomass Conversion and Biorefinery	4.05	WoS
248	N. Amreena Jan, PG student	Centre for Ocean Research	S. Ganapathy, J. Mohanraj, K. Govindaraju (Collaborative publication)	Nano-fiber enabled regulated release of hexanal vapor and its impact on shelf life of mango fruits	31-Jan-22	Polymer Bulletin	2.843	WoS
249	D. Kirbashini, PG student	Centre for Ocean Research	X.T.L. Sharolynne, S.W. Ling, K. Govindaraju, F.L. Poh, M.L. Yang (Collaborative publication)	Antibacterial properties of zinc oxide nanoparticles on <i>Pseudomonas aeruginosa</i> (ATCC 27853)	December 2021/ 28	Scientia Iranica	1.416	WoS

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250	Chinna Mukiri, PG student	Centre for Ocean Research	M. Senthilkumar, K. S. Subramanian, K. Govindaraju, D. Pradeep, Syndhiya Ranjan (Collaborative publication)	Immobilization of beneficial microbe <i>Methylobacterium aminovorans</i> in electrospun nanofibre as potential seed coatings for improving germination and growth of groundnut <i>Arachis hypogaea</i>	04-Aug-21	Plant Growth Regulation	3.242	WoS
251	Arkaprava Roy, PG student	Centre for Ocean Research	Shiv Vendra Singh, K. Govindaraju, V.C. Dhyani, Suhita Pyne (Collaborative publication)	Preparation and evaluation of two enriched biochar-based fertilizers for nutrient release kinetics and agronomic effectiveness in direct-seeded rice.	28-Feb-22	Biomass Conversion and Biorefinery	4.05	WoS
252	Ravi Mani Scientist C	Centre for Ocean Research	Ravi M, Parameswaran V, Karthick V, Stalin D, R.M.Gengan, Dhivya S, Soon Woong C, Balasubramani R	Synthesis of biogenic silver nanoparticles using butter fruit pulp extract and evaluation of their antibacterial activity against <i>Providencia vermicola</i> in Rohu	Apr-22	Journal of King Saud University - Science	3.829	WoS
253	Sakthinarendran S	Centre for Ocean Research	Sakthinarendran S, Ravi M, Parameswaran V, Mirunalini G, Karthick V, Ramamoorthy A, Soon Woong C, Ganesh M.	Risk assessment of potential toxicity induced by bio and synthetic plastic microspheres in <i>Lates calcarifer</i>	Mar-22	Chemosphere	8.943	WoS

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254	Mirunalini G	Centre for Ocean Research	Mirunalini G, Ravi M, Sakthinarenderani S, Govindaraju K, Mukesh Kumar Awasthi, Rajinikanth R, Nur Izyan Wan, Azeleed P.K.Selvi Soon Woong Chang, Balasubramani R	Bioremediation of oil degrading marine bacteria: An overview of supplements and pathways in key processes	May-22	Chemosphere	8.943	WoS
255	Kaliappan S	Centre for Ocean Research	Kaliappan S, Karthick M, Pravin P, Madhu P, Sekar S, Ravi M, Francisa K, Mahanraj, Solomon Neway Jida	Utilization of Eco-Friendly Waste Eggshell Catalysts for Enhancing Liquid Product Yields through Pyrolysis of Forestry Residues	Jun-22	Journal of Nanomaterials	3.791	WoS
256	Ravi Mani Scientist C	Centre for Ocean Research	Ravi M, Sudhakaran R, Parameswaran V, Karthikayan K, Stalin Dhas, Karthick V	Experimental infection of Enterocytozoon hepatopanaei parasite (EHP) of penaeid shrimp in Indian marine crabs	May-22	Archives of Microbiology	2.667	WoS
257	Jyoti K	Centre for Ocean Research	Jyoti K, Arun R, Gursharan S, Madhu K Shailendra K Arya, Natchimuthu K, Balasubramani R, Soon Woong Chang, Ravi M	Methodical study implicating the effectiveness of Microbial treatment over Xylanase Enzymatic treatment for Pulp Bio-bleaching	Jun-22	Environmental Technology & Innovation	7.758	WoS/ Scopus

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258	T. Stalin Dhas; Scientist	Centre for Ocean Research	P. Sowmiya, K. Parthasarathy, A. Natarajan, N. Gopakumaran, V.R. Kumar, A.V. Samrot, M. Riyaz, V.G. Kumar, V. Karthick, A. Rajasekar	In vitro antibacterial activity of biosynthesized silver nanoparticles against gram negative bacteria	09-Feb-22	Inorganic and Nano Metal Chemistry	1.514	WoS
259	P. Sowmiya; JRF	Centre for Ocean Research	D. N. Sai, Jyotsna, N. Anandakumar, V. Ganesh Kumar, M. Ravi, S. Nalini, J.F. Borgio, S. Abdul Azeez, V. Karthick	Genotoxicity evaluation of pectin mediated gold nanoparticles on Zebrafish embryos (Danio rerio)	24 March 2022; 58 186–194	Applied Biochemistry and Microbiology	1.065	WoS
260	N. Shobana; Research Scholar	Centre for Ocean Research	N. Shobana, P.J.J. Cypriyana, P. Kajal, M. Sathiyasree, S. Saigeetha, T. Stalin Dhas, D.A. Anand, S. Gokul, B.S. Muthuvenkatachalam, B.K. Mohanty, S. Visvanathan	Purification and characterization of gum-derived polysaccharides of Moringa oleifera and Azadirachta indica and their applications as plant stimulants and bio-pesticidal agents	9 June 2022; 27, 3720	Molecules	4.927	WoS
261	R.R. Remya	Centre for Ocean Research	A. Julius, T.Y. Suman, L. Aranganathan, T. Stalin Dhas, V. Mohanavel, A. Karthick, M. Muhibbullah	Biofabrication of silver nanoparticles and current research of its environmental applications	25 Apr 2022; 2670429, PP 11	Journal of Nanomaterials	3.791	WoS



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262	Antony V. Samrot	Centre for Ocean Research	S. Saigeetha, Chua Yeok Mun, S. Abirami, Kajal Purohit, P. J. Jane Cypriyana, T. Stalin Dhas, L. Inbathamizh	Utilization of Carica papaya latex on coating of SPIONs for dye removal and drug delivery (Collaborative Work)	31 December 2021; 11, 24511	Scientific Reports	4.996	WoS
263	R.Dineshku mar, Assistant Professor	Centre For Ocean Research	M. Sowndariya, S. Kalaiselvi, G. Israth Rehana, M.Durai Murugan, Marykutty Abraham, M. Kavisri.	Effective removal of Lead (Pb) by natural biosorbent marinemicroalgae (Dunaliella salina) through batch experiment.	02-12-2022	Biomass Conversion and Biorefinery	4.05	WoS
264	Anuradha Venkatraman, Research Scholar	Centre For Ocean Research	Anuradha Venkatraman, Meivelu Moovendhan, Kumar Chandrasekaran, Saranya Ramesh, Ashashalini Albert, Sangeetha Panchatcharam, Syed Ali, Mohamed Yacoob, Bhuvana P, Yogananth Nagarajan, Saravanan Govidasamy Kuppusamy.	Alcoholic concentrate of microalgal biomassmodulates cytotoxicity, apoptosis, and gene expression studied in hepatocellular carcinoma.	14/05/2022	Biomass Conversion and Biorefinery	4.05	WoS

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266	Sathyaraj Weslen Veda kumari	Centre for Ocean Research	S Jacquelin Veda Jancy, P.Yovan Raja, B. Jayavardhini K. Iyswariya, T. Shalini, R. Rubiya, P. Lokesh, C. Kumar Periyathambi Prabu, R. Murugesan	Facile synthesis of sericin modified graphene oxide nanocomposites for treating ischemic diseases	June 2022.209, 2022, 112925	Environmental Research	8.431	WoS
267	Dr. D. Jeyapragash & Scientist B	Centre for Ocean Research	Yosuva M, Rajiv P, Jayachandran K, Madhan, Saravanakumar Ayyappan, Ramachandran S, Aran I	Phenylpropanoid biosynthetic gene expression and nutrient uptake kinetics for enhanced rosmarinic acid production in suspension cultured cells of <i>Halodule pinifolia</i>	10.04.2022/64	Algal Research	5.276	WoS
268	Mousa A. Alghuthaymi & Research Scholar	Centre for Ocean Research	Fawziah M. A, Rajiv P, Manigandan V, Saravanakumar A, Kumaralingam S, Kamel A. A-E	Elicitor-Induced Metabolomics Analysis of <i>Halodule pinifolia</i> Suspension Culture for an Alternative Antifungal Screening Approach against <i>Candida albicans</i>	07.06.2022 /08/609	Journal of Fungi	5.724	WoS
269	Rajiv P	Centre for Ocean Research	Manju Praveena, Priya, Ranjith, Gokulra J, Jeyapragash Danaraj (Co-Author)	Biosynthesis of Silica Nanoparticles Using the Leaf Extract of <i>Punica granatum</i> and Assessment of Its Antibacterial Activities Against Human Pathogens	09.06.2022/194/06	Applied Biochemistry and Biotechnology	3.094	WoS

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270	M. Sankareswaran	Centre for Ocean Research	Sasivarnam M, Jeyapragash Danaraj (Co-Author), Sugapriya Dhanasekaran, Abhomugaid M M	Bio-fabrication of Bio-inspired Silica Nanomaterials from <i>Bryophyllum pinnatum</i> Leaf for Agricultural Applications	06.06.2022/194/06	Applied Biochemistry and Biotechnology	3.094	WoS
271	Dr. V. Karthick, Scientist - B	Centre for Ocean Research	Sharma, Akshata; Sakthiselvan, Punniavan; Karthick, V; Subraja, R; Srinivasan, T; Amudha, K; John, Shani T	Antidandruff Activity of Polyherbal (Murrayakoenigii, Moringaoleifera, and Psidiumguajava) Extract against Malassezia Species: In Silico Studies	Volume 2022   Article ID 7373942	Advances in Materials Science and Engineering	2.098	WoS
272	Dr. V. Karthick, Scientist - B	Centre for Ocean Research	Sakthiselvan, Punniavan; Madhumathi, Ramasamy; Karthick, V; Mukhopadhyay, Gangotry; Prakash, Dass; Srinivasan, T; John, Shani T	Production and Characterization of Polymer Blends and Assessment of Biodegradation	Volume 2022   Article ID 5761288	Journal of Nanomaterials	3.791	WoS
273	Dr. V. Karthick, Scientist - B	Centre for Ocean Research	Minakshi, Guha Chowdhury; Velu, Karthick; Priya, Tanu; Kumar, R Mohan; Kaliappan, Ilango; Dubey, Govind Prasad;	Anti-adipogenic $\beta$ -sitosterol and lupeol from Moringaoleifera suppress adipocyte differentiation through regulation of cell cycle progression	Volume46, Issue8	Journal of Food Biochemistry	3.654	WoS

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274	L Stanley Abraham Scientist E	Centre for Ocean Research	P Prakash, N M D Sai Krishna, O R Paramasivam, B I Thomson, K Rajakumari	Analysis of bioactive compounds from Gracilariafoliifera based on lunar phases	Vol. 51 No. 05, May,2022	Indian Journal of Geo Marine Sciences	0.553	
275	K. M. Smita Ph.D. Scholar (External)	Centre for Ocean Research	S. Sunitha, R. Vasantharaja & R. Thirugnanasambandam	Extraction and correlation of total phenolic and flavonoid contents in seaweeds collected from Rameshwaram during pre- and post- monsoon period using different solvent systems with their antioxidant activity	Vol. 51 No. 05, May,2022	Indian Journal of Geo Marine Sciences	0.553	
276	Steffy Joseph	Centre for Ocean Research	D. Inbakandan, K. Govindaraju and G, Dharani	Enhancement of Bacteriorhodopsin production from novel haloarchaea strains of Marakanam region of Tamil Nadu	Vol. 51 No. 05, May,2022	Indian Journal of Geo Marine Sciences	0.553	
277	Alok Ranjan	Centre for Waste Management	Nirmala N, Santhosh A, Arun J	Application of deep eutectic solvent in biodiesel reaction: RSM optimization, CI engine test, cost analysis and research dynamics	04-09-2021	Fuel	8.035	WoS/ Scopus
278	J. Arun	Centre for Waste Management	N. Nirmala, P. Priyadharsini, S.S. Dawn, A. Santhosh, K.P. Gopinath, M. Govarathanan	A mini-review on bioderived carbon and its nanocomposites for removal of organic pollutants from wastewater	08-12-2021	Materials letters	3.574	WoS/ Scopus

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279	U. Haripriyan	Centre for Waste Management	K. P. Gopinath	Chitosan based Nano adsorbents and its types for heavy metal removal: A mini review	06-01-2022	Materials letters	3.574	WoS/ Scopus
280	J.Rajagopal	Centre for Waste Management	K. P. Gopinath, R. Neha K. Aakriti, R.Sai Jayarama, J. Arun	Processing of household waste via hydrothermal gasification and hydrothermal liquefaction for bio-oil and bio-hydrogen production: Comparison with RSM studies	14-01-2022	Journal of Environmental Chemical Engineering	7.968	WoS/ Scopus
281	R. Goutham	Centre for Waste Management	J. Arun	Photocatalytic reactive oxygen species generation and their mechanisms of action in pollutant removal with biochar supported photocatalysts: A review	25-02-2022	Journal of Cleaner Production	11.072	WoS/ Scopus
282	Divya Lakshmi	Centre for Waste Management	D. Akhil, A. Kartik, K. P. Gopinath, J. Arun, A. Bhatnagar, J. Rinklebed, Woong Kim	Artificial intelligence (AI) applications in adsorption of heavy metals using modified biochar	18-08-2021	Science of the Total Environment	10.753	WoS/ Scopus
283	J. Arun	Centre for Waste Management	S. Shri Vigneshwar, A. Swetha, K. P. Gopinath, S. Basha, K. Brindhadevi	Bio-based algal (Chlorella vulgaris) refinery on de-oiled algae biomass cake: A study on biopolymer and biodiesel production	06-11-2021	Science of the Total Environment	10.753	WoS/ Scopus

