

QUARTERLY NEWSLETTER I

January 2022 - March 2022



KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)
KRISHNANKOIL - 626 126



This issue:

- 1.General
- 2.Academics
- 3.Student Support and Progression
- 4.Research
- 5.Publications

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1. GENERAL

PARTICIPATION IN RANKING AND ACCREDITATIONS

1. eSAR for the following 3 Programmes has been submitted to NBA on 25.02.2022.

1. B.Tech. Biotechnology
2. B.Tech. Computer Science and Engineering
3. B.Tech. Electronics Communication and Engineering

2. eSAR for the following 5 Programmes has been submitted to NBA for fresh NBA accreditation on 04.03.2022.

1. B.Tech. Food Technology
2. B.Tech. Information Technology
3. M.Tech. Biotechnology
4. M.Tech. Industrial Safety Engineering
5. M.Tech. Structural Engineering

VIBRANT GUJARAT CONFERENCE

International Conference of Academic Institutions was organised on the 5th and the 6th of January, 2022 at Vigyan Bhavan, Science City, Ahmedabad, Gujarat in co-ordination with the Ministry of Education, Government of India and globally renowned universities under the aegis of Vibrant Gujarat Global Summit 2022. Our Vice Chancellor **Prof. Nagaraj Ramrao** was one of the panelists of Vibrant Gujarat Conference on Interdisciplinary Education.



UGC EXPERT COMMITTEE

On 25th March 2022 an expert committee constituted by UGC headed by Dr. N.V. Ramana Rao, Director, National Institute of Technology -Warangal visited KARE regarding awarding UGC 12B status. Prof. Paulraj Rajamani from Jawaharlal Nehru University, New Delhi; Prof. Anjana Gosain, University School of Information, Communication & Technology, Guru Gobind Singh Indraprastha University, New Delhi and Dr. Neel Sarovar Bhavesh, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi accompanied as visiting committee members coordinated by Dr. Naresh Kumar Sharma, Under Secretary, UGC, New Delhi.

KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade

**HEARTY WELCOME TO
UGC EXPERT COMMITTEE**

 <p>CHAIRMAN N.V. Ramana Rao Director NIT, Warangal</p>	 <p>MEMBER Paulraj Rajamani Professor School of Environmental Sciences JNU, New Delhi</p>	 <p>MEMBER Anjana Gosain Professor GGSIU, New Delhi</p>	 <p>MEMBER Dr. Neel Sarovar Bhavesh Professor ICGEB, New Delhi</p>	 <p>CO-ORDINATING OFFICER Dr. Naresh Kumar Sharma Under Secretary UGC, New Delhi</p>
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REPUBLIC DAY

National Cadet Corps, KARE celebrated the 73rd Republic Day in a memorable way. The chief guest of the day **Dr. V. Vasudevan**, Registrar, KARE unfurled the tricolor flag and given the stimulating speech of the day. Followed by solemn pledge and National Anthem, the program wound up by **10:30am**. Sweets was distributed among the participants.



SCIENCE AND TECH INNOVATION EXPO

ACIC-KIF organized an Exhibition with LRDE, DRDO, Bangalore, IEEE, India, IGCAR, Chennai and C-DAC, Bangalore in 19th March 2022 at Maditssia Auditorium, Madurai by CEO Dr. B. Subathra, Vice President Dr. Shasi Anand Sridharan, and Chief guest of the event was the Director, IGCAR, Dr. B. Venkatraman.



2. ACADEMICS

PARTICIPATION OF FACULTY MEMBERS IN CONFERENCES, SEMINARS, WORKSHOPS, FDP

1. Dr. K. Vijayakumar, Associate Professor, department of Electrical and Electronics Engineering participated in the Noble World Records, Maximum People Solving 3x3x3 Rubik Cube on Digital Platform from 75 Different Locations, organised by School Innovate, New World Record and registered in the Noble Book of World Record, Record No. NWR/2238/2022, Keepers of the Noble World Records, 26th January 2022.
2. Dr. D. Devaraj, Sr. Professor, department of Electrical and Electronics Engineering chaired the Technical Session in the 7th International Conference on Nanoelectronics Circuits & Communication Systems (NCCS-2021) organised by ISVE at Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India from 29th & 30th January, 2022 in Virtual Mode.
3. Prof Chris Abisha, department of Architecture attended the COA TRC – Sustainable Hill side Development Conducted by COA TRC, Bhopal and Architecture, Planning and Design, IIT(BHU), Varanasi from 14th February 2022 to 18th February 2022.
4. Mr. S. Rajendran, Assistant Professor-II, department of Electrical and Electronics Engineering participated in a Webinar Series on “Advances in Bio-Sensing Technologies” conducted by SRM Institute of Science and Technology on the 17th and the 18th of February, 2022
5. Prof Ahamed Fazeel Akram, department of Architecture attended the AICTE- ISTE Approved Orientation Programme on “Modern Technologies for Teaching” from 31st January to 5th February 2022.
6. Dr. K. Mukilan, Assistant Professor, department of Civil Engineering presented paper entitled A mass appraisal assessment study of land values using spatial analysis and multiple regression analysis model (MRA) in Recent Advances in Engineering Materials Avlas Institute of Engineering and Technology, Karnataka from 3rd to 5th March, 2022.
7. Dr. K. Vijayakumar, Associate Professor, department of Electrical and Electronics Engineering participated in the Faculty Workshop in Virtual Mode Entitled “How to Buy and Sell Shares in Stock Exchanges” Organized by Department of Commerce, Kalasalingam Business School, Kalasalingam Academy of Research and Education, Krishnankoil on 10th March 2022.
8. Mr. S. Rajendran, Assistant Professor-II, department of Electrical and Electronics Engineering Participated in the “Research Talk 2022” program organized by IET, Nashik local network from 25th & 26th March 2022.
9. Dr. D. Devaraj, Sr. Professor, department of Electrical and Electronics Engineering attended the orientation webinar on “Outcome Based Education and Accreditation for Program Evaluators (PEVs)” on 30th March 2022 through online.

PAPER PRESENTATION IN CONFERENCES

1. Dr. V. Yegnanarayanan presented a paper in the international e-Conference on Rough Sets, Fuzzy Sets and Their Applications, on 24th & 25th, January 2021.
2. Dr. G. Chitra and Dr. T. Muthukani Vairavel presented papers in a Two-Day International Conference on “Pure and Applied Mathematics” - ICOPAM 2022 at TBML College, Porayar on 24th & 25th March, 2022.

- Dr. M. Kameswari presented a paper in the 5th International Congress on “Life, Social and Health Sciences in a Changing World” on 26th & 27th March, 2022 conducted by Shoolini University.

RECOGNITION

- Dr. P. Aruna Jeyanthi, Associate Professor, department of Electrical and Electronics Engineering acted as a technical program committee member in the Springer 6th International Conference on Inventive Systems and Control ICISC 2022, on 6th & 7th January 2022, Coimbatore.
- Dr. C. Sivapragasam, Professor, Department of Civil Engineering acted as Workshop facilitator for the IUCEE conference (ICTIEE 2022) from 7th to 9th January 2022.
- Dr. K. Rajesh, Associate Professor, Department of Electrical and Electronics Engineering in a token of appreciation for acting as a review member in the International Conference on smart Technologies Application-2022 (ICSTA 2022) organized by Ramco Institute of Technology on 11th & 12th March, 2022.
- Dr. M. Kameswari acted as a Keynote Speaker and Chair Person in the Heber International Conference on Applied Mathematics, Management, Computer Science and Statistics organized by PG & Research Department of Mathematics, Bishop Heber College (Autonomous) on 18th March 2022.
- Dr. K. Selvarani went as a Chief Evaluator for the course AEX 411 – Rural Horticultural Work Experience and Agro Industrial Attachment (0+20) in RVS Padmavathy College of Horticulture, Sempatti on 25th March 2022.

FACULTY AS A RESOURCE PERSON IN FDP

S. No	Name of the Speaker	Date	Name and address of the college been as a Resource Person	Name of the Faculty Development Program	Area of Lecture Delivered
1.	Dr. N. Lakshmi Thilagam	17 th – 21 st January 2022	Council of Architecture, Training and Research Centre, Bhopal in Association with Dayananda Sagar Academy of Technology and Management, School of Architecture, Bangalore, Karnataka	Sustainable Development through Building Design: Past and Future	Smart solutions for sustainable cities of the future.
2.	Dr. N. Lakshmi Thilagam	07 th – 11 th March 2022	Council of Architecture, Training and Research Centre, Bhopal in association with IES College of Architecture, Chittilappily, Thrissur, Kerala.	Quantative Methods for Qualitative research in Architecture and Planning.	Combined Strategies and Mixed Methodology in Research.

MR. TAMILNADU CONTEST

Dr. Muthamil Sudar, Assistant Professor, department of Computer Science and Engineering has won the silver medal in Mr. Tamilnadu contest.

3. STUDENT SUPPORT AND PROGRESSION

STUDENTS ACHIEVEMENTS

Our Students Nivedhitha K, Gopikrishna G, Bhavani R, Sandra Babu and Dheepak R of final year Biotechnology have cleared GATE examination.



Nivedhitha K,
Department of
Biotechnology



Gopikrishna G,
Department of
Biotechnology



Bhavani R,
Department of
Biotechnology



Sandra Babu,
Department of
Biotechnology



Dheepak R,
Department of
Biotechnology

PROJECT RECEIVED FROM TNSCST

The following projects have been sanctioned by the Tamil Nadu State Council for Science and Technology (TNSCST) under the student projects scheme 2021-2022.

