

FACULTY PUBLICATIONS 2021-22

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	Dr. Jose Anand	Analysis of Dynamic Interference Constraints in Cognitive Radio Cloud Networks	International Journal of Advanced Research in Science, Communication and Technology	Jun-21	https://doi.org/10.48175/IJAR SCT-1484	Scopus
2	Dr. Deepa Jose	Effect of Sanitizer on obliteration of SARS-CoV2/COVID 19: A mini review	Materials Today: Proceedings	Jul-21	https://doi.org/10.1016/j.matpr.2021.07.026	Scopus
3	Dr. Jose Anand	Optimal Routing Path using Trident Form in Wearable Biomedical Wireless Sensor Networks	Turkish Online Journal of Qualitative Inquiry	Jul-21	https://www.tojqi.net/index.php/journal/article/view/4591	Scopus
4	Dr. Deepa Jose	Sizing of Wireless Networks with Sensors for Smart Houses with Coverage, Capacity, and Interference Restrictions	Lecture Notes in Networks and Systems	Sep-21	https://doi.org/10.1007/978-981-16-2919-8_26	Scopus
5	Dr. Jose Anand	Solar Grass Cutter with Water Spraying Vehicle	International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation	Oct-21	10.1109/ICAECA52838.2021	Scopus
6	Dr. Kavitha Balamurugan	Fabrication of wearable piezoresistive strain sensors using graphene and its nanocomposites	Spast Conference Series	Oct-21	https://spast.org/techrep/article/view/2062	Scopus
7	Dr. Jose Anand	IoT Based Smart Electrolytic Bottle Monitoring	Advances in Parallel Computing Technologies and Applications	Nov-21	10.3233/APC210143	Scopus
8	Dr. V. Balaji	An Automated Framework to Segment and Classify Gliomas Using Efficient Shuffled Complex Evolution Convolutional Neural Network	Journal of Medical Imaging and Health Informatics	Nov-21	https://doi.org/10.1166/jmihi.2021.3868	Scopus
9	Dr. C. Clement Raj	Design of Solar Charging Case for Mobile Phones	IOP Journal of Physics: Conference Series	Nov-21	10.1088/1742-596/2040/1/012031	Scopus
10	Ms. Jaraline Kirubavathy	Voice controlled shopping trolley navigation with RFID scanner and live billing using IoT	Journal of Physics: Conference Series	Nov-21	10.1088/1742-596/2040/1/012035	Scopus

FACULTY PUBLICATIONS 2021-22

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
11	Ms. Saranya	Footstep Power Generating System	Advances in Parallel Computing Technologies and Applications	Nov-21	DOI:10.3233/APC210122	Scopus
12	Dr. Jose Anand	Smart Wearable System to Assist Asthima Patients	Advances in Parallel Computing Technologies and Applications	Nov-21	Doi:10.3233/APC210143	Scopus
13	Dr. Deepa Jose	Battery energy storage systems (bess) state of the art	IOP Conference Series: Materials Science and Engineering	Dec-21	DOI: 10.1088/1757-899X/1091/1/012001	Scopus
14	Dr. Deepa Jose	Internet Of Things and It's Application In Industry 4.0 For Smart Waste Management	Journal of Environmental Protection and Ecology	Dec-21	DOI:10.3233/APC210164	Scopus
15	Dr. Jose Anand	Smartphone Controlled Fingerprint Door Lock System (SCFDLS)	Advances in Parallel Computing Technologies and Applications	Dec-21	Doi:10.3233/APC210164	Scopus
16	Dr. Jose Anand	SEC-UR-BIKE	International Journal of Mechanical Engineering	Dec-21	https://kalaharijournals.com/resources/DEC_303.pdf	Scopus
17	Dr. Jose Anand	Lung Cancer Detection using VGG NET 16 Architecture	Journal of Physics Conference Series	Dec-21	https://dx.doi.org/10.1088/1742-6596/2040/1/012001	Scopus
18	Dr. V. Balaji	New approach to optimize groundwater usage using multi-criteria decision-making techniques	Journal of Physics: Conference Series	Dec-21	DOI 10.1088/1742-6596/2027/1/012024	Scopus
19	Mr. Sadasivam S	Design of Rectangular shape Meta-Material Antenna for C band applications	Emerging Trends in Industry 4.0	Dec-21	DOI: 10.1109/ETI4.051663.2021.9619431	Scopus
20	Dr. Deepa Jose	Machine Learning-Based Secure Data Acquisition for Fake Accounts Detection in Future Mobile Communication Networks	Wireless Communications and Mobile Computing	Jan-22	https://doi.org/10.1155/2022/6356152	Scopus
21	Dr. Deepa Jose	IoT Framework for Measurement and Precision Agriculture: Predicting the Crop Using Machine Learning Algorithms	Technologies	Jan-22	https://doi.org/10.3390/technologies10010013	SCI