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284	R.Goutham	Centre for Waste Management	Pal Rohit, S. Shri Vigneshwar, A.Swetha K. P. Gopinath, A. Pugazhendhi	Ionic liquids in wastewater treatment: A review on pollutant removal and degradation, recovery of ionic liquids, economics and future perspectives	18-11-2021	Journal of molecular liquids	6.633	WoS/ Scopus
285	S. Shri Vigneshwar	Centre for Waste Management	A.Swetha, J. Arun, R. Sivaramakrishnan, A. Pugazhendhi	Photo-catalytic reforming of aqueous phase derived from hydrothermal liquefaction of Nostoc ellipsosporum for bio-hydrogen production	06-07-2021	International journal of energy research	4.672	WoS/ Scopus
286	S. Shyam	Centre for Waste Management	J.Arun, K. P. Gopinath, M. Ashish, Gautam Ribhu	Biomass as source for hydrochar and biochar production to recover phosphates from wastewater: A review on challenges, commercialization, and future perspectives	06-07-2021	Chemosphere	8.943	WoS/ Scopus
287	S. Shri Vigneshwar	Centre for Waste Management	A.Swetha, K. P. Gopinath, R. Goutham, R. Pal, J. Arun, P. Sundar Rajan, A. Bhatnagar, Nguyen Thuy Lan Chi	Bioprocessing of biowaste derived from food supply chain side-streams for extraction of value added bio products through bio refinery approach	23-05-2022	Food and chemical toxicology	5.572	WoS/ Scopus

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288	N. Nirmala	Centre for Waste Management		Optimization of <i>Chlorella variabilis</i> . MK039712.1 lipid transesterification using Response Surface Methodology and analytical characterization of biodiesel	27 July, 2021	Renewable Energy	8.634	WoS/ Scopus
289	Nirmala N	Centre for Waste Management	V. Shriniti, K. Aasresha, J. Arun, K.P. Gopinath, S.S. Dawn, Sheela devi.K. Birindhadevi, Nguyen Thuy Lan Chi	Removal of toxic metals from wastewater environment by graphene-based composites: A review on isotherm and kinetic models, recent trends, challenges and future directions	5-6-22 840	Science of the total environment	10.753	WoS/ Scopus
290	A Santhosh	Centre for Waste Management	-	Synthesis of zinc chloride activated eco-friendly Nano-adsorbent (activated carbon) from food waste for removal of pollutant from biodiesel wash water	29 July 2021 / Water Science Technology (2021) 84(5) : 1170–1181	Water Science and Technology	2.43	WoS
291	P.Priyadharsini	Centre for Waste management	-	Optimization of fermentation conditions using response surface methodology (RSM) with kinetic studies for the production of bioethanol from rejects of <i>Kappaphycus alvarezii</i> and solid food waste	24-08-2021	Biomass Conversion and Biorefinery	4.05	WoS/ Scopus



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292	P.Priyadharsini	Centre for Waste management	Dr. Arun	Four stroke diesel engine performance and emission studies of ethanol recovered from <i>Kappaphycus alvarezii</i> reject-solid food waste mixed substrates and its blends	1/3/2022, Vol. 291, Part -1	Chemosphere	8.9	WoS/ Scopus
293	Rodrigo Gueron	CCCS	A.O Almeida, R Aguilar, M.B Ogburn, S Prakash, J.A Baeza	Delimiting species within the <i>Lysmatavittata</i> (Stimpson, 1860) (Decapoda: Lysmatidae) species complex in a world full of invaders	June 2022, 5150(2): 189-216	Zootaxa	1.026	WoS/ Scopus
294	S. Prakash	CCCS	T. T. Ajith Kumar and Kuldeep Lal	Corallimorph sea anemone infestation in the coral reefs of Lakshadweep archipelago, India	May 2022, Vol 122(9): 1009-1010	Current Science	1.16	Scopus
295	Prakash S	CCCS	Kumar, A., Okla, M., Ahmad, A., Abbas, Z.K., Al-ghamdi, A.A., Beemster, G., AbdElgawad, H.	Physiological responses of the symbiotic shrimp <i>Ancylocaris brevicarpalis</i> and its host sea anemone <i>Stichodactylahaddoni</i> to ocean acidification	Feb 2022, Vol. 175,	Marine Pollution Bulletin	7	WoS/ Scopus
296	R Aguilar	CCCS	S Prakash, MB Ogburn, KM Pagenkopp Lohan, KS MacDonald, AC Driskell, S Ahyong, M Leray, SE McIlroy, TD Tuckey, AJ Baeza	Unresolved taxonomy confounds invasive species identification: the <i>Lysmatavittata</i> Stimpson, 1860 (Decapoda: Caridea: Lysmatidae) species complex and recent introduction of <i>Lysmatavittata sensu stricto</i> in the western Atlantic	March 2022, Vol. 42	Journal of Crustacean Biology	1.29	WoS/ Scopus

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297	Vinuganesh A	CCCS	Prakash S., Alotaibi M.O., Saleh A.M., Mohammed A.E., Beemster G.T., Abdelgawad H.	Influence of seawater acidification on biochemical composition and oxidative status of green algae <i>Ulva Compressa</i>	1 Feb 2022, Vol 806 part 1	Science of the Total Environment	10.75	WoS/ Scopus
298	S. Prakash	CCCS	N. Marimuthu	First record of some crinoid and sponge associated crustacean decapods (Crustacea: Decapoda) from Lakshadweep Archipelago	Apr-22	Thalassas	0.95	WoS/ Scopus
299	Kumar A.	CCCS	Vinuganesh A.	An Assessment of marine and coastal diversity of Covelong, Chennai, India	Nov, 21, Vol. 48	Regional Studies in Marine Science	2.16	WoS/ Scopus
300	Kumar A.	CCCS	Prakash S	Rare observation of sea anemone <i>Calliactis polypus</i> on carapace of spider crab, <i>Docleamuricata</i> at the Covelong fish landing centre	10 Oct 2021 Vol 121, Issue 7	Current Science	1.16	Scopus
301	Adhavan D	CCCS	Prakash S., Kumar A.	Tube dwelling gastropod an indicator of coral reef status at the tropical reef of Palk Bay region, southeast coast of India.	July 2021, Vol. 50	Indian Journal of Geo Marine Sciences	0.55	WoS

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302	Amit Kumar, Scientist	CCCS	Kumar, A., Nonnis, S., Castellano, I., AbdElgawad, H., Beemster, G., Buia, M., Maffioli, E., Tedeschi, G., Palumbo, A	Molecular response of <i>Sargassum vulgare</i> to acidification at volcanic CO <sub>2</sub> vents: insights from proteomic and metabolite analyses	30 May 2022, Vol 31, issue 14	Molecular Ecology	6.62	WoS/ Scopus
303	Sneha Singh	CCCS	Amit Kumar	Re-thinking cheat-proof and supervision-free exams: A perspective in view of Covid-19 situation in developing economies	26 Jan 2022, Vol 50 issue 2	Biochemistry and Molecular Biology Education	1.369	WoS
304	Murugesan Praveen Kumar	Centre for nanoscience and nanotechnology	Ramalinga Viswanathan Mangalaraja, Prabhakarn Arunachalam, Manavalan Rajesh Kumar, Unalome Wetwatana Hartley, Sunitha Salla, Jothiramalingam Rajabathar, Zeid A. ALothman, Tariq ALTalhi	Design and development of defect rich titania nanostructure for efficient electrocatalyst for hydrogen evolution reaction in an acidic electrolyte	September, 2021 Vol: 14	Journal of materials research and technology	6.26	WoS/ Scopus

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305	Annamalai Padmanaban	Centre for nanoscience and nanotechnology	Nachimuthu Venkatesh, Subhenjit Hazra, Manavalan Rajesh Kumar, Ramasamy Tamilselvi, Pachagounder Sakhivel	Electrochemical determination of harmful catechol and rapid decolorization of textile dyes using ceria and tin doped ZnO nanoparticles	October 2021 Vol: 5	Journal of Environmental Chemical Engineering	7.96	WoS/ Scopus
306	Narthana Kandhasamy	Centre for nanoscience and nanotechnology	Gopal Ramalingam, Manavalan Rajesh Kumar, Gunasekaran Manibalan	Copper and Zinc Oxide anchored Silica Microsphere: A Superior Pseudocapacitive Positive electrode for Aqueous Supercapacitor applications	December 2021 Vol: 5	Journal of Alloys and Compounds	6.37	WoS/ Scopus
307	Periyannan Kaleeswaran	Centre for nanoscience and nanotechnology	Murugesan Praveen Kumar, Ramalinga Viswanathan Mangalaraja, Unalome Wetwatana Hartley, Moorthy Sasikumar, Rajasudha Venugopalan, Manavalan Rajesh Kumar, Jothi Ramalingam Rajabathar, Shaik Gouse Peera and	FeTiO <sub>3</sub> Perovskite Nanoparticles for Efficient Electrochemical Water Splitting	August, 2021 Vol: 11	Catalysts	4.5	WoS/ Scopus
308	K. Thiruppathi	Centre for nanoscience and nanotechnology	M. Rajesh Kumar, A. Kathalingam, J. Pappannan, R. Jothi Ramalingam, Hamad Al-Lohedan	Tuning visible emission of core-shell nanostructure by exchange the inner and outer layer	November, 2021 Vol: 18	Chalcogenide Letters	0.85	WoS

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309	G. Murugadoss	Centre for nanoscience and nanotechnology	M. Rajesh Kumar, R. Jothi Ramalingam, Hamad Al-Lohedan , A. Ramesh Babu , A. Kathalingam, Ahmed M. Tawfeek	Synthesis and study on optical properties of CeO <sub>2</sub> -Mg(OH) <sub>2</sub> and inverted Mg(OH) <sub>2</sub> -CeO <sub>2</sub> nanocomposites	December, 2021 Vol: 16	Digest Journal of Nanomaterials and Biostructures	0.89	WoS
310	Gunasekaran Manibalan	Centre for nanoscience and nanotechnology	Subhenjit Hazra, Rajendiran Marimuthu, Chitrarasu Manikandan, Rajabathar Jothi Ramalingam, Manavalan Rajesh Kumar	A facile synthesis of Sn-doped CeO <sub>2</sub> nanoparticles: High performance electrochemical nitrite sensing application	January, 2022 Vol: 135	Inorganic Chemistry Communications	3.42	WoS/ Scopus
311	G. Murugadoss	Centre for nanoscience and nanotechnology	M. R. Kumar, A. Kathalingam, J. R. Rajabathar, H. Al-Lohedan, D. M. Al-Dhayan	Facile synthesis of heterostructure CeO <sub>2</sub> /CdS and CdS/CeO <sub>2</sub> nanocomposites for photocatalytic application of methylene blue textile dye	December, 2021 Vol:17	Journal of Ovonic Research	0.89	WoS
312	G. Murugadoss	Centre for nanoscience and nanotechnology	Kumar, M.R., Kathalingam, A., Jothiramalingam, R., Al-Lohedan, H. and Al-Dhayan, D.M	Tin sulfide-based nanocomposite: synthesis and study of structural, morphological and optical properties	January, 2022 Vol:18	Journal of Ovonic Research	0.89	WoS

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313	G. Murugadoss	Centre for nanoscience and nanotechnology	Kumar, M.R., Kathalingam, A., Jothiramalingam, R., Al-Lohedan, H. and Al-Dhayan,	Structural, morphological, optical and electrochemical characterization of Ag <sub>2</sub> O/ZnO and ZnO/Ag <sub>2</sub> O nanocomposites	March, 2022Vol:18	Journal of Ovonic Research	0.89	WoS
314	G. Ramalingam	Centre for nanoscience and nanotechnology	Maria Magdalane, B. Arjun Kumar, R. Yuvakkumar, G. Ravi, A. Irudaya Jothi d, Naresh Kumar Rotte, G. Murugadoss, Antony Ananth	Enhanced visible light-driven photocatalytic performance of Cd Senanorods	January, 2022Vol:203	Environmental Research	8.43	WoS/ Scopus
315	Govindhasamy Murugadoss	Centre for nanoscience and nanotechnology	Kannappan Thiruppathi, Nachimuthu Venkatesh, Subhenjit Hazra, Amirthalingam Mohankumar, Govindhan Thiruppathi, Manavalan Rajesh Kumar, Palanisamy Sundararaj, Jothi Ramalingam Rajabathar, Pachagounder Sakthivel	Construction of novel quaternary nanocomposite and its synergistic effect towards superior photocatalytic and antibacterial application,	February, 2022Vol:10	Journal of Environmental Chemical Engineering	7.96	WoS/ Scopus

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316	Govindhasamy Murugadoss	Centre for nanoscience and nanotechnology	Narthana Kandhasamy, Manavalan Rajesh Kumar, Abdullah K Alanazi, Firoz Khan, Billel Salhi, Hemraj M Yadav	Role of the dopant (silver) inclusion on before and after core metal-oxide reaction: Application on textile dyes removal	March, 2022 Vol:13 7	Inorganic Chemistry Communications	3.42	WoS/ Scopus
317	Surendra K. Shinde	Centre for nanoscience and nanotechnology	Dae-Young Kim, Manu Kumar, Govindhasamy Murugadoss, Sivalingam Ramesh, Asiya M. Tamboli,	MOFs-Graphene Composites Synthesis and Application for Electrochemical Supercapacitor: A Review	March, 2022 Vol:14	Polymers	4.96	WoS/ Scopus
318	Gunasekaran Manibalan	Centre for nanoscience and nanotechnology	Rajendiran Marimuthu, Jothi Ramalingam Manavalan Rajesh Kumar	Facile synthesis of heterostructure NiO-SnO <sub>2</sub> nanocomposite for selective electrochemical determination of L-cysteine	February, 2022 Vol:33	Journal of Materials Science: Materials in Electronics	2.77	WoS/ Scopus
319	K. Geetha	Centre for nanoscience and nanotechnology	D. Sivasangari, Hyun-Seok Kim, G. Murugadoss,	Electrospun nanofibrous ZnO/PVA/PVP composite films for efficient antimicrobial face masks	February, 2022 Vol:33	Ceramic International	5.53	WoS/ Scopus