S. No	Faculty Name and Department	Title of the Project	Student Name	Amount in Rs.
1.	Dr. B. Vanavil, Department of Biotechnology	Biofortified Mushrooms to Combat Iodine Uptake and Deficiency through Seaweed Bioprocessing towards COVID-19 Management	Nithish P, Barath V, Nivethidha K	7500
2.	Dr. Selvaraj Kunjiappan, Department of Biotechnology	Design and molecular modeling of novel glucose transporter mediated Camptothecin loaded N-acetylglucosamine-conjugated glutenin nanoparticles for targeting breast cancer cells	R. Raja Rajeshwari	7500
3.	Dr. PL. Meyyappan, Department of Civil Engineering	Development of a Cost-Effective Light Emitting Transparent Concrete	S. Fazur Rehman, M. Madesh Kumar, T. Sharveshram, R. Sivaneshan	7500
4.	Dr. K. Mayandi, Department of Mechanical Engineering	Wash basin waste water reusable filtration gadget	Bommareddy, Gowtham Reddy, Guturi Dhanush Kumar, Bijjam Prakash Reddy	7500

EXTENSION ACTIVITIES

B.Sc. (Hons.) Horticulture final year students demonstrated about establishment of Kitchen Garden and created awareness about the importance of kitchen garden among the students of Sakkarajakottai Middle School, Rajapalayam on 5th January 2022. School teachers and Head Master also participated in this event.



B.Sc. (Hons.) Horticulture final year students distributed Seed kits to Rajapalayam farmers with the help of Assistant Director of Horticulture (ADH) Mrs. Kalaivani on 20th January 2022. Around 100+ farmers were benefited by this scheme.



On 25th February 2022, B.Sc. (Hons.) Horticulture final year students are learning Crop Cutting Experiment (CCE) in onion field at Melarasakularaman village, Rajapalayam with Village Administrative Officer (VAO) Mr. Velusamy, Agri Insurance Company Officer Mr. Parasuraman and Horticulture Officer (HO) Mr. Balamurugan.



PARTICIPATIONS OF STUDENTS IN WORKSHOP / SYMPOSIUM/ SEMINAR

S. No	Department	Programme Name	Date	Student Name	Student Register No
1	Information Technology	Industrial Lecture on Introduction to Industry Grade Robotics Process Automation	14-02-2022	Anto Aswanth J	9920008062
				Balaji V	9918008037
				D. Vishnu Prakash	9920008046
				Devi Bala	9920008006
				E. Yugandhar	9918008024
				Gopalakrishna D	9918008008
				Gopi G R	9920008034
				Hari Prasad	9918008039
				Jeshima J	9918008010
				K. Kamaleshjeyanthan	9920008010
				Mukesh Pandian	9920008045
				N.S. Vijayaragunathan	9918008031
				R Sundararajan	9920008033
				Ramkumar	9920008018
				Rosini P	9920008044
S. Vignesh	9920008062				
Uma Maheswari A	9918008037				
Venkateshaperumal S	9920008046				

INDUSTRIAL VISIT

Visited State Eco Park and Horticultural farm with I & II B.Sc., Horticulture students on 6th March 2022. 53 students participated from both the classes.



Visited TANTEA with III B. Sc, (Agri) students on 7th March 2022 to expose them to various Tea processing techniques and Botanical Garden to study the components of gardening. 59 students were present.



Visited Karnataka State Horticultural Garden on 8th March 2022 to expose he students to various components of gardening, 59 students were present.



Visit to Thapovanam Orchard and Estates on 20th March 2022 with IV year Horticulture students as a part of RHWE.



ALUMNI ENGAGEMENT

Ms. Suganthi of B. Tech 2020 Graduated batch got admitted for MS in Biotechnology Programme at John’s Hopkins University, USA.

S. No	Department	Event Name	No of Days	Venue	No of Alumni	Date
1	Information Technology	Industrial Lecture on Introduction to Industry Grade Robotics Process Automation.	1	Online	1	14.02.2022

ACTIVITIES OF PHYSICAL EDUCATION

TAEKWONDO CHAMPIONSHIP – 2022

SG Master Ooty National TAKEWONDO championship – 2022 held on 07th & 08th January 2022 at Ooty. In this Takewondo Competition B. Thavasi, I B.Com. (CA), S. Vijay, I B.Sc. (CS) has won Gold Medal. The winners were honored by Mr. A.R. Mohan, Director SG Master Academy, Ooty.



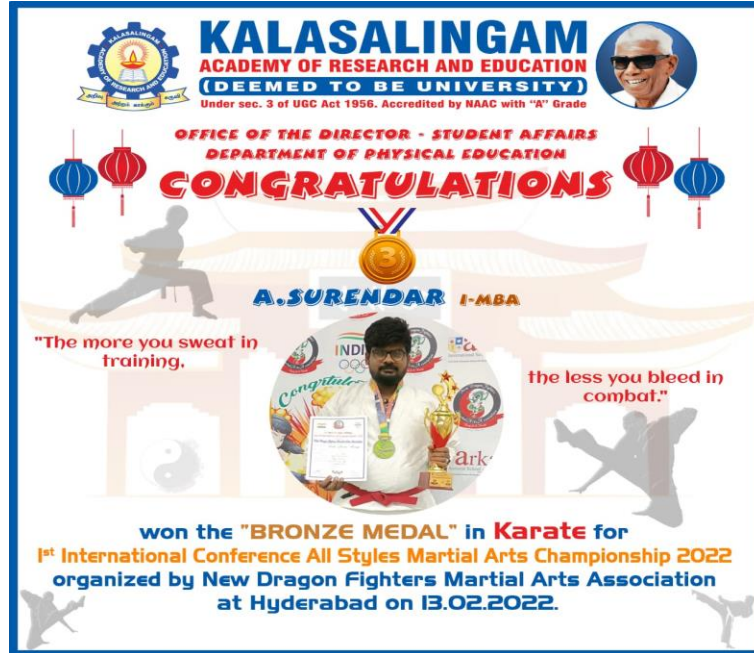
ROAD RUN

KARE - Physical Education conducted the “**VETERANS INDIA PATRIOTIC RUN**” as part of “**ROAD RUN**” programme at our KARE campus on 26th January 2022 @ 11.30 AM. The event was organised by Dr. G. T. Selvaganesh, HOD (i/c) Department of Physical Education, KARE coordinated by Ms. A. Chithra, Assistant Physical Directress, KARE under the guidance of Dr. M. Muthukannan, Director - Student Affairs, KARE. Dr. S. Chandra, Principal, Arulmigu Kalasalingam College of Arts and Science, Krishnankoil was the Chief Guest to start the Road Run by waving the green flag shown. Totally 112 students participated in this program.



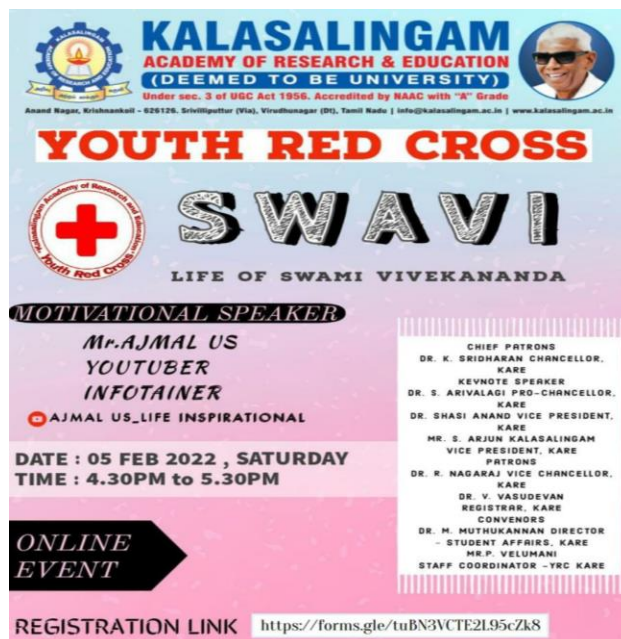
1ST INTERNATIONAL CONFERENCE ALL STYLES MARTIAL ARTS CHAMPIONSHIP 2022

New Dragon Fighters Martial Arts Association, Hyderabad has Conducted 1st International Conference All Styles Martial Arts Championship 2022 on 13.02.2022. In Karate Competition **Mr. A. Surrender**, I MBA won Bronze Medal.



ACTIVITY OF YOUTH RED CROSS

Youth Red Cross of Kalasalingam Academy of Research and Education organised an online event titled SWAVI 2k22 on 05/02/2022. Mr. P Velumani Coordinator of the club welcomed the gathering. The event was organised to create awareness among the public regarding saving our valuable environment and also to impart education to youth in taking part in societal activities. The chief guest Mr. Ajmal US highlighted the above points to the students. Motivational events and games were conducted for the students. Prize winners were announced at the valedictory and the coordinator distributed the prizes. The Student President thanked the gathering. The Vice President and the Secretary were also present. 627 Students of KARE attended the function.



**ACTIVITY OF PHOTOGRAPHY
KAPTURED 2.0**

KAPTURED 2.0 event was conducted by photography club held on 01.02.2022 to 04.02.2022. This event was conducted in the virtual mode using Google meet as a platform. 69 students participated in this event. Gold in Dirt, Traditional, Time-Lapse and Wide-Wonders were the competitions conducted.



ACTIVITIES OF TAMIL MANDRAM

Tamil Mandram celebrated Thai Pongal Celebration on 14.01.2022 online. In this occasion three online events were conducted such as Pongal drawing, Sentamil Selvan/ Sentamil Selvi and Rangoli. In these events 110 students participated and got cash prizes.