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320	Govindhasamy Murugadoss	Centre for nanoscience and nanotechnology	Gunasekaran Manibalan, Subhenjit Hazra, Manavalan Rajesh Kumar, Jothi Ramalingam Rajabathar, Hemraj M Yadav	Electrochemical determination of hydrazine using facilely synthesized Sn-decorated $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles modified electrode	February, 2022 Vol:33	Journal of Materials Science: Materials in Electronics	2.77	WoS/ Scopus
321	Saravanan Krishna	Centre for nanoscience and nanotechnology	Sundaram, Selladurai Subramanian, Vengatesh Panneerselvam, Shyju Thankaraj Salammal	Temperature - dependent phase transition of CuZnS thin films and its effects on morphological, optical and electrical properties,	Volume 733, 1 September 2021, 138810,	Thin Solid Films	2.183	WoS/ Scopus
322	Karthikkumar Chinnakutti	Centre for nanoscience and nanotechnology, and Centre of Excellence for energy research	Lokanath Patra, Vengatesh Panneerselvam, Durai Govindarajan, Soorathep Kheawhom, Jayaraman Theerthagiri, Yiseul Yu, Myong Yong Choi	Lithium inserted ZnSnN <sub>2</sub> thin films for solar absorber: n to p-type Conversion	Volume 25, September 2022, 100957	Materials Today Chemistry	7.613	WoS/ Scopus

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323	D. Dinesh Kumar	Centre for Nanoscience and Nanotechnology, and Centre of Excellence for Energy Research	Subhenjit Hazra, Kalpataru Panda, Parasuram Kuppusami, Tanja Stimpel-Lindner, and Georg S. Duesberg	Probing the Impact of Tribolayers on Enhanced Wear Resistance Behavior of Carbon-Rich Molybdenum-Based Coatings	Date: 29/05/2022 Vol: 14 Issue: 22 Pages: 26148 - 26161	ACS Applied Materials & Interfaces	10.38	WoS/ Scopus
324	Rajeshwari A	Centre of Excellence for Energy Research	Rajeshwari A, Johnson Jeyakumar S, Jothiba M, S. Ajith Kumar	CoGd <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> (0.0 ≤ x ≤ 0.8) Nano ferrites: Effect of Gd <sup>3+</sup> ions on Structural, Optical, Magnetic, and Dielectric Properties	30 <sup>th</sup> January 2022, 33, 5953–5969	Journal of Materials Science: Materials in Electronics	2.77	WoS
325	A.M. Kamalan Kirubaharan	Centre of Excellence for Energy Research	A. M. Kamalan Kirubaharan, P. Kuppusami, Chanchal Ghosh, R. Priya, S. Ningshen, D. Dinesh Kumar, R. Divakar	Metal-ceramic diffusion barrier nanocomposite coatings on nickel based super alloys for corrosion and high temperature oxidation resistance	Date: 20/06/2022(I n-Press)	Ceramics International	5.532	WoS/ Scopus
326	T. Dharini	Centre of Excellence for Energy Research	D. Dinesh Kumar, A. M Kamalan Kirubaharan, S. Ajith Kumar	Inter-diffusion Effects and Tribological Behaviour of Electron Beam Evaporated Ni-YSZ Nanocomposite Coatings Subjected to Diffusion Annealing with Borosilicate Glass for Nuclear Applications I	Accepted Jan 20, 2022, 13319-13330	Ceramic international	5.53	WoS/ Scopus

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327	S. Anandh Jesuraj,	Centre of Excellence for Energy Research	Ch. Jagadeeswara Rao	Evaluation of Microstructure and Coating Integrity of EB-PVD Deposited Bi-layers of 7YSZ/Gd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> and 7YSZ/Y <sub>2</sub> O <sub>3</sub> -Gd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> Top Coats on Bond Coated Super alloys	Volume 440, 25 June 2022	Surface and Coatings Technology	4.9	WoS/ Scopus
328	B. Vigneshwaran	Centre of Excellence for Energy Research	S. Ajith Kumar	Structural and Optical Properties of Pulsed Laser Deposited Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> Thin Films on Different Single Crystalline Substrates	Volume 148, 19 May, 2022	Materials Science in Semiconduct or Processing	4.64	WoS/ Scopus
329	Durai Govinadarajan	Centre of Excellence for Energy Research	Arulmani S, Anandan S, Soorathep Kheawhom	10. Microstructural and electrochemical super capacitive properties of Cr-doped CuO thin films: Effect of substrate temperature.	22-Jul-21	International Journal Of Energy	4.67	WoS/ Scopus
330	Karthik Alagarsamy, SRF	Centre for Nanoscience and Nanotechnology	Gobi Saravanan Kaliaraj, K.Viswanathan, R.Sathiskumar	Investigating biological impact of HAp from goat femur reinforced with Zr-Ag for bone tissue engineering application, Society	21-Mar-22	Journal of the Korean Ceramic Society	2.506	WoS
331	Patrick Brice Defo Deeh	Centre for Nanoscience and Nanotechnology	Madankumar Arumugam, Karthik Alagarsamy, Gayathri Karanam, Nagabhishek Sirpu Natesh, Pierre Watcho	Phyllanthus muellerianus and Ficus exasperata exhibit anti-proliferative and pro-apoptotic activities in human prostate cancer PC-3 cells by modulating calcium influx and activating caspases	24 March 2022,77, 1981–1994, 2022	Biologia	1.653	WoS

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332	Pranjal Bharali	Centre for Nanoscience and Nanotechnology	Yasir Bashir, Anggana Ray, Nipu Dutta, Pronab Mudoi, Alemtoshi, Vipre Sorhie, Palash Deb Nath, Bolin Kumar Konwar	Bioprospecting of indigenous surfactant-producing oleophilic bacteria for green remediation: An eco-sustainable approach for the management of petroleum contaminated soil	9 December, 2021,12, 13, 2022	3Biotech (BITC)	2.83	WoS
333	Suraiya Saleem DBT-RA	Centre for Nanoscience and Nanotechnology	Suraiya Saleem	Zebrafish: A Promising Real-Time Model System for Nanotechnology-Mediated Neurospecific Drug Delivery	23rd August, 2021	Springer Nanosclae Research Letters	5.418	WoS/ Scopus
334	Nandhagopal Soundharapandiyan	Centre for Nanoscience and Nanotechnology	Nandhagopal Soundharapandiyan, Subramoniam Thanumalayaperumal , Rajesh Kannan Rajaretinam	Real-time imaging and developmental biochemistry analysis during embryogenesis of Caridina pseudogracilirostris	Mar-22	Journal of Experimental Zoology Part A: Ecological and Integrative Physiology	2.69	WoS/ Scopus
335	Gayathri Karanam	Centre for Nanoscience and Nanotechnology		Potential anticancer effects of cyclo(-Pro-Tyr) against N-diethyl nitrosamine induced hepatocellular carcinoma in mouse through PI3K/AKT signalling	February 2022 /37/2	Environmental Toxicology	4.109	WoS

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336	Prathiba Gnanasekaran	Centre for Nanoscience and Nanotechnology	Anitha Roy, Nagabhishek SirpuNatesh, Varshini Raman, Priyanka Ganapathy	Removal of microbial pathogens and anticancer activity of synthesized nano-thymoquinone from Nigella sativa seeds	November 2021/ Volume 24, 102068	Environmental Technology & Innovation	7.758	WoS
337	Seung Jun Lee	Centre for Nanoscience and Nanotechnology	Jayaraman Theerthagiria Palaniyandy Nithyadharseni Prabhakarn Arunachalam Dhandapani Balaji Arumugam Madan Kumar Jagannathan Madhavand Vikas Mittal	Heteroatom-doped graphene-based materials for sustainable energy applications: A review	Vol 143, June 2021	Renewable and Sustainable Energy Reviews	16.799	WoS
338	Reethu Vivekanandam, PG Student	Centre for Nanoscience and Nanotechnology	Kamarajan Rajagopalan, Madesh Jeevananda, Harsha Ganesan, Vaishnavi Jagannathan, Jackson Durairaj Selvan Christyraj, Kalishwaralal Kalimuthu, Johnson Retnaraj Samuel Selvan Christyraj, Manikandan Mohan	Designing of cytotoxic T lymphocyte-based multi-epitope vaccine against SARS-CoV2: a reverse vaccinology approach	25 Oct 2021, Epub13:1-6	Journal of Biomolecular Structure and Dynamics	5.235	WoS/ Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
339	Kalishwaralal Kalimuthu	Centre for Nanoscience and Nanotechnology	Chenicheri K Keerthana, Manikandan Mohan, Jaison Arivalagan, Johnson Retnaraj Samuel Selvan Christyraj, Michael A Firer, Mohammad Haroon Asif Choudry, Ruby John Anto	The emerging role of selenium metabolic pathways in cancer: New therapeutic targets for cancer	21 December 2021, 123 (3), 532-542	Journal of Cellular Biochemistry	4.48	WoS/ Scopus
340	Ramakrishnan Muthusamy	Centre for Nanoscience and Nanotechnology	Jaison Arivalagan, Lakkakula Satish, Manikandan Mohan, Johnson Retnaraj Samuel Selvan Christyraj, Sam Aldrin Chandran, Ho-Jong Ju, Thiyagarajan Ramesh, Savarimuthu Ignacimuthu	Selenium's role in ferroptosis and biomass production	30-June 2022/ EpubVolume 306,2022	Chemosphere	8.943	WoS/ Scopus

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341	Kalishwaralal Kalimuthu	Centre for Nanoscience and Nanotechnology	Jaison Arivalagan, Manikandan Mohan, Johnson Retnaraj Samuel Selvan Christyraj, Jesu Arockiaraj, Ramakrishnan Muthusamy	Point of care diagnosis of plant virus: Current trends and prospects	16-Nov-2021, Volume 61, 101779	Molecular and Cellular Probes	3.285	WoS/ Scopus
342	SC Karthikeyan, Young Scientist	Centre for Nanoscience and Nanotechnology	R Kamarajan, Y Beryl Vedha, V Saravanakumar, M Manikandan, CV Niranjan, S Johnson Retnaraj Samuel	Alternative to FBS in animal cell culture- An overview and future perspective	28-07-2022/ 28;7(8):e076 86	Heliyon	3.77	WoS/ Scopus
343	Sayan Paul, JRF	Centre for Nanoscience and Nanotechnology	B Subburathinam, A Arun, L Saranya, S Sandhya, V Vijithkumar, S Jackson Durairaj, A Vaithilingaraja	Importance of clitellar tissue in the regeneration ability of earthworm Eudriluseugeniae	Epub 2022 Apr 13/ 22(4):1-32.	Functional and integrative genomics	3.67	WoS/ Scopus
344	Carlton Ranjith Wilson Alphonse (Scientific Assistant)	Centre for Nanoscience and Nanotechnology	Rajaretinam Rajesh Kannan, Nagasundaram Nagarajan	PITRM1 interaction studies with amyloidogenic nonapeptide mutants of familial Alzheimer's disease	24-Jun-22	Journal of Biomolecular Structure and Dynamics	5.235	WoS/ Scopus



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345	B. Haridevamuthu,(Student	Centre for Nanoscience and Nanotechnology	Tamilvelan Manjunathan, Ajay Guru, Carlton Ranjith Wilson Alphonse, Seenivasan Boopathi, Raghul Murugan, Mansour K. Gatasheh,Ashraf Atef Hatamleh, Annie Juliet,Pushparathina m Gopinath, Jesu Arockiaraj	Amelioration of acrylamide induced neurotoxicity by benzo[b]thiophene analogs via glutathione redox dynamics in zebrafish larvae	10-May-22	Brain Research	3.61	WoS/ Scopus
346	R. P.Rajesh	Centre for Nanoscience and Nanotechnology	Carlton Ranjith Wilson Alphonse Murphy Das	Mass spectrometry based de-novo sequencing of Carpenter bee venom and their In-silico 3-D structure determination and functional analysis	March 2022, 116	International Journal of Infectious Diseases	12.074	WoS/ Scopus
347	Dr. Kunal Biswas, Scientist C	Centre for Nanoscience and Nanotechnology	Awdhesh Kumar Mishra, Pradipta Ranjan Rauta , Abdullah G. Al-Sehemi, Mehboobali Pannipara, Avik Sett, Amra Bratovic, Satya Kumar Avula, Tapan Kumar Mohanta,Muthupandian Saravanan, Yugal Kishore Mohanta	Exploring the Bioactive Potentials of C60-AgNPs Nano-Composites against Malignancies and Microbial Infections	10 Jan, 2022 23, 2 p.714	International Journal of Molecular Sciences	6.208	WoS