துலைமைப் புரவலர்கள்

முனைவர் க. பூரீதரன்
வேந்தர்

முனைவர் பூர். சசி ஆனந்த்
துணைத்தலைவர்

திரு பூர். அர்ஜீன் கலசலிங்கம்
துணைத்தலைவர்

புரவலர்கள்

முனைவர் இரா. நாகராஜ்
துணைவேந்தர்

முனைவர் வெ. வாசுதேவன்
பதிவாளர்

செயலாளர்

முனைவர் மு. முத்துக்கண்ணன்
மாணவர் நல ஆயக்ஞர்

ஒருங்கிணைப்பாளர்

முனைவர் சி. சங்கீதா
உதவிப் பேராசிரியர்
தமிழ்த்துறை

மாணவ

ஒருங்கிணைப்பாளர்கள்

ம. சக்திகுமார்
முதுநிலை வணிக மேலாண்மை
ம. சந்திராஷ்குமார்
முதுநிலை வணிக மேலாண்மை



கலசலிங்கம்
கவி மற்றும் ஆரம்பகரி நிறுவனர்

நிகர்நிலைப் பல்கலைக்கழகம்
தேசியத் தர நிர்ணயக்குழுவின் "A" தரச்சான்று பெற்றது
ஆனந்த் நகர், திருவணைக்கோவில், விருதுநகர் 626126





கலசலிங்கம்
கவி மற்றும் ஆரம்பகரி நிறுவனர்

நிகர்நிலைப் பல்கலைக்கழகம்
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ஆனந்த் நகர், திருவணைக்கோவில், விருதுநகர் 626126



உலக மன்றம்
உலக மன்றம்

திருவிழா

Registration link here [click here](#)

பொங்கல் படம்
செந்தமிழ்ச் செல்வன்/
செந்தமிழ்ச்செல்வி
வாசலில் வாயலில்
ஒலியப்போடடி

949
14-01-2022

ஆசிரிய ஆலோசகர்
முகவளி செனிந்தா
உதவிப் பேராசிரியர் (குயிடு)
KARE

**மொட்டிக்கு...
செந்தமிழர் 635760807
சந்திராஷ்குமார் 9894224714**

Tamil Mandram celebrated Thai Mozhi Thiruvizha (Matru bhasha Diwas) on 21.02.2022 at Dr. A.P.J. Abdul Kalam, Seminar Hall. Dr. C. Sangeetha, Coordinator Tamil Mandram, delivered the Welcome Address. Dr. M. Muthukannan, Director Student Affairs, delivered the Presidential Address. Dr. P. Pandiyarajan, Dean School of Liberal Arts and Special Education delivered the Felicitation Address. 159 students participated in the event and got cash prizes. Essay writing, Drawing, Quiz, Poster making and Speech contest were the competitions conducted.

கலசலிங்கம்
கல்வி மற்றும் ஆராய்ச்சி திருவழி
நிகர்நிலைப் பங்கவைக்கழகம்
தேசியத் தர நிர்ணயக்குழுவின் "A" தரச்சான்று பெற்றது
ஆனந்த் நகர், திருவள்ளூர் கோவில், விருதுநகர் 626126

தமிழ் மந்திரம்
தமிழ் மந்திரம்
தமிழ் மந்திரம்

தாய்மொழித் திருவிழா

முனைவர் **கிரா. நாகராஜ்**
துணைவேந்தர்

முனைவர் **பி.வ.வாசுதேவன்**
பதிவாளர்

முனைவர் **மு.முத்துக்கண்ணன்**
மாணவர் நல இயக்குநர்

ஆசிரிய ஆலோசகர்
முனைவர் **சி.சங்கீதா**
உதவிப் பேராசிரியர் (தமிழ்)
KARE

பரிசீலிப்பு விழா
21-02-2022

இடம்
அய்யங்கலார் கட்டிட கருத்தரங்க அறை
நேரம் : மாலை 4 மணி

ACTIVITY OF GREEN ARMY

Energy Conservation Day was celebrated in Kalasalingam Academy of Research and Education by arranging a Guest Lecture on the topic "Energy conservation" through Google-meet on 5th of February 2022 from 4:00 pm to 5:00 pm. **Speaker:** Dr. Syed Shuibul Qarnain, Building Service Engineer, Doha, Qatar.

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ACADEMY OF RESEARCH & EDUCATION
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Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade
Anand Nagar, Krishnankottai - 626126. Skillpattur (Vic), Virudhunagar (Dist), Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

Guest Lecture on
ENERGY CONSERVATION DAY

Organized by
Green Army

Guest:
Dr. Syed Shuibul Qarnain

Lecture on
05.02.2022 (Saturday)
Time: 4.00-5.00 pm

To join in lecture
<https://meet.google.com/mjd-qfwf-evd>

Program officer
Dr. M. Muthu Kannan
Professor/ Director
Student Affairs

Coordinator
Dr. S. Muthuveel
Associate Professor
E-Mail: s.muthuveel@klu.ac.in

Staff incharge
Ms. N. Vigneshwari
Assistant Professor
E-Mail: vigneshwari.n@klu.ac.in

4. RESEARCH





SEMINARS, CONFERENCES, WORKSHOPS, TRAINING PROGRAMS, CERTIFICATION PROGRAMS, GUEST LECTURE, WEBINAR AND THONS ORGANIZED

S. No	Title	Department	Date	No. of Attendees
1.	Financial Education for Youngsters	Commerce	03.01.2022 to 13.01.2022	160
2.	One-day Faculty Conclave on "Effectiveness of the Foundation Core Courses"	FALT	11.01.2022	48
3.	National Girl Child Day	Social Work	24.01.2022	22
4.	Nature Conservation Awareness Programme	Chemistry	29.01.2022	36
5.	Construction Management in Infrastructure Aspects of Urban Transport	Civil Engineering	30.01.2022	44
6.	Guest Lecture on Environmental Accounting and Reporting	Commerce	05.02.2022	130
7.	Guest Lecture on Decoding Union Budget 2022	Commerce	08.02.2022	127
8.	Webinar on "Poster Presentation – Know How"	Computer Application	09.02.2022	53
9.	Abolition of Bonded Labour System 2022	Social Work	10.02.2022	18
10.	HR Practices in India and Middle East	Business Administration	11.02.2022	55
11.	Industrial Lecture on Introduction to Industry Grade Robotics Process Automation	Information Technology	14.02.2022	40
12.	Guest Lecture on 'New Business Models in Agriculture and Horticulture Investment and Technology Influences'	Horticulture	17.02.2022	73
13.	Green Environment for Sustainable Future	Business Administration	18.02.2022	62
14.	Guest Lecture on "IoT Simulator Tinker Cad"	Computer Application	18.02.2022	38
15.	Career Opportunities in IT Sector	Business Administration	19.02.2022	52
16.	Industrial Lecture on IPM in Enterprise Application Service (EAS)	Electronics Communication Engineering	19.02.2022	277
17.	Webinar on "IoT – A World Inside Tech"	Computer Application	21.02.2022	42
18.	Gamification	Business Administration	23.02.2022	72

S. No	Title	Department	Date	No. of Attendees
19.	CS Awareness Programme	Commerce	24.02.2022	200
20.	Workshop on “Hands-on Education on Real-World Machine Learning”	Computer Application	25.02.2022 - 02.03.2022	47
21.	Industrial Lecture on Mobile App Development	Electronics Communication Engineering	26.02.2022	157
22.	One day Webinar on “The Mathematics of Data Science (DS)/ Machine Learning (ML), Artificial Intelligence (AI)”	FALT	26.02.2022	55
23.	Design and Synthesis of Superhydrophobic MOFs for Gas Separation and Oil Spill Cleanup Applications	Chemistry	28.02.2022	43
24.	Stress Management	Commerce	28.02.2022	22
25.	Art of Research Paper Writing	Architecture	28.02.2022	25
26.	Mathematical Modelling in Fuzzy Environment	Mathematics	28.02.2022	35
27.	Chinese Food Festival - Fiery Dragon	Catering Science and Hotel Management	05.03.2022	132
28.	WARTECH	Computer Application	05.03.2022	65
29.	Faculty Workshop in Virtual Mode on How to Buy and Sell Shares in Stock Exchanges	Commerce	10.03.2022	150
30.	International Webinar on “Emerging Techniques in Machine Learning and future directions”	Computer Science and Information Technology	10.03.2022	85
31.	Tech extravaganza	Information Technology	11.03.2022	71
32.	Guest Lecture on Art of Software Engineering	Computer Science and Information Technology	15.03.2022	80
33.	Mobile App Development from Scratch	Computer Science and Information Technology	16.03.2022	80
34.	Career in Salesforce	Computer Science and Information Technology	17.03.2022	80
35.	Fest-TARANG-2022	Business Administration	19.03.2022	28

S. No	Title	Department	Date	No. of Attendees
36.	SOFTNIVAL 2K22	Computer Application	19.03.2022	56
37.	World Forest Day	Civil Engineering	21.03.2022	42
38.	Nature Conservation Awareness Programme	Chemistry	22.03.2022	44
39.	Career Guidance – Specific to Cruise liners	Catering Science and Hotel Management	30.03.2022	32

PHD VIVA- VOCE EXAMINATION DEFENDED BY FACULTY MEMBERS

Name of the faculty member and department	Supervisor	Thesis title	Data of viva-voce examination
 <p>M. Sakthimohan, Department of Electronics and Communication Engineering</p>	Dr. J. Deny	An Augmented Approach on Design of Multipliers for Linear Phase FIR Filter using FPGA and its Implementation	02.02.2022
<p>P. Velumani, Department of Civil Engineering</p> 	Dr. T.R. Neelakantan	Development of a Prediction Model for Construction Project Cost in India: An Analytical Approach	09.02.2022
 <p>Ramaganesh M, Department of Mechanical Engineering</p>	Dr. S. Bathrinath	A Study on Challenges Influencing Mining Industry: An Empirical Approach	07.03.2022
<p>R.P. Suryasankar, Department of Instrumentation and Control Engineering</p> 	Dr. D. Devaraj and Dr. B. Kannapiran	Development of a Remote Aqua Monitoring System for Sustainable Aquaculture	16.03.2022

PROJECT GRANTS RECEIVED FROM GOVERNMENT AGENCIES

No	Principal Investigator	Title of the Project	Funding Agency	Sanctioned Amount (Rs)	Letter Number and Date
1.	Dr. P. Deepalakshmi, Department of Computer Science and Engineering	Validation and digitization of indigenous medicinal knowledge of tribes of The Nilgiris, Namakkal, Thiruvannamalai and Tirunelveli districts, Tamil Nadu	DST-SEED	3000000	DST/SEED/TSP/ST1/2020/333 02.03.2022
2.	Dr. N. Hariram and Dr. Sheik Asraf Sheik Abdul Kader, Department of Biotechnology	Value addition and product diversification in Tea	DBT-NER-BPMC	4633000	BT/PR45264/NER/95/1920/2022 12.03.2022
3.	Dr. T. Kathiresan, Dr. K. Sundar and Dr. K. Selvaraj, Department of Biotechnology	Mechanistic Investigation on EMT targeted nanotherapeutics for drug-resistant triple-negative breast cancer cells	DBT-NER-BPMC	5830200	BT/PR44695/NER/95/1880/2021 16.03.2022
4.	Dr. Perumalla Srikanth and Dr. Muhilan Mahendhiran Department of Agriculture	Development of sustainable agriculture practices for biotic and abiotic stress management in conventional and organic tea plantations	DBT-NER-BPMC	3065669	BT/PR45283/NER/95/1919/2022 21.03.2022
5.	Dr. Naidu Dhanpal Jayram, Department of Physics	Ion beam irradiation of semiconductor thin films for Surface enhanced Raman spectroscopy application	UGC-DAE	45000	CRS/2021-22/02/501 30.03.2022

FACULTY AWARDS

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
1.	Dr. G. Chitra	Private Organization	Association of Global Academicians and Researchers	Best Presenter Award-2021	30.01.2022
2.	Dr. M. Kameswari	Private Organization	IEEE	Best Paper Award	16.02.2022
3.	Dr. S. Viji	International Body	REST Society for Research International	RSRI Young Researcher Award	28.02.2022

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
4.	Dr. S. Viji	Private Organization	Kalasalingam Academy of Research and Education	First and Second Prizes in Competitions Conducted by Women Empowerment Cell	05.03.2022
5.	Dr. S. Rani	Private Institution	Kalasalingam Academy of Research and Education	First and Second Prizes in Competitions conducted by WEC	08.03.2022
6.	Ms. G. Thamaraiselvi	Private Institution	Kalasalingam Academy of Research and Education	First and Second Prizes in Competitions conducted by WEC	08.03.2022
7.	Dr. S. Viji	Private Institution	Kalasalingam Academy of Research and Education	First and Second Prizes in Competitions conducted by WEC	08.03.2022

PATENT

No	Department	Patent Title	Patent Members Name	Application Number	Published Date
1.	Computer Science and Engineering	Remote Authentication System and Method	Mr. K. Muthamilsudar, M. Akshaya, S. Akshaya and B. Prudhvish	202141061041	01/07/2022
2.	Biotechnology	Method of Preparing Adhesive from Tamarind Seeds	N. Dhivya, P. Arunraj, R. Santhoshkumar and Anandha Krishnan R	202141061042	01/07/2022
3.	Automobile Engineering	System and Method for Fuel Quantity Monitoring	Dr. S. Gowthaman and Mr. K. Thangavel	202141061043	01/07/2022
4.	Computer Science and Engineering	Electrical Energy Controlling System and Method for Educational Institution	J. Jeyaranjani and Praveen S V	202241000950	01/21/2022
5.	Information Technology	Smart Street Light System	Dr. V. Babyshalini	202241000951	01/21/2022
6.	Biotechnology	Method for Ripening Fruits	Sankarganesh Arunachalam and Uma Priya Mohan	202241000952	01/21/2022
7.	Electronics and Communication Engineering	System and Method for Eye Disease Detection	Dr. K. S. Dhanalakshmi, E. Pavithra,	202241001743	01/28/2022

No	Department	Patent Title	Patent Members Name	Application Number	Published Date
			Akash Arjun and K. Joshna		
8.	Electrical and Electronics Engineering	Food Feeding System and Method Thereof	S. Rajendran, K. Rajesh, V. Buthipriyan, G. Nagarajan and J. Jenson	202241001742	01/28/2022
9.	Biomedical Engineering	Jaundice Detection System and Method	M. Thooya, N. Poojarithi, P. Sakthirathna, Dr. M. Anisha, Mrs. N. Vigneshwari, Mr. C. Jim Elliot and Mr. S. Kalimuthukumar	202141059774	01/28/2022
10.	Biotechnology	Mosquito Repellant Incense and Method of Preparing the Same	Ritikakalyani. J, Subiksha. N, Rupa and Dr. T. Kathiresan	202141059778	01/28/2022
11.	Chemical Engineering	System and Method for Drying Crops	Dr. Jayatonayak	202141059775	01/28/2022
12.	Chemical Engineering	Method of Preparing Alcohol Based Hand Sanitizer	M. Elakkiya, R. Ramnarendran, I.P. Lakshmikanth and R. Sarath Kumar	202141058031	01/28/2022
13.	Chemical Engineering	Apparatus and Method for Mixing Firework Chemicals	Aruna Janani. V, Balakumar. R, Moorthy. S and Kapilan. B	202141059776	01/28/2022
14.	Chemical Engineering	Method of Extracting Hydrochar from Sewer Sludge and Municipal Solid	Dr. Vikranthvolli	202141058033	01/28/2022
15.	Computer Science and Engineering	Saline Level Monitoring System and Method	A. Robert Singh, Dr. J. Deny, Sunil Kumar U and Vignesh S	202141058032	01/28/2022
16.	Food Technology	Method of Preparing Bio-Degradable Film Using Mango Kernel and Mango Peel	S. I. Jeyanthallwin, Irene Kalaiarasi X and Abinjiju	202141059777	01/28/2022
17.	Electronics and Communication Engineering	Speech Based Security System	Dr. Kalpanamurugan, Cherukuri Nikhil Kumar and Donthu Sai Subash	202141058511	02/04/2022

No	Department	Patent Title	Patent Members Name	Application Number	Published Date
18.	Electronics and Communication Engineering	Biometrics Based Locker Security System and Method	Dr. V. Himadeepthi, M. Rohith Reddy, Ch. Satwik and K. Praharsa	202141058510	02/04/2022
19.	Electronics and Communication Engineering	System and Method for Detecting Osteoarthritis Using Image Enhancement Techniques	Dr. J. Deny, K. Alekhya, Amarnath Reddy and V. Maneesha	202141058578	02/04/2022
20.	Electrical and Electronics Engineering	Multi-Staged Waste Treatment System and Method	Dr. C. Shilaja and Mrs. P. Priya	202141058577	02/04/2022
21.	Mechanical Engineering	Chainless Bicycle	Dr. K. Mayandi, Anish Nair, Rajesh S, T. Mahanth and M. Dinesh	2241001740	02/04/2022
22.	Mechanical Engineering	Beverage Cooling Apparatus and Method	Anish Nair, Mayandi K, Rajesh S and Rakhil V	202141058379	02/04/2022
23.	Biomedical Engineering	System and Method for Obstacle Detection	Dr. T. Arunprasath, Sakthivelsankaran, Dr. M. Pallikondarajasekaran, Dr. G. Vishnuvarthanan, Dr. J. Deny, Manimegalairavichandran and M. Dhineshkumar	202141061360	02/04/2022
24.	Automobile Engineering	System and Method for Preventing Accidents	Dr. S. Gowthaman, Ms. Thummapudideepthi, Mr. R. Vignesh and Mr. M. Gopiprasanna	202141058380	02/04/2022
25.	Biotechnology	Method for Isolation of Immunoglobulin-Y Antibody from Immunized Egg Laying Animal	Dr. N. Hariram	202241003861	02/04/2022
26.	Biotechnology	Bacteria Encapsulated Alginate Beads for Plant Growth Enhancement	B. Vanavil, V. Subharaga, Sumathi. S. Nair, A. Martinajemimal and S. Jency Emi Carolin	202141058381	02/04/2022

No	Department	Patent Title	Patent Members Name	Application Number	Published Date
27.	Biotechnology	Low-Cost Protein Rich Animal Feed from Silkworm Pupae Waste	Dr. L. Muthulakshmi, Dr. D. Sakthivel and Thayaagharan S	202141058753	02/04/2022
28.	Chemical Engineering	Apparatus and Method for Production of Conductive Ink from Combustion Gas	V. Aruna Janani, Y. Robin Dhanaraj and D. Gokul	202241003864	02/04/2022
29.	Chemical Engineering	Method of Preparing Herbal Sanitation Kit	V. Aruna Janani, D. Gokul, E. Karthikeyan, Keerthana and Satheesh	202241002963	02/04/2022
30.	Computer Science and Engineering	System and Method for Disease Prediction	P. Nagaraj, Vutukuri Deepak, Nithin Gupta and Hemanth Kumar	202141061314	02/04/2022
31.	Computer Science and Engineering	Robotic Weed Removing Apparatus and Method Thereof	R. Raja Subramanian, Sandhya, Tanushkodiraman, Chinimillibhanu, Mohan Kumar, Monika Sreevelampudi, R. Raja Sudharsan,	202241002965	02/04/2022
32.	Computer Science and Engineering	Garbage Bin Overflow Indication System and Method	Marreddyvamsidhar Reddy, M. Sakthimohan, Poleboinagnaneswarn, Saivivek, G. Elizabeth Rani and Prattipatitharun	202141058377	02/04/2022
33.	Computer Science and Engineering	Grass Cutting Machine and Method	Dr. R. Murugeswari and R. Saivaraprasad	202141058378	02/04/2022
34.	Information Technology	Smart Army Jacket	Dr. S.P. Balakannan, Naveen Kumar N, Dhilip Kumar S and A. Chandramouli	202141058754	02/04/2022
35.	Information Technology	Automatic Lighting Control System and Method	Dr. R. Sundarajan, N. Naveen Kumar, S. Dhilip Kumar, S. Selva Kumar and P. Rajasekaran	202141059512	02/04/2022