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348	Dr Kunal Biswas, Scientist C (#Equal contributor (First author),)	Centre for Nanoscience and Nanotechnology	Saurov Mahanta, Tufan Naiya, Liza Changkakoti, Yugal Kishore Mohanta, Bhaben Tanti, Awdhesh Kumar Mishra, Tapan Kumar Mohanta, Nanaocha Sharma	Plant Source Derived Compound Exhibited In Silico Inhibition of Membrane Glycoprotein In SARS-CoV-2: Paving the Way to Discover a New Class of Compound For Treatment of COVID-19	07 April, 2022 Vol :13 Issue: 805344	Frontiers in Pharmacology	5.988	WoS
349	Ranjita Misra, Scientist-C	Centre for Nanoscience and Nanotechnology	Dr. Sarbari Acharya	Hypoxia responsive phytonanotherapy: A novel paradigm towards fighting cancer	2022 Jun;42	Nanomedicine	6.4	WoS/ Scopus
350	Ranjita Misra, Scientist-C	Centre for Nanoscience and Nanotechnology	Sushmita Nehru, Dr. Maharshi Bhaswant	Multifaceted Engineered Biomimetic Nanorobots Toward Cancer Management	2022 Feb 14;8(2)	ACS Biomaterials Science & Engineering	5.3	WoS/ Scopus
351	Parthiban A, Postdoc	Centre for Nanoscience and Nanotechnology	Parthiban A, Sachithanandam V, Lalitha P, Muthukumar J, Misra R, Jain M, Sridhar R, Mageswaran T, Purvaja R, Ramesh R	Isolation, characterisation, anticancer and anti-oxidant activities of 2-methoxy mucic acid from <i>Rhizophora apiculata</i> : an in vitro and in silico studies.	2021 Dec 29	Journal of Biomolecular Structure and Dynamics	5.2	WoS/ Scopus

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352	Subha Krishna Rao	Centre for nanoscience and nanotechnology, IRC	Subha Krishna Rao, A. Kalai priya, S. Manjunath Kamath, E. Meher Abhinav, B. Renganathan, K. Jeyadheepan, C. Gopalakrishnan	Unravelling the potential of Gd doping on mullite Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> for fiber optic ethanol gas detection at room temperature	Volume 278	Materials Chemistry and Physics	4.778	WoS/ Scopus
353	Gobi Saravanan Kaliaraj	Centre for Nanoscience and Nanotechnology	Gobi Saravanan Kaliaraj, T. Siva and Ananthakumar Ramadoss	Surface functionalized bioceramics coated on metallic implants for biomedical and anticorrosion performance – a review	19-Oct-21	Journal of Material Chemistry B	7.571	WoS
354	Ananthakumar Ramadoss	Centre for Nanoscience and Nanotechnology	Nilimapriyadarsini Swain, Gobi Saravanan, Sohaila Z. Noby, K. Kirubavathi, Lukas Schmidt-Mende, K. Selvaraju	Titanium oxynitride coated graphite paper electrodes for light-weight super capacitors	18-Jan-22	Journal of Materials Science: Materials in Electronics	2.779	WoS
355	Dr.M. Rajasekar	Centre for Nanoscience and Nanotechnology	Nil	Spirobifluorene derivatives and their biomaterial applications: Current Trends	22/01/2022, 1255, 5	Journal of Molecular Structure	3.84	Scopus
356	Dr.M. Rajasekar Scientist-C	Centre for Nanoscience and Nanotechnology	Manivannan Lavanya	Gel scaffolds and emerging applications in biomedicine	26-05-2022	RSC Advances	4.03	Scopus

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357	Balachandar Vijayakumar	Centre for Nanoscience and Nanotechnology	Balachandar Vijayakumar, Masanobu Takatsuka, Rio Kita, Naoki Shinyashiki, Shin Yagihara	Dynamics of the Poly(N-Isopropylacrylamide) Microgel Aqueous Suspension Investigated by Dielectric Relaxation Spectroscopy	Feb-22	Macromolecules	6.057	WoS
358	Durgalakshmi Dhinasekaran	Centre for Nanoscience and Nanotechnology	Durgalakshmi Dhinasekaran Gobi Saravanan Kaliaraj Mohanraj Jagannathan Ajay Rakkesh Rajendran Aruna Prakasarao Singaravelu Ganesan Balakumar Subramanian	Pulsed laser deposition of nanostructured bioactive glass and hydroxyapatite coatings: Microstructural and electrochemical characterization	0928-4931	Materials Science and Engineering: C	8.4	WoS
359	Ananthakumar Ramadoss	Centre for Nanoscience and Nanotechnology	Ananthakumar Ramadoss, Ankita Mohanty, K. Gobi Saravanan, Manab Kundu, Sohaila Z. Noby, K. Kirubavathi, K. Selvaraju, Lukas Schmidt Mende	Construction of light-weight and flexible vanadium nitride coated graphite paper electrodes for supercapacitors	March 2022 May 2022	Ionics	2.961	WoS
360	Palanisamy	Centre for Nanoscience and Nanotechnology	Nora Hamad Al-Shaalan, Bhuvaneshwari, Bharathi, Bharath, Pazhanivel, Sathishkumar, Madan Kumar Arumugam, Khadeer Pash.	An efficient and magnetically recoverable g-C <sub>3</sub> N <sub>4</sub> /ZnS/CoFe <sub>2</sub> O <sub>4</sub> nanocomposite for sustainable photodegradation of organic dye under UV-visible light illumination	October 2021	Environmental Research	8.431	WoS

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361	Jithina Jose	Centre for Nanoscience and Nanotechnology		Estimation of Higher Heating Value for MSW Using DSVM and BSOA	28-Jun-22	Intelligent Automation & Soft Computing	3.4	WoS
362	Kavitha M, Assistant Professor	EEE	V.M.Manickavasagam, T. Sathish, Bhiksha Gugulothu, A. Sathish Kumar, Sivakumar Karthikeyan, Ram Subbiah	Parameters optimization of dissimilar friction stir welding for AA7079 and AA8050 through RSM	Volume 2021, Article ID 9723699, 8 pages	Advances in Materials Science and Engineering	2.098	WoS
363	Dr.A. Murugan, AP	EEE	V.Ramakrishann	Enhancement of Voltage Profile and Generation of Cost Function by Hybrid Power Flow Controller using Genetic Algorithm	07-Feb-22	Applied Nanoscience (Switzerland)	3.869	WoS
364	Dominic Savio Abraham	EEE	Rajesh Verma, Lakshmikhandan Kanagaraj, Sundar Rajan G iri Thulasi Raman, Narayanamoorthi Rajamanickam, Bharatiraja Chokkalingam, Kamalesh Marimuthu Sekar, Lucian Mihet-Popa,	Electric Vehicles Charging Stations' Architectures, Criteria, Power Converters, and Control Strategies in Microgrids	06.08.2021	Electronics 2021	2.69	WoS

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365	C. T. Manikandan	EEE	G. T. Sundarrajan, V. Gokula Krishnan, Isaac Ofori	Performance Analysis of Two-Loop Interleaved Boost Converter Fed PMDC-Motor System Using FLC	01.08.2022	Hindawi Mathematical Problems in Engineering	1.4	WoS
366	Bharathi.M. L, Associate Professor	EEE	Manoj Mathew, Alphonse mary kinol, Balasubramanian vedagiri, Suumaran Bhagavathi Perumal, Chandrasekaran Sowmya Dhanalakshmi	An integrated CRITIC-TOPSIS- and Entropy-TOPSIS-based informative weighting and ranking approach for evaluating green energy sources and its experimental analysis on pyrolysis	20 th April 2022	Environmental Science and Pollution Research	4.223	WoS
367	Bharathi.M. L, Associate Professor	EEE	Adarsh Rag, L. Chitra, R. Mohammed Ashick, Vikas Tripathi, Srinivasan Suresh Kumar, Sami Al Obaid, Saleh Alfarraj, Mohanraj Murugesan	Investigation on Wear Characteristics of AZ91D/Nanoalumina Composites	18 Feb 2022 Volume 2022	Journal of Nanomaterials	3.791	WoS
368	Mali Satya Naga Krishna konijeti	EEE	Bharathi.M.L	Extraction of maximum power from solar with BLDC motor driven electric vehicles based HHO algorithm	16-May-22	Advances in Engineering Software	4.141	WoS

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369	Dr.S. Ramesh	EEE	Dr.Murugan	Optimization of Energy and Security in Mobile Sensor Network Using Classification Based Signal Processing in Heterogeneous Network	17.08.2021	Journal of Signal Processing Systems	1.813	WoS/ Scopus
370	V. Senthil Nayagam	EEE	Anamika, D. Gopinath, K. Vetri Velmurugan, Rani Fathima,	Liquid Crystal Display (LCD) and Organic Light Emitting Diode	26-Nov-21	Advances in Materials Science and Engineering	2.098	WoS
371	V. Senthil Nayagam	EEE	S. Sanal Kumar, V. Thiyagarajan, Neel Kamal, N. Nisha,	A Novel Optimization Algorithm for Modifying the Parameter Unit of Solar PV Cell	15-Apr-22	International Journal of Photoenergy	2.535	WoS
372	V. Senthil Nayagam	EEE	A. P. Jyothi, P. Abirami, J. Femila Roseline, M. Sudhakar, Essam A. Al-Ammar, Saikh Mohammad Wabaidur, N. Hoda	Deep Learning Model on Energy Management in Grid-Connected Solar Systems	31-May-22	International Journal of Photoenergy	2.535	WoS
373	Sana Ben Khalifa ,	EEE	Saleh Chebaane , V. Senthil Nayagam Saravana Veni , M.	Periodic and nonperiodic amplifications of attosecond solitons in an inhomogeneous lossy optical fiber	Volume 252, February 2022, 168498	Optik	2.84	WoS
374	Dr.S. Jayaprakash, Associate Professor	EEE		3-Phase multi-inverter with cascaded H-bridge inverter designing and implementation for renewable system	1/4/2022,52 (2022) 102088	Sustainable Energy Technologies and Assessments	7.632	WoS



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375	Dr. S. Jayaprakash & Associate Professor	EEE	S. Siva Chandran, T. Sathish , Bhiksha Gugulothu, R. Ramesh ,M. Sudhakar, Ram Subbiah	Effect of Tool Profile Influence in Dissimilar Friction Stir Welding of Aluminium Alloys (AA5083 and AA7068)	7/2021/Volume 2021, Article ID 7387296,	HindawiAdvances in Materials Science and Engineering	2.098	WoS
376	Abroad university	EEE	V.Meenakshi (CoA)	Machine learning based predictive modelling of micro gas turbine engine fuelled with microalgae blends on using LSTM networks: An experimental approach	April 2022, Volume 322,124183	Fuel	8.035	WoS
377	S. Radhika	EEE	Albu, F	Proportionate Maximum Versoria Criterion-Based Adaptive Algorithm for Sparse System Identification	26 October 2021 (Online) Volume: 69, Issue: 3, March 2022	IEEE Transactions on Circuits and Systems II: Express Briefs	3.691	WoS/ Scopus
378	Lilly Raamesh	EEE	S. Jothi, S. Radhika	Test case minimization and prioritization for regression testing using SBLA-based adaboost convolutional neural network	6 <sup>th</sup> June 2022	The Journal of Supercomputing	2.557	WoS/ Scopus
379	Lilly Raamesh	EEE	S. Radhika	Generating Optimal Test Case Generation Using Shuffled Shepherd Flamingo Search Model	30 <sup>th</sup> June 2022	Neural Processing Letters	2.565	WoS/ Scopus

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380	Lilly Raamesh	EEE	S. Jothi	Enhancing Software Reliability and Fault Detection Using Hybrid Brainstorm Optimization-Based LSTM Model	16 <sup>th</sup> June 2022		1.877	WoS/ Scopus
381	S D Sundarsingh Jebaseelan, Associate Professor	EEE	N.B. Muthu Selvan, C. Kumar, A. Kalaimurugan, A. Srujana, C.N. Ravi	Solving constrained economic electrical energy generation and CO2 emission dispatch using hybrid algorithm	06.10.2021 /24	Environmental Technology and Innovation	7.758	WoS/ Scopus
382	Kumar Chandrasekaran, Associate Professor	EEE	Jasper John Sahayam	Performance of Multifunctional Smart PV-Based Domestic Distributed Generator in Dual-Mode Operation	15.12.2021/ 9	Machines - MPDI	2.899	WoS/ Scopus
383	Manoharan Premkuma, Associate Professor	EEE	Pradeep Jangir, Chandrasekaran Kumar, Somasundaram David Thanasingh Sundarsingh Jebaseelan, Hassan HaesAlhelou	Constraint estimation in three-diode solar photovoltaic model using Gaussian and Cauchy mutation-based hunger games search	04.04.2022	IET Renewable Power Generation,	3.034	WoS/ Scopus
384	Dr.D.Godwin Immanuel	EEE	A.Santhi Mary, D. Godwin Immanuel	Implementation of self-regulating controller for integrating DFIG-based grid system with load interruption	09-07-2021	Environment, Development and Sustainability	4.08	WoS

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385	Dr.D.Godwin Immanuel	EEE	A.Santhi Mary, D. Godwin Immanuel	An enhancement approach of Reboost converter for unification of disparate WECS with the utility grid system	Nov-21	Environmental Technology & Innovation	7.758	WoS
386	Dr.D.Godwin Immanuel	EEE	Ravi Kiran Dasari, D. Godwin Immanuel	A novel cluster switched inductor-based high step-up hybrid DC–DC converter	24/11/2021	Electrical Engineering	1.63	WoS
387	Dr.D.Godwin Immanuel	EEE	J. Annrose	A Cloud-Based Platform for Soybean Plant Disease Classification Using Archimedes Optimization Based Hybrid Deep Learning Model	09-01-2021	Wireless Personal Communications	2.017	WoS
388	Dr.D.Godwin Immanuel	EEE	Kinol. A. Mary Joy, Marshiana Devaerakkam, D.Godwin Immanuel, Krishnamoorthy Narasu Raghavan, Grace Kanmani Prince, Kassu Negash	Design and Fabrication of Biodegradable Antenna Using Jute Material for UWB Application	03-04-2022	Advances in Material Science and Engineering	2.098	WoS
389	Nookala Venu	EEE	J.Barnabas Paul Gladly	Execution of Multitarget Node Selection Scheme for Target Position Alteration Monitoring in MANET	08-Jun-22	wireless communications and mobile computing	2.1	WoS