No	Department	Patent Title	Patent Members Name	Application Number	Published Date
36.	Computer Science and Engineering	System for Indicating Liquified Petroleum Gas Level	Mr. S. Kailasam	202241002966	02/04/2022
37.	Information Technology	Assistance System and Method for Elderly Person	S. Suprakash	202141062138	02/04/2022
38.	Civil Engineering	Method of Preparation of Thermal Insulation Plaster	Dr. S. Vanitha, P. Karthigaipriya, Tamminenigowtham Kumar, Bijjamravindra Reddy, Yenikapati Sri Harsha Gangurivamsi Sri Krishna and M. Atheenam	202241002964	02/04/2022
39.	Civil Engineering	Eco-Sustainable Three-Dimensional Printed Geopolymer Brick	Dr. M. Muthukannan, Mr. K. Arunkumar and Mr. A. Sureshkumar	202141062140	02/04/2022
40.	Civil Engineering	Eco Sustainable Light Weight Low Calcium Geopolymer Brick	Dr. M. Muthukannan and Mr. K. Arunkumar	202141061311	02/04/2022
41.	Civil Engineering	Method of Manufacturing Paver Blocks	Dr. PL. Meyyappan and Dr. C. Sivapragasam	202241003863	02/04/2022
42.	Food Technology	Method of Preparing Biodegradable Food Packaging from Seemai Karuvelam	K. Swathi, S. I. Jeyanthallwin and Dr. S. Reginoldjebita	202141059511	02/04/2022
43.	Agriculture	Method of Preparing Silver Nitrate Nanoparticle Coating for Mycelia Brick	Dr. Kannan K. Pon Kishore. Veladicharan L S and Karthick S	202241003862	02/04/2022
44.	Agriculture	Method of Producing Tamarind Powder	D. Sivakumar, Jaga Mohan Mehar, D. Ragasudha, B. Doraswamyreddy and B. Ushasree	202241001741	02/04/2022
45.	Agriculture	Method of Increasing Shelf-Life of Paneer	Dr. Sivakumardurairaj, Dr. Jagamohanmeher, Perumalla Srikanth, D. Ragasudha, B. Doraswamyreddy and B. Ushasree	202141061313	02/04/2022

No	Department	Patent Title	Patent Members Name	Application Number	Published Date
46.	Biotechnology	Method for Preparing Phyco-Vermicompost for Double Fertilizer Treatment of Chili Plants	Shantkriti Srinivasan, Mariyasneha Rani, Joseph, Neelavenivelusamy, Pavithrapetchimuthu	202141061312	02/04/2022
47.	Civil Engineering	Method of Preparing Organic Manure to Promote Plant Growth and Crop Yield	Dr. S. Vanitha	202241002967	02/04/2022
48.	Civil Engineering	Method of Preparing Organic Manure to Promote Plant Growth and Crop Yield	Dr. S. Vanitha, Dr. K. Selvarani, Dr. C. Sivapragasam, Dr. PL. Meyyappan, A. Kowsiga and Lidwin Joan Jeraldine	202241002967	02/04/2022
49.	Computer Science and Engineering	Water Quality Monitoring System and Method	R. Sumathi, G. Poojitha Sree, Vandana and G. Kowshik	202141058755	02/04/2022

BEST CHEMISTRY SCIENTISTS

Research.com published Top chemistry 227 Scientists in India based on h index. Prof. M. Swaminathan, FRSC, Nanomaterials Laboratory, Department of Chemistry, International Research Centre, Kalasalingam Academy of Research and Education is one of the Top chemistry 227 Scientists. Prof. M. Swaminathan is listed 114 in the list.

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8791		114			Meenakshisundaram Swaminathan <small>Kalasalingam Academy of Research and Education, India</small>	50		9,237		198
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SCOPUS LISTED PUBLICATIONS DURING JANUARY- MARCH 2022

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
1.	Gopinath G.R., Muthuvel S., Muthukannan M., Sudhakarapandian R., Praveen Kumar B., Santhan Kumar C., Thanikanti S.B.	Design, development, and performance testing of thermal energy storage based solar dryer system for seeded grapes	2022	Sustainable Energy Technologies and Assessments	51		101923		
2.	Kaliammal R., Parvathy G., Maheshwaran G., Devi V.K., Kumar M.K., Sankaranarayanan K., Sudhahar S.	Experimental and theoretical studies on new 2-amino-6-methylpyridinium 2,4-dihydroxybenzoate monohydrate organic single crystal for second order nonlinear optical applications	2022	Journal of Molecular Structure	1254		132330		
3.	Premkumar R., Hussain S., Jayram N.D., Koyambolkonzapa S.-J., Revathy M.S., Mathavan T., Milton Franklin Benial A.	Adsorption and orientation characteristics of 1-methylpyrrole-2-carbonyl chloride using SERS and DFT investigations	2022	Journal of Molecular Structure	1253		132201		
4.	Maheshwaran G., Seethalakshmi G., Kousalya Devi V., VenkataKrishna L.M., Ramesh Prabhu M., Krishna Kumar M., Sudhahar S.	Synergistic effect of Cr ₂ O ₃ and Co ₃ O ₄ nanocomposite electrode for high performance supercapacitor applications	2022	Current Applied Physics	36			63	70

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
5.	Siva V., Murugan A., Shameem A., Thangarasu S., Bahadur S.A.	A facile microwave-assisted combustion synthesis of NiCoFe ₂ O ₄ anchored polymer nanocomposites as an efficient electrode material for asymmetric supercapacitor application	2022	Journal of Energy Storage	48		103965		
6.	Rajasri S., Kalikeri S., Balachandran S., Gowthami K., Thirunarayanan G., Swaminathan M., Muthuvel I.	Enhanced photodegradation of 2,4-dinitrophenol by n-p type TiO ₂ /BiOI nanocomposite	2022	Journal of the Indian Chemical Society	99	3	100337		
7.	Sulaiman S.M., Jeyanthi P.A., Devaraj D., Shihabudheen K.V.	A novel hybrid short-term electricity forecasting technique for residential loads using Empirical Mode Decomposition and Extreme Learning Machines	2022	Computers and Electrical Engineering	98		107663		
8.	Shenbagavalli S., Muthuvinayagam M., Revathy M.S.	Preparation and characterization of proton (H ⁺) conducting solid blend polymer electrolytes based on PEO/P(VdF-HFP) incorporated with NH ₄ SCN	2022	Journal of Non-Crystalline Solids	579		121368		
9.	Prabakaran S., Ramar R., Hussain I., Kavin B.P., Alshamrani S.S., Alghamdi A.S., Alshehri A.	Predicting Attack Pattern via Machine Learning by Exploiting Stateful Firewall as Virtual Network Function in an SDN Network	2022	Sensors	22	3	709		
10.	Nachimuthu S., Kannan K., Thangavel S., Gurushankar K.	Electrochemical and magnetic properties of 3D porous NiS/CuS nanocomposites	2022	Applied Surface Science Advances	7		100209		

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
11.	Ganesh A.C., Mukilan K., Srikar B.P.V., Teja L.V.S., Prasad K.S.V., Kumar A.A., Sharath R.P.	Effect of Flyash-Rice Husk Ash Blend in the Energy Efficient Geopolymer Tiles Using Industrial Wastes	2022	Materials Science Forum	1048 MSF			403	411
12.	Arun Kumar K., Muthukannan M., Raja Abinaya R., Suresh Kumar A.	Structural Behaviour of Green Geopolymer Concrete Beams and Columns Made with Waste Wood Ash a Partial Substitution Binder	2022	Materials Science Forum	1048 MSF			333	344
13.	Suresh Kumar A., Muthukannan M., Irene A.D.K.B., Arunkumar K., Chithambar G.A.	Flexural Behaviour of Reinforced Geopolymer Concrete incorporated with Hazardous Heavy Metal Waste Ash and Glass Powder	2022	Materials Science Forum	1048 MSF			345	358
14.	Suresh Kumar A., Muthukannan M., Kanniga Devi R., Arunkumar K., Chithambar Ganesh A.	Improving the Performance of Structural Members by Incorporating Incinerated Bio-Medical Waste Ash in Reinforced Geopolymer Concrete	2022	Materials Science Forum	1048 MSF			321	332
15.	Pattabiraman K., Kameswari M., Seenivasan M.	Generalized Version of ISI Invariant for Some Molecular Structures	2022	Materials Science Forum	1048 MSF			221	226
16.	Radhakrishnan Govindan G., Sattanathan M., Muthiah M., Ranjitharamasam y S.P., Athikesavan M.M.	Performance analysis of a novel thermal energy storage integrated solar dryer for drying of coconuts	2022	Environmental Science and Pollution Research					

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
17.	Samuel A., Krishnamoorthy M., Ananthan B., Subramanian K., Murugesan K.P.	Application of Metaheuristic Algorithms for Solving Real-World Electricity Demand Forecasting and Generation Expansion Planning Problems	2022	Iranian Journal of Science and Technology - Transactions of Electrical Engineering					
18.	Dargar S.K., Dargar A., Srivastava J.K., Birla S.	Analytical Modeling of Cylindrical Surrounding Double-Gate MOSFET Including Channel Quantum Confinement	2022	Silicon					
19.	Sunanthini V., Deny J., Govinda Kumar E., Vairaprakash S., Govindan P., Sudha S., Muneeswaran V., Thilagaraj M.	Comparison of CNN Algorithms for Feature Extraction on Fundus Images to Detect Glaucoma	2022	Journal of Healthcare Engineering	2022		7873300		
20.	Mariappan M.B., Devi K., Venkataraman Y., Lim M.K., Theivendren P.	Using AI and ML to predict shipment times of therapeutics, diagnostics and vaccines in e-pharmacy supply chains during COVID-19 pandemic	2022	International Journal of Logistics Management					
21.	Ashok B., Devi M.P.I., Sivaranjana P., Rajulu A.V., Ismail S.O., Mohammad F., Al-Lohedan H.A., Nagarajan R.	Nanocomposite cotton gauze cloth with in situ generated silver, copper and their binary metal nanoparticles by bioreduction method	2022	Inorganic and Nano-Metal Chemistry					

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
22.	Tippu J., Saravanasankar S., Sankaranarayana n B., Qarnain S.S.	A Framework for Analysing Energy Consumption Factors in Commercially Built Environments	2022	Journal of The Institution of Engineers (India): Series A					
23.	Yamini K.A.P., Stephy J., Suthendran K., Ravi V.	Improving routing disruption attack detection in MANETs using efficient trust establishment	2022	Transactions on Emerging Telecommunication s Technologies					
24.	Sari N.H., Setyawan P.D., Thiagamani S.M.K., Suteja, Tamimi R., Rangappa S.M., Siengchin S.	Evaluation of mechanical, thermal and morphological properties of corn husk modified pumice powder reinforced polyester composites	2022	Polymer Composites					
25.	Talib A.A.A., Jumahat A., Jawaid M., Sapiai N., Nagarajan R.	Wear properties of nanoclay modified basalt fibre composites under dry adhesive sliding, two-body abrasive, and slurry pot erosive	2022	Polymer Bulletin					
26.	Chinnaiah K., Maik V., Kannan K., Potemkin V., Grishina M., Gohulkumar M., Tiwari R., Gurushankar K.	Experimental and Theoretical Studies of Green Synthesized Cu ₂ O Nanoparticles Using Datura Metel L	2022	Journal of Fluorescence					
27.	Bazeera Ferdhous P., Aanandhalakshmi R., Ramya P., Vanavil B.	Scrutiny of Metal Ion Binding Sites in Different Alginate Lyases through In Silico Analysis	2022	Applied Biochemistry and Biotechnology	194	1		124	147

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
28.	Chandrakala V., Aruna V., Angajala G.	Review on metal nanoparticles as nanocarriers: current challenges and perspectives in drug delivery systems	2022	Emergent Materials					
29.	olecular mechanism of silver nanoparticles in human intestinal cells (2015) Nanotoxicology	pp. 852-860; Mani	S.	Balasubramanian	M.G.	Ponnu samy	P.	Vijayan	P.
30.	Niemczewska-Wójcik M., Pethuraj M., Uthayakumar M., Majid M.S.A.	Characteristics of the Surface Topography and Tribological Properties of Reinforced Aluminium Matrix Composite	2022	Materials	15	1	358		
31.	Arunkumar K., Muthukannan M., Kumar A.S., Ganesh A.C., Devi R.K.	Hybrid fibre reinforced eco-friendly geopolymer concrete made with waste wood ash: A mechanical characterization study	2022	Engineering and Applied Science Research	49	2		235	247
32.	Chinnasamy P., Deepalakshmi P., Dutta A.K., You J., Joshi G.P.	Ciphertext-policy attribute-based encryption for cloud storage: Toward data privacy and authentication in ai-enabled IoT system	2022	Mathematics	10	1	68		
33.	Ganthi L.S., Nallapaneni Y., Perumalsamy D., Mahalingam K.	Employee Attrition Prediction Using Machine Learning Algorithms	2022	Lecture Notes in Networks and Systems	288			577	596

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D. O.I	Page start	Page end
34.	Preetha Roselyn J., Raghavendran C.R., Devaraj D.	Investigation of Hybrid Fault Ride Through Control Strategies in Grid-Connected Wind Energy Conversion Systems	2022	Lecture Notes in Electrical Engineering	795			137	149
35.	Rahiman H.U., Nawaz N., Kodikal R., Hariharasudan A.	Effective information system and organisational efficiency [Skuteczny system informacyjny i efektywność organizacyjna]	2021	Polish Journal of Management Studies	24	2		398	413
36.	Murugan A., Siva V., Shameem A.S., Bahadur S.A.	Effect of Zn on nanoscale quaternary Cu ₂ ZnSnS ₄ thin film electrodes for high performance supercapacitors	2021	Journal of Energy Storage	44		103423		
37.	Usha G., Karpagalakshmi K., Ramalakshmi S., Prakash R., Lakshminarayana n P., Yang C., Selvapalam N.	Synthesis of Glycoluril using Urea Phosphate	2021	Russian Journal of Organic Chemistry	57	12		1988	1992
38.	Natesan P., Palaniappan S.M., M M., Ganesh K.M., Bhaskar Rao M.	Determination of Collimator Helmet Factors for Leksell Gamma Knife 4C Unit Using GAF Chromic EBT3 Film and ImageJ Software	2021	Asian Pacific journal of cancer prevention: APJCP	22	12		4031	4035
39.	Mayakkannan M., Murugan A., Shameem A., Siva V., Sasikumar S., Thangarasu S., Bahadur S.A.	Investigations on ternary transition metal ferrite: NiCoFe ₂ O ₄ as potential electrode for supercapacitor prepared by microwave irradiation method	2021	Journal of Energy Storage	44		103257		
40.	Jinitha C.G., Abisha P., Sonia S., Jayram N.D., Virgin Jeba S.	Structural and Surface Characteristics of CuO and Pt/CuO Nanostructured Thin Films	2021	Jordan Journal of Physics	14	5		419	424

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41.	Hariharasudan A., Kot S., Sangeetha J.	The decades of research on scm and its advancements: Comprehensive framework	2021	Acta Logistica	8	4		455	477
42.	Rajasekaran S., Muthuvel A., Kannan K., Chinnaiah K., Maik V., Gohulkumar M., Gurushankar K.	Synthesis and Characterization of Undoped and Mn-Doped Copper Oxide Nanoparticles	2021	Macromolecular Symposia	400	1	210012 2		
43.	Vijayrakesh K., Muthuvel S., Gopinath G.R., Qarnain S.S., Bathrinath S.	Experimental investigation of the performance of paraffin wax-packed floor on a solar dryer	2021	Journal of Energy Storage	43		103163		
44.	Nair P., Rathinasamy A.	Stochastic Runge–Kutta methods for multi-dimensional Itô stochastic differential algebraic equations	2021	Results in Applied Mathematics	12		100187		
45.	Vij R.K., Janani V.A., Subramanian D., Mistry C.R., Devaraj G., Pandian S.	Equilibrium, kinetic and thermodynamic studies for the removal of Reactive Red dye 120 using Hydrilla verticillata biomass: A batch and column study	2021	Environmental Technology and Innovation	24		102009		
46.	Arunkumar K., Muthukannan M., Kumar A.S., Ganesh A.C., Devi R.K.	Production of Eco-Friendly Geopolymer Concrete by using Waste Wood Ash for a Sustainable Environment	2021	Pollution	7	4		993	1006

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47.	Indumathi N., Ramalakshmi R.	An Evaluation of Work Posture and Musculoskeletal Disorder Risk Level Identification for the Fireworks Industry Worker's	2021	2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021					
48.	Selle J.J., Ulaganathan M., Pranavi A., Rani P.S.	Automated RoI Extraction and Pattern Classification of Breast Thermograms	2021	2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021					
49.	Sangeethavani B., Muthu Kannan M.	Weighted Sum Analysis (Wsa) Prioritisation of Kodavanar River Using Gis in Watershed to Rank Using Rusle for Soil Erosion and Cultivation	2021	Journal of Environmental Protection and Ecology	22	6		2574	2582
50.	Naveen P., Sivakumar P.	Human Emotions Detection using Kernel Nonlinear Collaborative Discriminant Regression Classifier: HHuman Emotions Detection using KNCDRC	2021	Proceedings - 2nd International Conference on Smart Electronics and Communication, ICOSEC 2021				1807	1812

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51.	Deny J., Nikhil T., Sudharsan R.R., Perumal B., Puneeth P., Mahesh A.V.	Facial recognition for Visually Challenged People	2021	Proceedings - 2nd International Conference on Smart Electronics and Communication, ICOSEC 2021				1735	1740
52.	Sakthimohan. M., Ruchitha P., Harshitha K.J., Tharuni B., Elizabeth Rani. G., Deny. J.	Trigonous Sheilding System for Women	2021	Proceedings of IEEE International Conference on Signal Processing,Computi ng and Control	2021- October			397	401
53.	Elizabeth Rani. G., Mohan H., Kusuma B., Kumar P.S., Jenny A.M., Akshith N.	Automatic Evaluations of Human Blood Using Deep Learning Concepts	2021	Proceedings of IEEE International Conference on Signal Processing, Computing and Control	2021- October			393	396
54.	Devaraj D., Preetha Roselyn J., Nithya C., Pranav Chandran C., Venkatesan R.	Development and Implementation of Modified Power Loss Detection Algorithm for Partial Shading in Real- time Photovoltaic System	2021	IEEJ Journal of Industry Applications	11	1		88	96
55.	Nithyaa A.N., Prem Kumar R., Gokul M., Geetha Aananthi C.	Matlab Based Potent Algorithm for Wbc Cancer Detection and Classification	2021	Biomedical and Pharmacology Journal	14	4		2277	2284

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56.	Kalaiselvi T., Padmapriya S.T., Sriramakrishnan P., Somasundaram K.	A deep learning approach for brain tumour detection system using convolutional neural networks	2021	International Journal of Dynamical Systems and Differential Equations	11	05-Jun		514	526
57.	Joseph Michael Jerard V., Thilagaraj M., Pandiaraj K., Easwaran M., Govindan P., Elamaran V.	Reconfigurable Architectures with High-Frequency Noise Suppression for Wearable ECG Devices	2021	Journal of Healthcare Engineering	2021		155264 1		
58.	Prakash J.U., Sivaprakasam P., Garip I., Juliya S.J., Elias G., Kalusuraman G., Colak I.	Wire Electrical Discharge Machining (WEDM) of Hybrid Composites (Al-Si12/B4C/Fly Ash)	2021	Journal of Nanomaterials	2021		250367 3		
59.	Kumar S.A., Pravin J.C.	Analysis of Junctionless Nanowire Transistor with Heterojunction, Metal Nitride and Dual Metal Gate	2021	Journal of Nano- and Electronic Physics	13	5		1	4
60.	Subudhi P.S., Thilagaraj M., Sundar Ganesh C.S., Diwakaran S., Naveen P., Gurusamy S., Pallikonda Rajasekaran M.	Current-Fed Bidirectional DC-DC Converter Topology for Wireless Charging System Electrical Vehicle Applications	2021	Wireless Communications and Mobile Computing	2021		114445 3		

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61.	Thilagaraj M., Dwarakanath B., Ramkumar S., Karthikeyan K., Prabhu A., Saravanakumar G., Rajasekaran M.P., Arunkumar N.	Eye Movement Signal Classification for Developing Human-Computer Interface Using Electrooculogram	2021	Journal of Healthcare Engineering	2021		790131 0		
62.	Ajithram A., Winowlin Jappes J.T., Siva I., Brintha N.C.	Experimental Investigation on Aquatic Waste Water Hyacinth (Eichhorniacrassipes) Plant into Natural Fibre Polymer Composite – Biological Waste into Commercial Product	2021	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					
63.	Senthil J., Muthukannan M., Urba Ński M., Stępień M., Kądzielawski G.	MSCA based Deep Recurrent Neural Network for Statistics Risk Management in Construction Projects	2021	Acta Montanistica Slovaca	26	3		481	497
64.	Uppala R., Muthukumaran A.	OPTIMIZATION OF MEDIA COMPONENTS AND PROCESS PARAMETERS FOR MICROBIAL MEDIATED REMEDIATION OF AZO DYES: A REVIEW	2021	Journal of Microbiology, Biotechnology and Food Sciences	11	3		1	8
65.	Arunachalam M., Raju S.	Power efficient Space Division Multiplexing–Wavelength Division Multiplexing system using multimode EDFA with elevated refractive index profile	2021	International Journal of Communication Systems					