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390	S.Sathish Kumar	EEE	S. Sivarajeswari, D. Ramya, T. Subburaj, Martin Sankoh	Performance Enhancement of a Three Phase Boost-Cascaded Fifteen Level Inverter Using the PI Controller	19,May 2022	Mathematical problems In Engineering	1.4	WoS
391	Harinder singh	EEE	Harinder Singh, D. Ramya R. Saravanakumar, Nayani Sateesh, Rohit Anand, Swarnjit Singh, S.Neelakandan	Artificial intelligence based quality of transmission predictive model for cognitive optical networks	Volume 257, May2022	International Journal of light and electron optics	2.24	WoS
392	R. Gopi	E.E.E	R. Gopi1, S. Veena, S. Balasubramanian, D. Ramya, P. Ilanchezhian, A. Harshavardhan, Zatin Gupta	IoT Based Disease Prediction Using Mapreduce and LSQN3 Techniques	IASC, 2022, vol.34, no.2	Intelligent Automation & Soft Computing	3.401	
393	E.Logashan mugam,Professor	ECE	R. Sreelakshmy, Anita Titus, N. Sasirekha, R. Benazir Begam,G. Ramkumar	An Automated Deep Learning Model for the Cerebellum Segmentation from Fetal Brain Images	16 Jun 2022,2022	BioMed Research International	3.246	SCI/ WoS
394	A. Anbarasi, Research Scholar	ECE	T.Ravi ECE, Sathyabama	Detection and classification of arrhythmia type using hybrid model of LSTM with convolutional neural network	09 March 2022,	Applied Nanoscience	3.869	WoS

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395	S.AgnesShifani, Research Scholar	ECE	Nil	Accurate Measurement of Strain in Noncontact Surface Deformation Using Subset-Based Digital Image Correlation	24 Nov 2021, Vol.2021	Contrast Media and Molecular Imaging	3.009	WoS& Scopus
396	L.Magthelin Therase, Assistant Professor	ECE	T.Jayanthi	A novel microstrip antenna using circular ring defected ground structure for X band applications	Vol.183,Oct 2021	Measurement	5.1312	WoS
397	K.T.Ilayarajaa, Assistant Professor	ECE	Dr.E. Logashanmugam	Embedded mobile computational framework for multidimensional diabetic retinopathy extraction and detection technique using recursive neural network approach for Unstructured tomography datasets	0(0)	Concurrent Engineering Research and Applications	2.118	Wos
398	Siva C	ECE	MounirGaidi, Kais Daoudi and Mathan N/ECE	Solution combustion synthesis of iron tungstate nanoparticles for photoelectrochemical water splitting towards oxygen evolution	13.10.2021, 33/12	Journal of Materials Science: Materials in Electronics	2.77	WoS& Scopus
399	Jegan. G, Associate Professor	ECE	Florence Silvia, M., Vино, T., VimalaJuliet.A	Design and Analysis of DGS Based Miniaturized Compound Reconfigurable Asymmetrical Micro Strip Fractal Array Antenna for L, S and C Band Applications	02 March 2022/Volume 125, pages453–466 (2022)	Wireless Personal Communications	2.017	WoS

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400	Jegan.G, Associate Professor	ECE	Ramani, P., Nagalakshmi, T.J., Chitra, S., Lawrence, T.S	A Novel Approach on the Advancement in Polymer Phase Change Material in Solar Energy	10 January 2022/Volume 2022   Article ID 3519517	International Journal of Photoenergy	2.535	WoS
401	S. Chitra, Professor	ECE	S. Ramesh , Ramya Vijay , G. Jegan , and T. Samraj Lawrence	Joint CFO and channel estimation using pilot aided interpolation for high performance MIMO-OFDM	Published online: 27 Jun 2022	International Journal Of Electronics	1.457	WoS
402	V. Vedanarayanan, Associate Prof	ECE	B. S. Praveen Kumar, M. S. Karuna, A. Jayanthi, K. V. Pradeep Kumar, A. Radha, G. Ramkumar, David Christopher	Experimental Investigation on Mechanical Behavior of Kevlar and Ramie Fiber Reinforced Epoxy Composites	Published on 2 nd February 2022, Volume 2022, Article ID 8802222	Journal of Nanomaterials	3.791	WoS/ Scopus
403	V. Vedanarayanan, Associate Prof	ECE	ChiragVibhakar, A. Sujaatha, Jiten K. Chavda, M. Karthik, P. V. Pramila, Ishwarya Komalnu Raghavan	Utilization of Sustainable Resources for Promoting Energy Efficiency in Environment Using Smart Technologies	Published 21 February 2022, Volume 2022, Article ID 6711300	International Journal of Photoenergy	2.535	WoS/ Scopus
404	V. Vedanarayanan, Associate Prof	ECE	J. Dilli Srinivasan, K. Arulvendhan, P. Thirusenthil Kumaran, R. Selvakumar, H. S. Asif, M. H. Siddique, Jifara Chimdi	Synthesis of Modified Phase-Changing Material with Latent Heat and Thermal Conductivity to Store Solar Energy Using a Carbon Nanotube	Published 11 April 2022, Volume 2022, Article ID 3412817	International Journal of Photoenergy	2.535	WoS/ Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
405	Shinde, B.E., Research Scholar	ECE	-	Integrated LTE and Wi-Fi Network Architecture with Authentication of User Equipment for Dropping off the Surplus Load of LTE	11 March 2022, 125	Wireless Personal Communications	2.017	SCI
406	Vjeyaramya, Research Scholar, panimalar Institute Of Science And Technology	Ece	-	Acute Myelogenous Leukemia Detection Using Optimal Neural Network Based On Fractional Black-Widow Model	15th July 2021/ Issue Feb2022, 16(1), Pp. 229–238	Signal, Image And Video Processing	1.5	WoS/ Scopus
407	Shwetha.M, Research Scholar, Industry	Ece	-	Design And Analysis Of Batteryless Cardiac Pacemaker Through Combining Thermoelectric Generators Along With Dc-Dc Converter	25 October 2021/ 31(12), E13162	International Transactions On Electrical Energy Systems	2.639	WoS/ Scopus
408	Nagarjunatelgagam, Research Scholar, Gitam University	ECE	Nehrukandaswamy	Performance Analysis Of Parallel Concatenation Of Ldpc Coded Siso-Gfdm System For Distinctive Pulse Shaping Filters Using Usrc 2901 Device And Its Application To Wimax	23 August 2021/ Issue Date	Wireless Personal Communications	2.01	WoS/ Scopus
409	Mary Joy Kinol, Assistnt Prof	ECE	A.Sahaya Anselin Nisha, D. Marshiana, N.R. Krishnamoorthy	Hybrid Multi Beamforming and Multi-User Detection Technique for MU MIMO System	online published on 24.01.2022	Wireless Personal Communications	2.017	WoS/ Scopus



Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
410	M. H. Reddy	ECE	D. Sheela, A. S. A. Nisha, S. T. Niba	Circular Fractal Antenna Design with Inscribed Square for Ultra Wide Band Applications	Vol 67, Pages 46–55 (2022 April)	Journal of Communications Technology and Electronics	0.495	WoS/ Scopus
411	Beulah Jackson	ECE	R Saravanakumar, BhuvanewariBalachander, AnandakumarHaldorai, S.Varalakshmi, A. SahayaAnselinNisha	Modified Design Structure of a MetamaterialMicrostrip Patch Array Antenna for RF Energy Optimization	Vol 56 (2022 March) 2, Pp: 209–216	Materiali in tehnologije / Materials and technology	0.638	WoS/ Scopus
412	L. Ashok Kumar, M. R. Ebenezer Jebarani, Associate professor	ECE	V. Gokula Krishnan and Mohd Wazih Ahmad	Multitemporal Change Detection and Irregular Land Shape AreaMeasurement from Multispectral Sensor ImagethroughBSO Algorithm	Volume 2022, Article ID 3090074,13 June 2022	Hindawi Mathematical Problems in Engineering	1.47	WoS
413	Prabu Subramani, Department of ECE, Mahendra Institute of Technology, Namakkal	ECE	Sugadev Mani, Associate Professor Department of ECE,Dineshkumar Ramamurthy, Kings Engineering College	Sustainable Energy Management and Control for VariableLoad Conditions Using Improved Mayfly Optimization	25-May-22	Sustainability, MDPI	3.889	WoS/ Scopus

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
414	Pamarthi, S	ECE		Intelligent privacy preservation protocol in wireless MANET for IoT applications using hybrid crow search-harrishawks optimization	28 May 2022/28(6), pp. 2713–2729	Wireless Networks	2.7	WoS/ Scopus
415	Pamarthi, S	ECE		Adaptive Key Management-Based Cryptographic Algorithm for Privacy Preservation in Wireless Mobile Adhoc Networks for IoT Application	124(1), pp. 349–376	Wireless Personal Communications	2.017	WoS/ Scopus
416	Sundari K.S	ECE		Optimal energy efficient, load aware memory management system on SoC's for industrial automation	Jan-22	Applied Nanoscience (Switzerland)t	3.674	WoS/ Scopus
417	Sundari K.S	ECE		Design energy efficient shared distributed memory management system on SoC's to improve memory performance	Jan-22	Applied Nanoscience (Switzerland)t	3.674	WoS/ Scopus
418	J.C.Jayasudha, Assistant Professor	ECE	Dr.S.Lalithakumari	Weld defect segmentation and feature extraction from the acquired phased array scan images	08-Apr-22	Multimedia Tools and Applications (Springer Nature)	2.577	WoS
419	J.C.Jayasudha, Assistant Professor	ECE	Dr.S.Lalithakumari	Phased Array Ultrasonic Test Signal Enhancement and Classification Using Empirical Wavelet Transform And Deep Convolution Neural Network	22February, 2022	Concurrent Engineering: Research and Applications	2.118	WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
420	Dr.M.Subramoniam, Asso.Prof.	ECE	Luke Mathew	Noninvasive detection of COPD and Lung Cancer through breath analysis using MOS Sensor array based e-nose	27.08.2021 Vol.21 Issue 11	Expert Review of Molecular Diagnostics	5.67	WoS
421	Dr.M.Subramoniam, Asso.Prof.	ECE	Luke Mathew, Yohan Sunny	Prediction of Pulmonary Diseases with Electronic Nose Using SVM and XGBoost	26.07.2021 Vol. 21 Issue 18	IEEE Sensors Journal	4.325	WoS
422	Dr.M.Subramoniam, Asso.Prof.	ECE	Luke Mathew	Discrimination of COPD and lung cancer from controls through breath analysis using a self-developed e-nose	03.08.2021 Vol. 15 Issue 4	Journal of Breath Research	4.538	WoS
423	Dr.M.Subramoniam, Asso.Prof.	ECE	Luke Mathew	Detection of COPD and Lung Cancer with electronic nose using ensemble learning methods	Dec 2021 Vol.523	Clinica Chimica Acta	6.314	WoS
424	Dr.S.Poorna pushpakala, Associate Professor	ECE	Dr.M.Subramoniam, Ms.T.Vijayashree	Restoration of Tanjore Paintings using segmentation and in-painting techniques	March 2022, Article number: 41	Heritage Science	2.8	WoS
425	Poonguzhali S, Assistant Professor	ECE	A Sivasangari, P Ajitha, S Lalithakumari, A Sridevi, Sathish Kumar Danasegaran	Design and performance analysis of smart photonic sensors for industrial applications	May 6, 2022/ VOL 39	Current Applied Physics Elsevier	2.48	SCI/ WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
426	Sheela.S, Research scholar	ECE		An Evaluation of Effectiveness of a Texture Feature based Computerized Diagnostic Model in Classifying the Ovarian Cyst as Benign and Malignant from Static 2D B-Mode Ultrasound Image	16-05-2022	Current Medical Imaging	1.31	WoS/ Scopus
427	S.karthikeyan, Associate professor	ECE	G. Ramkumar ,S. Aravindkumar ,S. Ramesh ,A. Ranjith	A Novel Deep Learning-Based Black Fungus Disease Identification Using Modified Hybrid Learning Methodology	Volume 2022, Article ID 4352730, 11 pages	Contrast Media & Molecular Imaging	3	WoS
428	Tamilselvi M.	ECE	S.karthikeyan,	An ingenious face recognition system based on HRPSM_CNN under unrestrained environmental condition	Vol 61, issue:6	Alexandria Engineering Journal	3.732	WoS
429	J Premalatha, Asst Professor	ECE	Dr.SahayaAnselinNisha	Base Station Energy Management in 5G Networks Using Wide Range Control Optimization	06 June 2022Vol.35/ No.1	Intelligent Automation and Soft Computing	3.401	WoS
430	Dr.G.Sundari, Professor	ECE	V. Sivasankarareddy, Ch. Rami Reddy,Flah Aymen, Edson C. Bortoni	Grid-Based Routing Model for Energy Efficient and Secure Data Transmission in WSN for Smart Building Applications	2021, 11(22)	Applied Sciences	2.838	WoS
431	T. Venkatesh	ECE	Rekha Chakravarthi	HGRP: Optimal Neighborhood Discovery in IOT Applications	27th Oct,2021	Wireless Personal Communications	2.017	WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
432	Ramaswamy Aravind	ECE	Rekha Chakravarthi	Adaptive Optimization For Optimal Mobile Sink Placement In Wireless Sensor Networks	26.8.2021	International Arab Journal of Information Technology (IAJIT)	0.967	Scopus
433	Dr. Khadijah Mohideen,	Dental Sciences	Dr. Thayumanavan B	Malondialdehyde, an Oxidative Stress Marker in Oral Squamous Cell Carcinoma—A Systematic Review and Meta-Analysis	2021, 43, 1019–1035	Current Issues in Molecular Biology	3	WoS/ Scopus
434	A.A.Gupta	Dental Sciences	Gupta AA, Kheur S, Varadarajan S, Rajkumar C, Patil VR	In-vitro analysis on the potential use of dental pulp mesenchymal stem cells on arecoline-induced oral epithelial cells	2022 Feb 23;39(5):77	Medical Oncology	3.7	WoS/ Scopus
435	ArunSundar Mohanasundaram, Assistant Professor	Pharmacy	Shanmugarajan Thukani Sathanantham, Vijay Chinchole, Bhushan Patil, Ravichandiran Velayutham	Fostering a deeper understanding of COVID-19-associated mucormycosis – A commentary on “The mucormycosis infection in the context of global COVID-19 outbreak: A fatal addition to the pandemic spectrum”	14 September 2021; Volume 94	International Journal of Surgery	13.4	WoS

Sl. No	Name of the First Author	Department	Name of other Co-Authors	Title of the Paper	Published date Vol/Issue	Name of the Journal	Impact Factor	Scopus / WoS
436	ArunSundar Mohanasundaram, Assistant Professor	Pharmacy	Shanmugarajan Thukani Sathanantham, Abhijit Kulkarni, Shweta Kulkarni, Vijay Chinchole, Bhushan Patil, RavichandiranVelayutham	An Epidemic of Mucormycosis Coinciding With the COVID-19 Pandemic in India	November 13, 2021; 34/2-3	Asia-Pacific Journal of Public Health	2.27	WoS
437	ArunSundar Mohanasundaram, Assistant Professor	Pharmacy	Shanmugarajan Thukani Sathanantham, Lukas Sveikata, Rakesh Shyam Lalla, Renata Sveikatiene, Ajeet Kaushik, Ravichandiran Velayutham	Aducanumab and adenoviral COVID-19 vaccines: increased cerebral hemorrhage risk?	28 March 2022; 22:4	Expert Review of Neurotherapeutics	4.287	WoS
438	ArunKumar Subramani	Pharmacy	Ramalakshmi Natarajan, Richie R. Bhandare, Afzal B. Shaik	QSAR and Molecular Docking Studies of Pyrimidine–Coumarin–Triazole Conjugates as Prospective Anti-Breast Cancer Agents	11.03.2022 Volume 27Issue 6	Molecules	4.93	Scopus
439	S. Bhuvaneshwari	Pharmacy	V. BalaAkash S. Arunkumar	Quantitative Structure–Activity Relationship Analysis And Validation Of New Dna Gyrase Inhibitors	13.01.2022 Volume 55, Issue 9	Pharmaceutical Chemistry Journal	1.06	Scopus

<b>Sl. No</b>	<b>Name of the First Author</b>	<b>Department</b>	<b>Name of other Co-Authors</b>	<b>Title of the Paper</b>	<b>Published date Vol/Issue</b>	<b>Name of the Journal</b>	<b>Impact Factor</b>	<b>Scopus / WoS</b>
440	Eshanthini.P (Assistant Prfessor)	Civil	Nandhakumar.S Praveenkumar.T.R	Calibration And Validation Of Soil Water Assessment Tool For Poondi Micro Watershed	Feb 2022 Vol.249	Desalination and water treatment	1.273	WoS
441	S. VANITHA, Assistant Professor	Civil	Dr.N.K. Rajan	Infuence Of Pretreated Wastewater And Encapsulated Nanoparticles On Properties Of Green Concrete	03.02.2022	Applied Nanoscience	3.874	WoS



#### 8.4 REVENUE GENERATED FROM CONSULTANCY DURING THE YEAR

Name of the teacher consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
Dr.A.Annam Renita	Production of biogas from foodwaste by indigeneous fabricated biodigester	Meenakshi Associates	50,000
Dr.S.Revathy, Dr.Mary Posoniya	APT Automation Testing	cSoft Technologies	10000
Dr.S.Revathy, Dr.A.Sivasangari	Health Score Mobile Application Updates	cSoft Technologies	105000
Dr.S.Revathy, Dr.R.Subhashini	Extract data from Scanned invoices	cSoft Technologies	10000
Dr Aroul Canessane, Dr Sathyabama, Mr Kamalesh, Dr Mohana Prasad	Cloud-Based Automated Inradius Authenticated Attendance System	Vectra Technosoft Pvt. Ltd	207000
Dr Jabez, Dr Prince Mary, Dr Senduru Srinivasalu, Dr Gowri, Dr Yovan Felix	Online Learning Management System(LMS)	Credo Systemz	120000
Dr Ashok Kumar, Ms. Anto Praveena, Dr Prem Jacob	Mobile Application Development for LMS platform	Algo Fusion Pvt Ltd	177000
Dr Albert Mayan, Dr Ashok Kumar, Dr B Bharathi, Dr Ankayarkanni, Dr Christy, Dr Asha, Dr Mary Posonia	Remaining Useful Life Prediction for Jet Engines	Cognibot Robotics	397000
Dr Dhamodaran, Dr Sardar Maran, Dr Jesudoss, Dr Pravin, Dr Usha Nandini	Web Development, Testing and Lead Generation Tool & Training Content on Machine Learning	Integrated Resource Management Solutions(IRMS)	193000
Dr.A.Anderson	Design And Fabrication Of Excersing Cycle Operated Biodigester	Meenakshi Associates PvT LTD	50000
Dr.S.Revathy Dr.R.Subhashini	React-native URL Gallery	cSoft Technologies	10000

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

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>	<b>Number of students participated in such activities</b>
Science Fest Activity	Centre for Waste Management	Awareness Programme	2021	500
Basic Leadership Camp	NSS - Sathyabama Institute of Science and Technology	Leadership Camp	2021	2
Advance Leadership Camp	NSS - Sathyabama Institute of Science and Technology	Leadership Camp	2021	1
Combined Annual Training Camp	NSS - Sathyabama Institute of Science and Technology	Training Camp	2021	10
Annual Training Camp	NSS - Sathyabama Institute of Science and Technology	Training Camp	2021	23
All India Rock Climbing Camp	NSS - Sathyabama Institute of Science and Technology	Gwalior, Madhya Pradesh	2021	1
Thal Sainik Camp TRG-1	NSS - Sathyabama Institute of Science and Technology	Dhanalakshmi College of Engineering, Manimangalam	2021	2
Thal Sainik Camp TRG-2	NSS - Sathyabama Institute of Science and Technology	Vellore Institute of Technology, Vellore	2021	2
World Environment Day	NSS - Sathyabama Institute of Science and Technology	World Environment Day	2021	51
World Food Safety Day	NSS - Sathyabama Institute of Science and Technology	World Food Safety Day	2021	51
World Against Child Labour Day	NSS - Sathyabama Institute of Science and Technology	World Against Child Labour Day	2021	51
World Blood Donor Day	NSS - Sathyabama Institute of Science and Technology	World Blood Donor Day	2021	51
International Day of Yoga	NSS - Sathyabama Institute of Science and Technology	International Day of Yoga	2021	51

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>	<b>Number of students participated in such activities</b>
Beti Bachao Beti Padao	NSS - Sathyabama Institute of Science and Technology	Beti Bachao Beti Padao	2021	35
Aatmanirbhar Bharat	NSS - Sathyabama Institute of Science and Technology	Aatmanirbhar Bharat	2021	35
Ayushman Bharat Pradhan Mantri Jan Arogya Yojana	NSS - Sathyabama Institute of Science and Technology	Ayushman Bharat Pradhan Mantri Jan Arogya Yojana	2021	35
Kargil Vijay Diwas	NSS - Sathyabama Institute of Science and Technology	Kargil Vijay Diwas	2021	35
Newsletter on Mountaineering and Trekking	NSS - Sathyabama Institute of Science and Technology	Newsletter on Mountaineering and Trekking	2021	35
Pledge taking on Fit India Freedom Run	NSS - Sathyabama Institute of Science and Technology	Pledge taking on Fit India Freedom Run	2021	35
Rastragaan National Anthem	NSS - Sathyabama Institute of Science and Technology	Rastragaan National Anthem	2021	35
Webinar on National Integration	NSS - Sathyabama Institute of Science and Technology	Webinar on National	2021	35
Independence Day	NSS - Sathyabama Institute of Science and Technology	Independence Day	2021	35
Training Session on Stand Up Against Street Harassment	NSS - Sathyabama Institute of Science and Technology	Training Session on Stand Up Against Street Harassment	2021	35
Lecture on Career in Armed Forces	NSS - Sathyabama Institute of Science and Technology	Lecture on Career in Armed Forces	2021	35
Fit India Freedom Run for 3 km	NSS - Sathyabama Institute of Science and Technology	Fit India Freedom Run for 3 km	2021	35
On the occasion of Azadi Ka	NSS - Sathyabama Institute of Science and Technology	On the occasion of Azadi Ka	2021	35
Amrit Mahotsav	NSS - Sathyabama Institute of Science and Technology	Amrit Mahotsav	2021	35

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>	<b>Number of students participated in such activities</b>
Collection and disposal of waste	NSS - Sathyabama Institute of Science and Technology	Collection and disposal of waste	2021	35
Beautification drive	NSS - Sathyabama Institute of Science and Technology	Beautification drive	2021	35
Pledge taking on Vigilance awareness week	NSS - Sathyabama Institute of Science and Technology	Pledge taking on Vigilance awareness week	2021	35
War Memorial Event	NSS - Sathyabama Institute of Science and Technology	War Memorial Event	2021	35
Puneet Sagar Abhiyan	NSS - Sathyabama Institute of Science and Technology	Puneet Sagar Abhiyan	2021	35
25 National Youth Festival	SS - Sathyabama Institute of Science and Technology	25 National Youth Festival	2022	51
Virtual Suryanamaskar Program	NSS - Sathyabama Institute of Science and Technology	Virtual Suryanamaskar Program	2022	35
73 Republic Day Celebration	NSS - Sathyabama Institute of Science and Technology	73 Republic Day Celebration	2022	51
Poster Making On Road Safety	NSS - Sathyabama Institute of Science and Technology	Poster Making On Road Safety	2022	51
Webinar on Road Safety	NSS - Sathyabama Institute of Science and Technology	Webinar on Road Safety	2022	51
B – Certificate Written Exam	NSS - Sathyabama Institute of Science and Technology	B – Certificate Written Exam	2022	13
B – Certificate Practical Exam	NSS - Sathyabama Institute of Science and Technology	B – Certificate Practical Exam	2022	13
CM Rally	NSS - Sathyabama Institute of Science and Technology	CM Rally	2022	13
Guard of Honour at Sathyabama Institute of Science and Technology	NSS - Sathyabama Institute of Science and Technology	Guard of Honour at Sathyabama Institute of Science and Technology	2022	51

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>	<b>Number of students participated in such activities</b>
Firing Camp Selections	NSS - Sathyabama Institute of Science and Technology	Firing Camp Selections	2022	11
C – Certificate Practical Exam	NSS - Sathyabama Institute of Science and Technology	C – Certificate Practical Exam	2022	24
C – Certificate Theory Exam	NSS - Sathyabama Institute of Science and Technology	C – Certificate Theory Exam	2022	24
Blood Donation Camp	NSS - Sathyabama Institute of Science and Technology	Blood Donation Camp	2022	11
Poster Making on Anti – Tobacco Day	NSS - Sathyabama Institute of Science and Technology	Poster Making on Anti – Tobacco Day	2022	35
Training Session On Stand Up Against Street Harassment	Sathyabama Institute of Science and Technology	Training Session On Stand Up Against Street Harassment	2021	300
Vijay Diwas	Sathyabama Institute of Science and Technology	Vijay Diwas	2021	120
Fit India	Navalur, Chennai.	Fit India	2021	140
International Human Solidarity Day	Sathyabama Institute of Science and Technology	International Human Solidarity Day	2021	120
KISAN DIWAS	Tiruporur, Chennai.	KISAN DIWAS	2021	60
National Consumer Day	Sathyabama Institute of Science and Technology	National Consumer Day	2021	80
Swatch Bharath Campaign	Akkarai Beach, ECR, Chennai.	Swatch Bharath Campaign	2022	140
Road Safety Awareness	Sholinganallur, OMR, Chennai	Road Safety Awareness	2022	140
National Girl Child Day	Sathyabama Institute of Science and Technology	National Girl Child Day	2022	150
73rd Republic Day	Sathyabama Institute of Science and Technology	73rd Republic Day	2022	120
Online Training on “Two Wheels One Life”	Sathyabama Institute of Science and Technology	Online Training on “Two Wheels One Life”	2022	500

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>	<b>Number of students participated in such activities</b>
Session on Roles & Responsibilities of Volunteerism	Sathyabama Institute of Science and Technology	Session on Roles & Responsibilities of Volunteerism	2022	2800
Cancer Awareness Campaign	Sathyabama Institute of Science and Technology	Cancer Awareness Campaign	2022	3600
NSS Parade Selection Camp	Sathyabama Institute of Science and Technology	NSS Parade Selection Camp	2022	500
Blood Donation Campaign	Sathyabama Institute of Science and Technology	Blood Donation Campaign	2022	350

## 10 COLLABORATIVE ACTIVITIES

### 10.1 MOUs

#### 10.1.1 INTERNATIONAL UNIVERSITIES 2021 – 2022

File S.No	Name of the Organisation/University	Signed On
1.	Westcliff University, USA	05/07/2021
2.	Sanata Dharma University, Indonesia	04/03/2022
3.	Province de Liege, Belgium	04/03/2022
4.	Universidad De Mendoza, Argentina	05/07/2021
5.	Westminster College London, UK - Progression Agreement	17/07/2021
6.	TED University, Turkey	27/01/2022
7.	Universiti Malaysia Perlis, Malaysia	15/02/2022
8.	Mettu University, Ethiopia	04/03/2022

#### 10.1.2 NATIONAL INDUSTRIES 2021 – 2022

S.No	Name of the Organisation/University	Signed On
1.	TATTI, Chennai	11/05/2022
2.	Communitree	14/06/2021
3.	Samsung R&D Institute India-Bangalore Private Limited	08/07/2021
4.	VivagenDX Labs (OPC) Private Limited	12/07/2021
5.	MGM Healthcare	06/08/2021
6.	Media & Entertainment Skills Council	16/08/2021
7.	VEI Technologies	11/10/2021
8.	Hubert Enviro Care Systems P Ltd	16/10/2021
9.	Icon Life Sciences	01/11/2021
10.	3 SI Eco Power	14/02/2022
11.	Godrej & Boyce	25/02/2022
12.	Tamilnadu Urban Finance and Infrastructure Development Corporation Ltd (TUFIDCO)	04/03/2022
13.	Vi Microsystems Pvt. Ltd.	28/03/2022
14.	Micromatic Machine Tools Private Ltd.	01/04/2022