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66.	Ajithram A., Winowlin J.J.T., Adam K.M., Brintha N.C., Waleed Fekry F.	Studies on Dry Sliding Wear and Solid Particle Erosive Wear Behaviours of Natural Fibre Composite Developed from Water Hyacinth Aquatic Plant for Automotive Application	2021	Advances in Materials Science and Engineering	2021		907870 2		
67.	PG A.K., P A.J., D D.	Hybrid CAC-DE in optimal reactive power dispatch (ORPD) for renewable energy cost reduction	2022	Sustainable Computing: Informatics and Systems	35		100688		
68.	Kannan K., Radhika D., Kasai R.D., Gnanasangeetha D., Palani G., Gurushankar K., Koutavarapu R., Lee D.-Y., Shim J.	Facile fabrication of novel ceria-based nanocomposite (CYO-CSO) via co-precipitation: Electrochemical, photocatalytic and antibacterial performances	2022	Journal of Molecular Structure	1256		132519		
69.	Jeyabharathi S., Naveenkumar S., Chandramohan S., Venkateshan N., Gawwad M.R.A., Elshikh M.S., Rasheed R.A., Al Farraj D.A., Muthukumaran A.	Biological synthesis of zinc oxide nanoparticles from the plant extract, Wattakaka volubilis showed anti-microbial and anti-hyperglycemic effects	2022	Journal of King Saud University - Science	34	3	101881		
70.	Durairaj D., Wróblewski Ł., Sheela A., Hariharasudan A., Urbański M.	Random forest based power sustainability and cost optimization in smart grid	2022	Production Engineering Archives	28	1		82	92

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71.	Lakshminarayana n S., Kumaresan M., Jeyasingh V., Selvapalam N., Piramuthu L., Dass G.	Colorimetric and selective turn-on fluorescent sensor for cyanide via aggregation-induced enhanced emission (AIEE)	2022	Chemical Papers	76	3		1891	1898
72.	Sangeetha J., Mohan S., Hariharasudan A., Kannan R.	An Analysis of Linguistic Discourses and Literary Techniques in Meena Kandasamy's Select Works	2022	Theory and Practice in Language Studies	12	2		342	347
73.	Priyadharshini P., Mohan S., Sangeetha J., Kannan R.	Feminism: An Exploration of Pragmatics of Women Lives in Namita Gokhale's Works	2022	Theory and Practice in Language Studies	12	2		395	399
74.	Tamilvanan K., Alqahtani R.T., Mohiuddine S.A.	Stability Results of Mixed Type Quadratic-Additive Functional Equation in β -Banach Modules by Using Fixed-Point Technique	2022	Mathematics	10	3	493		
75.	Srivani V., Hariharasudan A., Nawaz N., Ratajczak S.	Impact of Education 4.0 among engineering students for learning English language	2022	PLoS ONE	17	02-Feb	e0261717		
76.	Ram H.S., Uthayakumar M., Kumar S.S., Kumaran S.T., Azzopardi B., Korniejenko K.	Prediction of Kerf Width and Surface Roughness of Al6351 Based Composite in Wire-Cut Electric Discharge Machining Using Mathematical Modelling	2022	Materials	15	3	1102		

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77.	Sridhar S., Amutharaj J., Valsalan P., Arthi B., Ramkumar S., Mathupriya S., Rajendran T., Waji Y.A.	A Torn ACL Mapping in Knee MRI Images Using Deep Convolution Neural Network with Inception-v3	2022	Journal of healthcare engineering	2022			7872 500	
78.	Ajithram A., Winowlin Jappes J.T., Khan M.A., Brintha N.C.	Evaluation of mechanical properties and thermal characteristics of aquatic waste water hyacinth (Eichhornia crassipes) plant into natural powder and ash reinforced polymer composites for lightweight applications	2022	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					
79.	Balamurugan K., Pavan M.V., Balamurugan P.	Wear parametric analysis on PLA/Cu filament samples printed using fused filament extrusion by response surface method	2022	Progress in Additive Manufacturing					
80.	Kesavan M.B., Ramkumar S., Kartheeswaran S., Lavakumar V., Elanjiam G., Priya B.S., Thamaraiselvi G.	A scientometric study on components of Soft Computing methods from 1999 to 2019 for top most populated countries from Asian Continent	2022	Applied Nanoscience (Switzerland)					
81.	Arivendan A., Jebas Thangiah W.J., Irulappasamy S., N Chrish B.	Study on characterization of water hyacinth (Eichhornia crassipes) novel natural fiber as reinforcement with epoxy polymer matrix material for lightweight applications	2022	Journal of Industrial Textiles					
82.	Jahangeer G.S.B., Thambidurai D.R.	Detecting breast cancer using novel mask R-CNN techniques	2022	Expert Systems					

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83.	Keerthiveetil Ramakrishnan S., Vijayananth K., Pudhupalayam Muthukutti G., Spatenka P., Arivendan A., Ganesan S.P.	The effect of various composite and operating parameters in wear properties of epoxy-based natural fiber composites	2022	Journal of Material Cycles and Waste Management					
84.	Rashedi A., Marzouki R., Raza A., Ali K., Olaiya N.G., Kalimuthu M.	Glass FRP-Reinforced Geopolymer Based Columns Comprising Hybrid Fibres: Testing and FEA Modelling	2022	Polymers	14	2	324		
85.	Jayakumar T., Rubavathy S.J., Karpagam R., Diwakaran S., Jayadhas S.A., Ahamed M., Sureshkumar S.	Experimental Analysis of the Thermal Performance of a Latent Heat Energy of Helical Coil for the Application of Solar Energy	2022	International Journal of Photoenergy	2022		706594 0		
86.	Palanisamy S., Mayandi K., Dharmalingam S., Rajini N., Santulli C., Mohammad F., Al-Lohedan H.A.	Tensile Properties and Fracture Morphology of Acacia Caesia Bark Fibers Treated with Different Alkali Concentrations	2022	Journal of Natural Fibers					
87.	Prem Raja D., Vasudevan V.	Communication of Autonomous Vehicles in Road Accidents for Emergency Help in Healthcare Industries	2022	Journal of Healthcare Engineering	2022		250683 0		

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88.	Nagaraj P., Deepalakshmi P.	An intelligent fuzzy inference rule-based expert recommendation system for predictive diabetes diagnosis	2022	International Journal of Imaging Systems and Technology					
89.	Anandha Jothi M, Vanitha D, Sundaramahalingam K, Nallamuthu N	Cornstarch/polyvinylpyrrolidone based proton conducting biocompatible polymer blend electrolyte for long life battery	2022	Ionics					
90.	Shanmugapriya V., Bharathi S., Esakkinaveen D., Arunpandiyan S., Selvakumar B., Sasikala G., Jayavel R., Arivarasan A.	Structural, Optical, and Magnetic Properties of Gd Doped CdTe Quantum Dots for Magnetic Imaging Applications	2022	ECS Journal of Solid State Science and Technology	11	1	13010		
91.	Baby Shalini V.	Global Positioning System (GPS) and Internet of Things (IOT) Based Vehicle Tracking System	2022	Lecture Notes in Networks and Systems	336			481	492
92.	Ramuthai M., Jeyavijayan S., Premkumar R., Priya M.U., Jayram N.D.	Structure, Spectroscopic Investigation, Molecular Docking and In vitro Cytotoxicity Studies on 4,7-dihydroxycoumarin: A Breast Cancer Drug	2022	Journal of Computational Biophysics and Chemistry					
93.	Chew J.V.L., Sulaiman J., Sunarto A., Pradeepkandhasamy J.	Application and efficiency evaluation of 4-point Newton Explicit Group to solve 2D porous medium equation	2022	International Journal of Mathematics and Computer Science	17	1		499	508

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94.	RajKumar M., Arunpandian M., Leeladevi K., Veemaraj T., Arunachalam S.	Construction of novel Bi ₂ MoO ₆ @V ₂ O ₅ nanocomposite as visible-light-driven catalyst for degradation of methylene blue dye	2022	Journal of Materials Science: Materials in Electronics					
95.	Lakshmi A., Rajasekaran M.P., Jeevitha S., Selvendran S.	An Adaptive MRI-PET Image Fusion Model Based on Deep Residual Learning and Self-Adaptive Total Variation	2022	Arabian Journal for Science and Engineering					
96.	Pustokhin D.A., Pustokhina I.V., Ilayaraja M., Shankar K.	Fuzzy with Gravitational Search Algorithm Tuned Radial Basis Function Network for Medical Disease Diagnosis and Classification Model	2022	Studies in Fuzziness and Soft Computing	413			41	55
97.	Jahangeer G.S.B., Rajkumar T.D.	Cloud storage based diagnosis of breast cancer using novel transfer learning with multi-layer perceptron	2022	International Journal of Systems Assurance Engineering and Management					
98.	Kaliammal R., Parvathy G., Ravi G., Kumar V.M., Kumar M.K., Sudhahar S.	Crystal growth and characterization of 2-amino-6-methylpyridinium p-chlorobenzoate dihydrate single crystal: a novel third-order nonlinear optical material for optoelectronic applications	2022	Journal of Materials Science: Materials in Electronics					
99.	Vanavil B., Ezhilarasi P., Aanandhalakshmi R., Gowtham P.S., Sundar K.	Seaweed Bioprocessing for Production of Biofuels and Biochemicals	2022	Energy, Environment, and Sustainability				345	380

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101.	Ganesh A.C., Mukilan K., Srikar B.P.V., Teja L.V.S., Prasad K.S.V., Kumar A.A., Sharath R.P.	Effect of Flyash-Rice Husk Ash Blend in the Energy Efficient Geopolymer Tiles Using Industrial Wastes	2022	Materials Science Forum	1048 MSF			403	411
102.	Arun Kumar K., Muthukannan M., Raja Abinaya R., Suresh Kumar A.	Structural Behaviour of Green Geopolymer Concrete Beams and Columns Made with Waste Wood Ash a Partial Substitution Binder	2022	Materials Science Forum	1048 MSF			333	344
103.	Suresh Kumar A., Muthukannan M., Irene A.D.K.B., Arunkumar K., Chithambar G.A.	Flexural Behaviour of Reinforced Geopolymer Concrete incorporated with Hazardous Heavy Metal Waste Ash and Glass Powder	2022	Materials Science Forum	1048 MSF			345	358
104.	Suresh Kumar A., Muthukannan M., Kanniga Devi R., Arunkumar K., Chithambar Ganesh A.	Improving the Performance of Structural Members by Incorporating Incinerated Bio-Medical Waste Ash in Reinforced Geopolymer Concrete	2022	Materials Science Forum	1048 MSF			321	332
105.	Pattabiraman K., Kameswari M., Seenivasan M.	Generalized Version of ISI Invariant for Some Molecular Structures	2022	Materials Science Forum	1048 MSF			221	226

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107.	Srinivasan S., Deepalakshmi P.	Malware Multi Perspective Analytics with Auto Deduction in Cybersecurity	2021	Proceedings of the 5th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2021				1627	1630
108.	Subhashini S.J., Alli P.K., Ganesan V.C., Stalin B., Vairamuthu J., Angelina J.J.R.	FAULT-TOLERANT CROSS LAYER SCHEME USING VIRTUAL CLUSTER HEAD FOR HETEROGENEOUS SENSOR NETWORKS	2021	Comptes Rendus de L'Academie Bulgare des Sciences	74	11		1657	1666
109.	Arunprasath K., Amuthakkannan P., Manikandan V., Kavitha S., Radhkrishnan B.	STUDY OF MECHANICAL PROPERTIES OF COPPER SLAG REINFORCED PARTICULATE POLYMER COMPOSITE	2021	Materials Physics and Mechanics	47	6		896	904
110.	Madaselvi R., Sivakumar R., Pandian M.A., Arunachalam S.	Structural analysis of surprisingly formed CuII cubane through the specific cleavage of >C=N- and >C-S- of a Schiff base ligand and its biological activities	2021	Materials Today: Proceedings	49			1723	1729

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112.	Sadiqbasha P., Sivakumar R., Arunpandian M., Ramalingan C., Gopi D., Arunachalam S.	Preparation and characterization of caprine bone derived mineral substituted hydroxyapatite/phyllanthus acidus extract for biomedical applications	2021	Materials Today: Proceedings	49			1730	1736
113.	Pothinathan S.K.M., Kumar P., Arunachelam N., Gnanaraj S.C.	Effect of PCB as partial replacement of fine aggregate and coarse aggregate in concrete	2021	Materials Today: Proceedings	49			2369	2373
114.	Indumathi N., Ramalakshmi R.	An Evaluation of Work Posture and Musculoskeletal Disorder Risk Level Identification for the Fireworks Industry Worker's	2021	2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021					
115.	Selle J.J., Ulaganathan M., Pranavi A., Rani P.S.	Automated Roi Extraction and Pattern Classification of Breast Thermograms	2021	2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021					

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117.	Jeyaranjani J., Devaraj D.	Improved genetic algorithm for optimal demand response in smart grid	2022	Sustainable Computing: Informatics and Systems	35		100710		
118.	Ramkumar M., Lakshmi A., Pallikonda Rajasekaran M., Manjunathan A.	Multiscale Laplacian graph kernel features combined with tree deep convolutional neural network for the detection of ECG arrhythmia	2022	Biomedical Signal Processing and Control	76		103639		
119.	Nair A., V S., Revathy M.S., Jayram N.D.	Prediction of size, precursor ratio and monodispersity of silica nanospheres through adaptive neuro-fuzzy inference system	2022	Chemical Physics Impact	4		100042		
120.	Nagarajan R., Subramanian K., Subramaniam S.S., Krishnasamy S., Siengchin S., Sukumaran J.	A Novel Signal Processing Method for Friction and Sliding Wear	2022	Journal of Tribology	144	5	51702		
121.	Veerachamy R., Ramar R., Balaji S., Sharmila L.	Autonomous Application Controls on Smart Irrigation	2022	Computers and Electrical Engineering	100		107855		
122.	Jeyavijayan S., Ramuthai M., Murugan P.	Quantum Chemical Investigation of 1-Aminohomopiperidine in Treatment of Breast Cancer Based on Molecular Docking Strategy	2022	Asian Journal of Chemistry	34	4		879	888

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124.	Sankaranarayana n B., Ali S.M., Sivageerthi T., Karuppiah K.	Modelling the Relationships among the Key Factors Affecting the Performance of Coal-Fired Thermal Power Plants: Implications for Achieving Clean Energy	2022	Sustainability (Switzerland)	14	6	3588		
125.	Jayajothilakshmi V., Mohan S., Kannan R.	Counterfeit Reality of Egalitarianism With Reference to Manju Kapur's Brothers	2022	Theory and Practice in Language Studies	12	3		447	455
126.	Sasikumar P., Revathy M.S., Nithiyanantham S.	Cd(OH) ₂ and CdO: structural, optical, electron density distribution analysis with antibacterial assay	2022	European Physical Journal Plus	137	3	294		
127.	Ramachandran V., Ramalakshmi R., Kavin B.P., Hussain I., Almaliki A.H., Almaliki A.A., Elnaggar A.Y., Hussein E.E.	Exploiting IoT and Its Enabled Technologies for Irrigation Needs in Agriculture	2022	Water (Switzerland)	14	5	719		
128.	Sundararajan G., Perumalsamy D.	Proactive Routing Mechanism for Removing Far Sensor in IoT using A Design of B * Index	2022	International Journal of Sensors, Wireless Communications and Control	12	2		132	141

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130.	Velmurugan K., Saravanasankar S., Bathrinath S.	Smart maintenance management approach: Critical review of present practices and future trends in SMEs 4.0	2022	Materials Today: Proceedings					
131.	Karthigadevi K., Srinivasagan G.	Study of Agricultural Analysis of Soil using Random Forest Classification in Tirunelveli District	2022	Indian Journal of Environmental Protection	42	1		52	58
132.	Prabhu A., Sudha V., Pachamuthu M.P., Sundaravel B., Bellucci S.	Ultrasonic Synthesis of Al-SBA-15 Nanoporous Catalyst for t- Butylation of Ethylbenzene	2022	Journal of Nanomaterials	2022		251222 3		
133.	Ajithram A., Winowlin Jappes J.T., Siva I., Brintha N.C.	Utilizing the aquatic waste and investigation on water hyacinth (Eichhornia crassipes) natural plant in to the fibre composite: Waste recycling	2022	Materials Today: Proceedings					
134.	Selvi K.K., Dhanalakshmi K.S., Kanagarajan K.	Performance Estimation of Recessed Modified Junctionless Multigate Transistor	2022	Journal of Nano- and Electronic Physics	14	1	1008		
135.	Gladis E.H.E., Nagashri K., Anisha M., Joseph J.	Abnormal synergistic behavior of metal chelates of 1,10-phenanthroline scaffold for enhancing hydrogen evolution from water	2022	International Journal of Hydrogen Energy					

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137.	Thavarani M., Robert M.C., Prasath S.B., Pavithra N., Saravanan R., Saravanakumar S.	Room Temperature Magnetism and Experimental Electron Density Analysis of Co ²⁺ Doped ZnFe ₂ O ₄ Spinel Nanoferrites	2022	Journal of Electronic Materials					
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140.	Relangi N., Ingenito A., Jeyakumar S.	The investigation of inclined AFT wall cavities in a circular scramjet combustor	2022	International Journal of Engine Research					
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142.	Jose A.S., Athijayamani A., Jani S.P., Stalany V.M., Khan M.A.	INVESTIGATIONS ON MECHANICAL PROPERTIES OF BIO-WASTE MICRO PARTICLES REINFORCED PHENOL FORMALDEHYDE COMPOSITES	2022	Archives of Metallurgy and Materials	67	1		377	384

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148.	Suresh Kumar A., Muthukannan M., Arun Kumar K., Chithambar Ganesh A., Kanniga Devi R.	Influence of incinerated biomedical waste ash and waste glass powder on the mechanical and flexural properties of reinforced geopolymer concrete	2022	Australian Journal of Structural Engineering					

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153.	argeting integrins with RGD-conjugated gold nanoparticles in radiotherapy decreases the invasive activity of breast cancer cells (2017) Int J Nanomedicine	pp. 5069-5085.	https://doi.org/10.2147/IJN.S137833 ; Xiao	K.	Suby	N.	Li	Y.	Lam
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177.	Manikandan P., Thenmozhi A., Ramesh G., Naidu T.R.K., Reddy K.V., Reddy K.B.K.	Crops Protection System from Animals using Arduino	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021				682	685
178.	Manikandan P., Kanna S.M., Reddy S.D.K., Subhash S.	Water Quality Identification System Using Arduino	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021				704	708

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181.	Vigneshwari N., Vasagaraj U., Velmurugan N., Sivasubramanian C., Arun Prasath T., Sriram S.	Low-Frequency Ultrasound Therapeutic Device for Soft Tissue Healing	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021				1027	1030

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183.	Baranitharan B., Sivapragasam C., Rajesh K.	Energy Demand Prediction Considering Weather Change Effects using Artificial Neural Network	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021				916	921
184.	Manikandan P., Tirupathi Rao M., Vinay M., David Ratna Raj K.	Arduino Based Automatic Hand Sanitizer Dispenser System	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021				744	747
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212.	Jagan S., Neelakantan T.R., Kannan R.G.	Mechanical and durability properties of the concrete with copper slag	2021	Revista de la Construcción	20	2		359	370

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