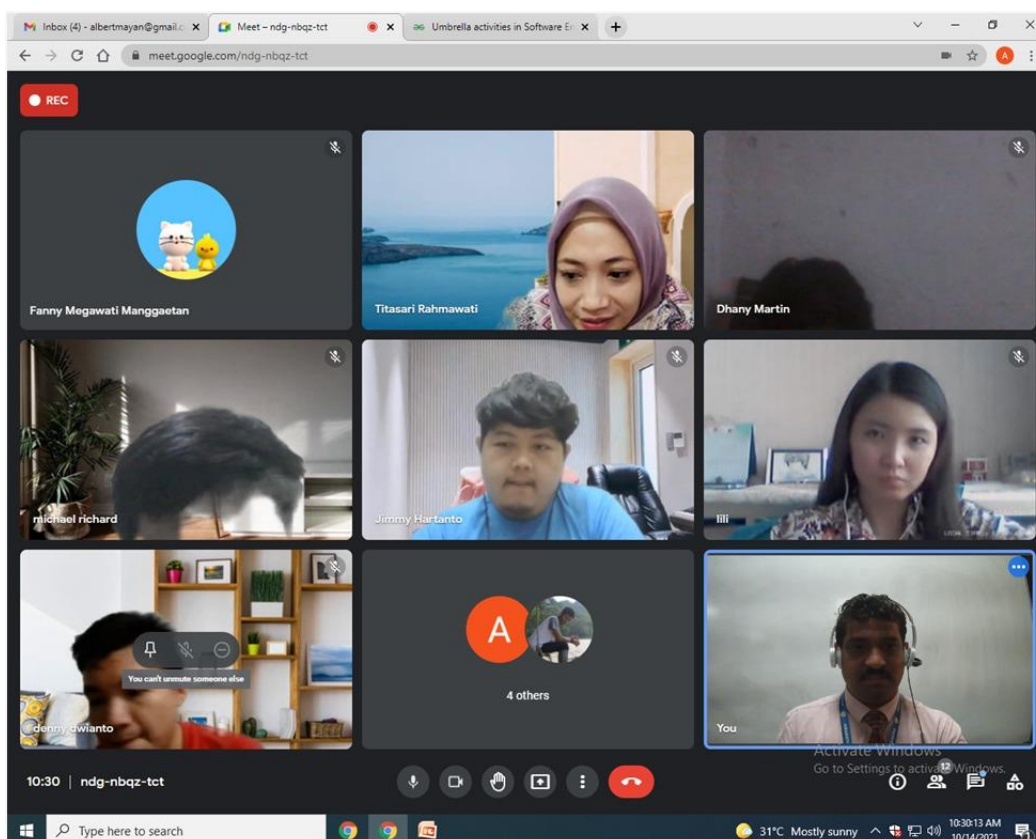
S.No	Name of the Organisation/University	Signed On
15.	Nature Science Foundation	11/04/2022
16.	TVS Training and Services Ltd.	25/04/2022
17.	VATIO Energy India Private Limited	11/05/2022
18.	Infinity PMC Solutions Pvt. Ltd.	19/05/2022

### 10.1.3 NATIONAL UNIVERSITIES 2021 – 2022

S.No	Name of the Organisation/University	Signed On
1.	Periyar University, Salem	15/12/2021
2.	Graphic Era University, Uttarakhand	10/03/2022

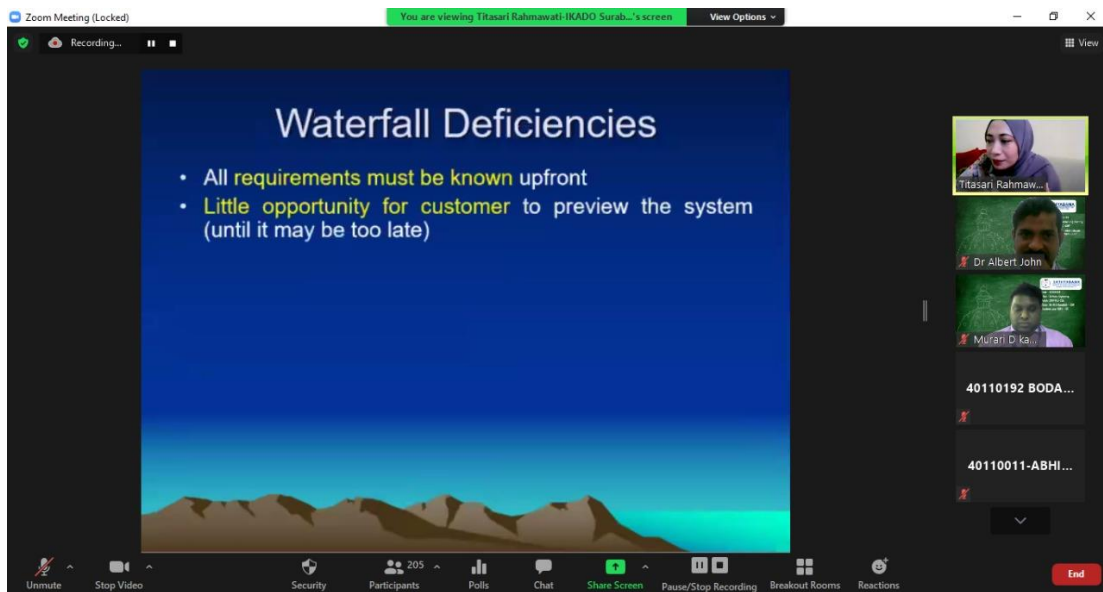
### 10.2 FACULTY EXCHANGE PROGRAMME (OUTBOUND)

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. During Pandemic Faculty had handled classes through virtual mode.



### 10.3 FACULTY EXCHANGE PROGRAMME (INBOUND)

Professors from Universiti teknologi Malaysia, Malaysia and University of Miscolc, Hungary had visited our Institution on a faculty exchange programme in exchange of two of our faculty on a Teaching mobility for a period of Month. During Pandemic Faculty had handled classes through virtual mode.



10.4

### STUDENT EXCHANGE PROGRAMME (INBOUND)

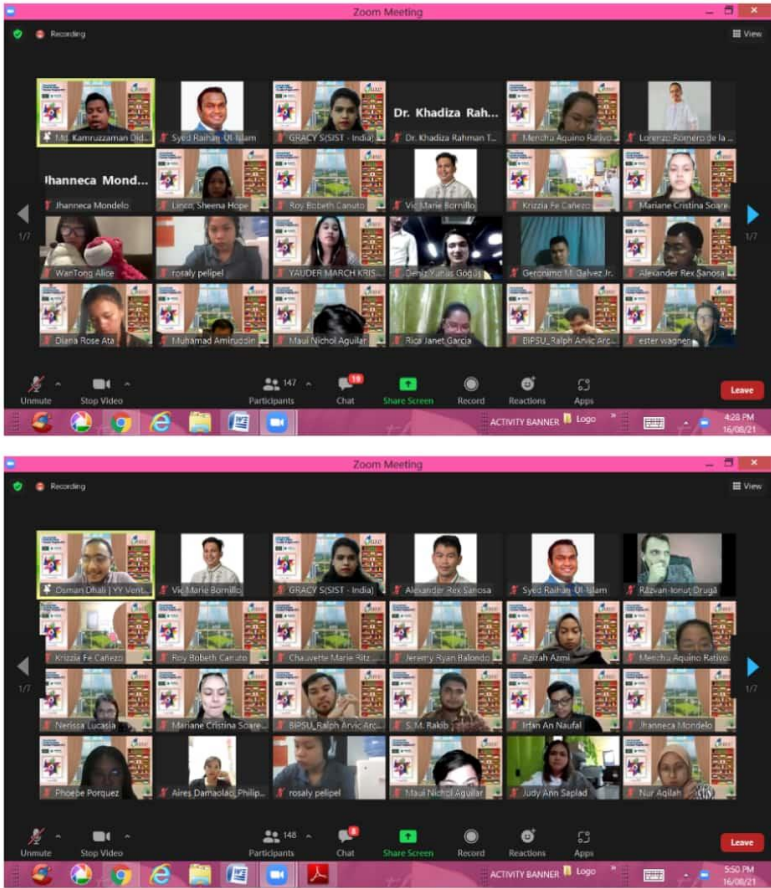
Students from overseas are allowed to undergo study for a period of one semester at Sathyabama Institute of Science and Technology. During Pandemic the students attended classes through virtual mode.



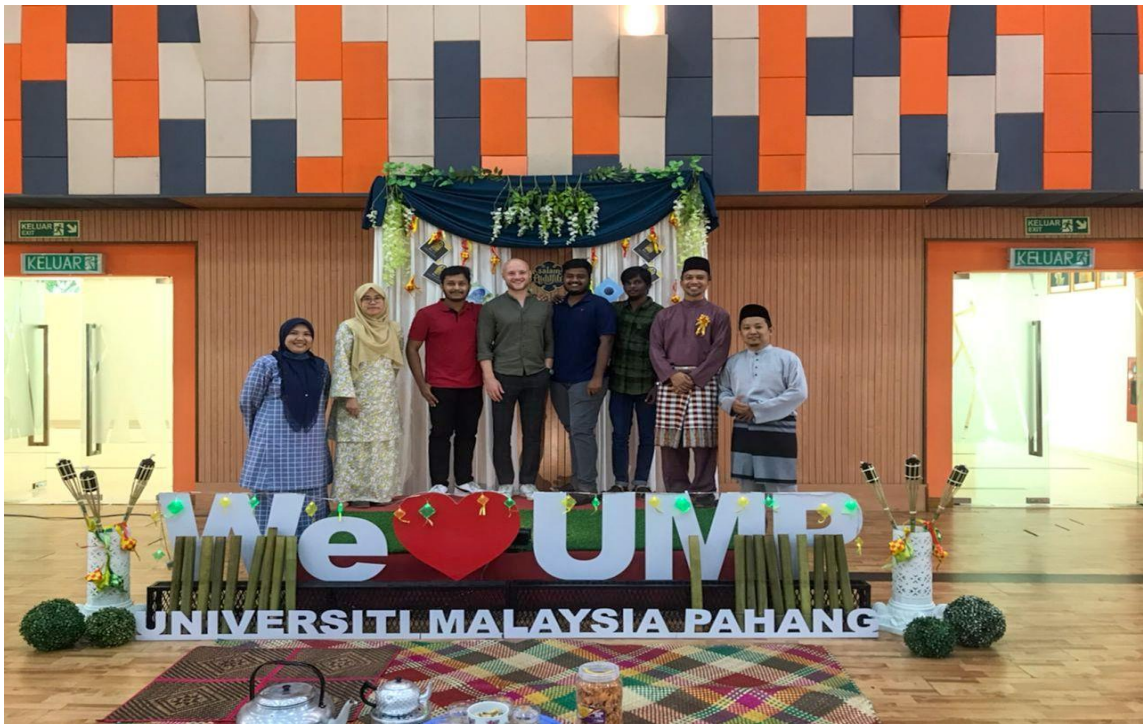


**10.5 STUDENT EXCHANGE PROGRAMME (OUTBOUND)**

To provide International learning experience our students are provided opportunity to study one semester in foreign Universities. Students are sent on Semester Abroad Programmes (SAP) to our partnering universities across the world where they can study 4-6 subjects. The credits they earn at the foreign University are recognized, transferred and considered for the award of degree. During Pandemic the students attended classes through virtual mode.







## 10.6 FACULTY AS SPEAKERS IN ABROAD UNIVERSITIES

The image displays three promotional posters for the International Science Symposium (ISS). Each poster features a speaker's profile, their name, and their affiliation. The posters are for the 2nd Edition of ISS, held in December 2021. The speakers are Dr. A. Anderson (High temperature coatings), Dr. G. Arunkumar (Compliant Mechanisms and Systems for New Age Industries and Engineering Support), and Dr. G. Sundari (Technologies of the Fourth Industrial Revolution). Each poster includes a 'subscribe' button and the website even3.com.br/iss2e2021.

## 11 COLLABORATIVE ACTIVITIES FOR FACULTY EXCHANGE, STUDENT EXCHANGE DURING THE YEAR

Year of collaboration	Name of the collaborating agency with contact details	Name of the participant	Nature of the activity
2021	Universiti Teknologi MARA (UiTM)	Barath. M	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Deepika Sri. K	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Dharshini Priya. M	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Ilavarasan. I	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Jayashree. J	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Kaviya. K	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Kaviya. R	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Madheswari. A	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Menaka. R	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Pavunraj. P	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Ponswetha. S	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Priyadharshini. V	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Rashika. R	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Shanmugapriya. J	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Sivagama Sundari. R	Virtual Semester Abroad Programme

<b>Year of collaboration</b>	<b>Name of the collaborating agency with contact details</b>	<b>Name of the participant</b>	<b>Nature of the activity</b>
2021	Universiti Teknologi MARA (UiTM)	Srikanth. R	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Sumithra. K	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Aarthi C	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Aishwarya Ganavati S	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Arunachi K	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Bala Monica N	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Jeyasudha V	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Kaviya Shree T K	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Priyadharshini D	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Rithika M	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Ruby Shalini T	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Shamily B	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Suseela V	Virtual Semester Abroad Programme
2021	Universiti Teknologi MARA (UiTM)	Vinoth K	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Anandhi. M	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Archana. S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Arun. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Daisy Bosco. T	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Deepan Edward Dasan. M	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Deepika.A	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Flora. S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Grace Sharin.T.N	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Gunal. D	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Jaga Deepika. P	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Janani Rajasekar	Virtual Semester Abroad Programme

<b>Year of collaboration</b>	<b>Name of the collaborating agency with contact details</b>	<b>Name of the participant</b>	<b>Nature of the activity</b>
2021	UNIS, Brazil	Jerin J S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Karthick. A	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Karthigha.S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Kevin Kennedy. J	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Krishnaprakash.K	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Logesh S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Manisha.S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Mithun Nixon Raj. S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Papunuka Lakshmi	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Pooja. S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Prathyumnan. R.K	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Premkumar. I	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Ranjani. K	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Reshma S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Revathi.R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Sai Krishnan. K.E	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Sai Lakshmi.D	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Sanjay S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Saranya. B.M	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Shatchayani. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Siva Chidambaram. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Sivaranjane. K	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Sridhanushpraveen. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Swathi. D	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Tharani.H	Virtual Semester Abroad Programme



<b>Year of collaboration</b>	<b>Name of the collaborating agency with contact details</b>	<b>Name of the participant</b>	<b>Nature of the activity</b>
2021	UNIS, Brazil	Udhaya Prakash. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Vaishnavi. S	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Vignesh. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Vinitha. E	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Vishal Kumar.G	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Yuvaraj. R	Virtual Semester Abroad Programme
2021	UNIS, Brazil	Akash Mrithvin B	Certification course on International Law
2021	UNIS, Brazil	Dhuruv Pokar	Certification course on International Law
2021	UNIS, Brazil	Jessie Shapthika V	Certification course on International Law
2021	UNIS, Brazil	Pavyaa Angelina	Certification course on International Law
2021	UNIS, Brazil	Sneha P	Certification course on International Law
2021	UNIS, Brazil	Subhasree S	Certification course on International Law
2021	UNIS, Brazil	Sugheerthi R	Certification course on International Law
2021	UNIS, Brazil	Sushma N	Certification course on International Law
2021	UNIS, Brazil	Thilothinee	Certification course on International Law
2021	UNIS, Brazil	Kanimozhi	Certification course on International Law
2021	UNIS, Brazil	Eeshwaa C G	Certification course on International Law
2021	UNIS, Brazil	Vasantha Kumar A	Certification course on International Law
2021	UNIS, Brazil	Aishwarya	Certification course on International Law
2021	UNIS, Brazil	Abinaya	Certification course on International Law
2021	UNIS, Brazil	Arya Abaranji	Certification course on International Law
2021	UNIS, Brazil	Ashvitha	Certification course on International Law
2021	UNIS, Brazil	Atchaya N	Certification course on International Law
2021	UNIS, Brazil	Dayan Shariff	Certification course on International Law
2021	UNIS, Brazil	Muthumalan	Certification course on International Law

<b>Year of collaboration</b>	<b>Name of the collaborating agency with contact details</b>	<b>Name of the participant</b>	<b>Nature of the activity</b>
2021	UNIS, Brazil	Priyadharshini V	Certification course on International Law
2021	UNIS, Brazil	Suganya	Certification course on International Law
2021	UNIS, Brazil	Ziyana Farheen M	Certification course on International Law
2021	UNIS, Brazil	Irajadharani	Certification course on International Law
2021	UNIS, Brazil	Kalainesan	Certification course on International Law
2021	UNIS, Brazil	Yuvanesh	Certification course on International Law
2021	UNIS, Brazil	Vajire Vaibhav	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Ashanu Geo	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Pavithra D	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Tina Kiran	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Jayavaradhan	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Sneka S	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Anitha.T	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Savithra S	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Saritha.S	Certification course on Creativity and Innovation
2021	UNIS, Brazil	Madhusudhanan	Certification course on Creativity and Innovation
2021	UNIS, Brazil	S.A. Arshiya Sadaq	Certification course on Creativity and Innovation
2021	Daffodil University, Bangladesh	Gracy S	Virtual International Social Business Summer Program 2021
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Mr. J. R. Deepak	Online Faculty Exchange
2021	Institut Informatika Indonesia (IKADO), Indonesia	Dr. Albert Pravin	Online Faculty Exchange
2021	Institut Informatika Indonesia (IKADO), Indonesia	Titasari Rahmawati	Online Faculty Exchange

<b>Year of collaboration</b>	<b>Name of the collaborating agency with contact details</b>	<b>Name of the participant</b>	<b>Nature of the activity</b>
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Participants from Wollo University, Kombolcha Institute of Technology, Ethiopia	International Faculty Exchange Program on AutoCAD Design
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Dr. V K Bupesh Raja	Ethiopia's First International Automobile Industry 4.0 - One Week Online Training Certification Program (AUTO-2021)
2021	Wollo University, Ethiopia	Mr. J. R. Deepak	International Webinar Series on Latest Trends in Automobile (Horse Power - 2021)
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia		International Seminar on Career Development
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Mr. J. R. Deepak	International Faculty Exchange Program on Autocad Design
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Dr. S Prakash	International Faculty Exchange Program on Autocad Design
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Dr. V K Bupesh Raja	International Faculty Exchange Program on Autocad Design
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Dr. Preethi Sheshadri	International Faculty Exchange Program on Autocad Design
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Dr. A. Chitra Devi	International Faculty Exchange Program on Autocad Design
2021	Wollo University, Kombolcha Institute of Technology, Ethiopia	Dr. R. B. Durairaj	International Workshop on Fundamentals of Robot Programming
2021	Group UNIS	Dr. Preethi Sheshadri	VII International Congress

## 12 COLLABORATIVE ACTIVITIES FOR RESEARCH 2021-2022

<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Number/Name of participants</b>	<b>Year of</b>
Funded Project with Annamalai Univ	MoES	3	Jan-21
Funded Project with CMLRE and NIOT	MoES	16	Jan-21
Colloborative research with Bhrath University	Host Institute	5	Jan-21
Colloborative research with Sri Krishna Arts and Science College	Host Institute	4	Jan-21
Colloborative research with VIT	Host Institute	6	21-Jan
Colloborative research with Jamal mohammed College Trichy	Host Institute	3	21-Jan
Colloborative research with Bhrath Institute of Higher Education and Research	Host Institute	2	Feb-22
Collaborative Reseachr article	International Center for Materials Nanoarchitectonics (NIMS), 1-1 Namiki, Ibaraki, Tsukuba	Dr. Karthick & Katsuhiko Ariga	Feb-21
Collaborative Book Chapter	International Center for Materials Nanoarchitectonics (NIMS), 1-1 Namiki, Ibaraki, Tsukuba	Dr. Karthick & Katsuhiko Ariga	Feb-22
Faculty Development Programme on "Addressing livability in a Post pandemic world"	Amity School of Architecture and Planning,Amity university kolkata in association with centre for science and Environmnetb	Ar Yusuf Chiniwala	Jul-21
Faculty Development Programme on "Addressing livability in a Post pandemic world"	Amity School of Architecture and Planning,Amity university kolkata in association with centre for science and Environmnet	Ar Ramkumar	Jul-21
Faculty Development Programme on "Addressing livability in a Post pandemic world"	Amity School of Architecture and Planning,Amity university kolkata in association with centre for science and Environmnetb ,New Delhi	Ar Kavitha	Jul-21

<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Number/Name of participants</b>	<b>Year of</b>
Online Training Program on Green Buildings -The Griha Way	Council of Architecture Training & Research centre in collaboration with Griha council	Ar Yusuf Chiniwala	Jun-21
Online Training Program on Green Buildings -The Griha Way	Council of Architecture Training & Research centre in collaboration with Griha council	Ar Kavitha	Jun-21
Online Training Program on Green Buildings -The Griha Way	Council of Architecture Training & Research centre in collaboration with Griha council	Ar Deepalakshmi	Jun-21
Faculty Development Programme on Design Thinking	Department of Mechanical Engineering & School of computing as a part of CDIO initiatives of Sathyabama Institute of Science and Technology	10	Nov-21
FDP on Protection and Management of Indian Heritage Assets :Key aspects and Challenges	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy	Ar Yusuf Chiniwala	Nov-21
FDP on Design thinking on excellence in OBE & Digital Learning	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy	Ar Yusuf Chiniwala	Dec-21
FDP on "Built, Infrastructure and Environment"	Faculty of Architecture,Dr.MGR Educational and Research Institute,Chennai	Ar.Kavitha	Mar-22
FDP on "Built, Infrastructure and Environment"	Faculty of Architecture,Dr.MGR Educational and Research Institute,Chennai	Ar Vignaeshwar C	Mar-22
Short Time Training Program on Architectural Design Software II"	Department of Architecture & Planning ,Maulana Azad National Institute of Technology,Bhopal	Ar Surya Rajkumar	Sep-21
Online Certificate course cum workshop on Designing captivating presentations with powerpoint	Department of computer Science and Applications in collaboration with career guidance cell ,Sanatan Dharma college,Ambala cantt,kurushetra University,	Ar Surya Rajkumar	Nov-21
One week workshop on Adobe Photoshop and adobe Indesign	School of computing, Department of computer science and Engineering,Sathyabama Institute of Science and Technology	Ar Surya Rajkumar, Ar Shankar, Ar Kavitha	Aug-21

<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Number/Name of participants</b>	<b>Year of</b>
Online Elementary FDP on Management on Building Rehabilitation	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy	Ar Surya Rajkumar, Ar Divya	Oct-21
Online Elementary FDP on Natural Ventilation and Building Design in Tropical Regions"	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy	Ar Surya Rajkumar, Ar Madhumitha, Ar Kavitha	Sep-21
FDP on Adoptive Approaches for Modern teaching and Research	Centre for research and development & institution's Innovation Council, Sathyabama Institute of Science and Technology	Ar Surya Rajkumar	Nov-21
FDP on zInculcating Human values In technical Education	All India Council for Technical Education, Nelson Mandala Marg, Vasant Kunj, new Delhi	3	Jul-21
Online Training Program on Architecture + Design Thinking	Council of Architecture Training & Research centre in collaboration with Griha council	Ar Seetha Visalakshi	Sep-21
FDP on Green Building and Built Environment-IGBC	Indian Green Building Council	Ar Kavitha	Oct-21
Online Elementary FDP on Remote Sensing and GIS Application in spatial planning and Development	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy	Ar Jhannupriya	Dec-21
Online Elementary FDP on Sustainable Construction Technology	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy, at Indian Institute of technology, indore	Ar Divya	Jul-21
Online Elementary FDP on Smart city solution for Sustainable Future	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy, at BMS college of Engineering	Ar Divya	Aug-21
Online Elementary FDP on Pedagogical Process in Architecture-An Orientation for young faculty fraternity	All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy, at School of Planning and Architecture, Vijayawada	Ar Divya	Jul-21

<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Number/Name of participants</b>	<b>Year of</b>
Online Elementary FDP on Waste Technology	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at Govt Mahila Engineering College,Ajmer	Ar Divya	Jan-22
Online Elementary FDP on Indian Heritage Mangement	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at Govt Mahila Engineering College,Ajmer	Ar Divya	Jul-21
Online Elementary FDP on Design ,Modeling and Simulation of Sustaianble Building Energy System	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at Pimpri Chinchwad College of Engineering	Ar Divya	Aug-21
Online Short Term Course on STAAD Pro Architects	Department of Architecture and Regional Planning, IIT Kharagpur	Ar Deepalakshm	Oct-21
Certificate Course on Innovative Construction Technology	School of Planning and Architecture ,New Delhi ,Building Materials & technology Promotion Council,Ministry of Housing & Urban Affairs,Governmnet of India, New Delhi	Ar Deepalakshmi	Jun-21
Online Workshop on karmic Design Thinking:A Buddhism Inspired Method to help create Human Centered Products & services	NPTEL, conducted by Indian Institute of Technology,Chennai	Ar Deepalakshmi	Jan-22
Online Elementary FDP on Design thinking	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,atBharathi Vidyapeeth College of Engineering	Ar Deepalakshmi	Jun-21
Online Elementary FDP on Design thinking to nurture creativity and Innovation Leading to Entrepreneurship	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at D Y patil institute of management & research	Ar Deepalakshmi	Jun-21



<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Number/Name of participants</b>	<b>Year of</b>
Online Elementary FDP on Effective decision Making for Professional success	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at College of Engineering ,Bhuvanesar	Ar Deepalakshmi	Aug-21
Online Elementary FDP on exploring the Idea for Scalable product Design Skills	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at Gujarat Technological University	Dr Arulmalar,Ar Catherine,Ar Sanghavi	Jun-21
International Workshop on Intellectual property Rights and innovation in Civil engineering	Department of Civil Engineering of St Martin Engineering college, Dhulapally,Secunderabad,T.S.Ind	Ar Arun S k	Jun-21
Online Elementary FDP on Essentials of Academic Research	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy, at Gujarat Technological University	Dr Arulmalar	Nov-21
Faculty Development Programme on Inclusive Initiative for Sustainable Development	Amity School of Architecture and Planning,Amity university kolkata in association with centre for science and Environment	Dr Arulmalar	Aug-21
Online Elementary FDP on Art and drama in Education	All India Council for Technical Education,AICTE Training and Learning (ATAL) Academy,at Gujarat Technological University	Dr Arulmalar	Nov-21
"Knowledge, attitude, and challenges in digital learning using smartphones among dental students of South India: a cross-sectional survey"	Oral Cancer Screening Vertical, Indian Cancer Society, Mumbai, Maharashtra, India, Adhiparasakthi Dental College & Hospital, Melmaruvathur, Tamil Nadu, India, Shri Sathya Sai Medical College & Research Institute, Ammapettai, Nellikuppam Post, Tamil Nadu, India , College of Dental Sciences, Davangere, Karnataka, India 6Adhiparasakthi Dental College & Hospital, Melmaruvathur, Tamil Nadu, India	Dr. Purushotham Mohankumar	Apr-21

<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Number/Name of participants</b>	<b>Year of</b>
Study group	Sri Venkateswara Dental College, Tagore Dental College, Sathyabama Dental College, Chettinad Dental College, Karpaga Vinayaga Dental college	20	Mar-22
Training	CSoft Technologies	Mr.Vinoth	May-21

# **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**