FACULTY PUBLICATIONS 2021-22

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
22	Dr.Deepa Jose	Machine Learning Based and Reconfigurable Architecture with a Countermeasure for Side Channel Attacks	Lecture Notes in Networks and Systems	Jan-22	https://doi.org/10.1007/978-981-16-5529-6_14	Scopus
23	Dr.Thulasi Bai V	Design and implementation of intelligent patient in-house monitoring system based on efficient XGBoost-CNN approach	Cognitive Neurodynamics	Jan-22	10.1007/s11571-021-09754-2	SCI
24	Dr.Jose Anand	Solar Power Forecasting Using Long Short-Term Memory Algorithm in Tamil Nadu State	Emerging Technologies for Sustainable and Smart Energy	Feb-22	–	Scopus
25	Dr.Deepa Jose	Dynamic Key Generation Mechanism to Strengthen the Data Security	International Carnahan Conference on Security Technology	Feb-22	10.1109/ICCST49569.2021.9717370	Scopus
26	Dr.Thulasi Bai V & Ms. Jaraline Kirubavathy	Rainfall prediction through TRMM dataset using machine learning model	AIP Conference Proceedings	Mar-22	https://doi.org/10.1063/5.0078271	Scopus
27	Dr.Nirmala Devi K	Exam Assistant Robot	AIP Conference Proceedings	Mar-22	https://doi.org/10.1063/5.0078269	Scopus
28	Dr.Nirmala Devi K	PIBOT - A Programmable Assistant	AIP Conference Proceedings	Mar-22	https://doi.org/10.1063/5.0078448	Scopus
29	Dr.Thulasi Bai V	Wireless IoT and Cyber-Physical System for Health Monitoring Using Honey Badger Optimized Least-Squares Support-Vector Machine	Wireless Personal Communications	Mar-22	10.1007/s11277-022-09500-9	SCI
30	Dr.Deepa Jose	Smart driving license system in RTO using IoT technology	AIP Conference Proceedings	Mar-22	https://doi.org/10.1063/5.0078325	Scopus
31	Dr.Deepa Jose	Effective Plant Leaf Disease Detection for Farmers	Emergent Converging Technologies and Biomedical Systems	Mar-22	https://doi.org/10.1007/978-981-16-8774-7_24	Scopus

FACULTY PUBLICATIONS 2021-22

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
32	Dr.Deepa Jose	Effective Heart Disease Classification for Telehealth Systems	Emergent Converging Technologies and Biomedical Systems	Mar-22	https://doi.org/10.1007/978-981-16-8774-7_23	Scopus
33	Dr.Deepa Jose	FPGA Implementation of Elliptic Curve Point Multiplication Over Galois Field	Mobile Radio Communications and 5G Networks	Mar-22	https://doi.org/10.1007/978-3-642-02617-1_63	Scopus
34	Dr.Jose Anand	Processing techniques for sensor materials; A review	Materials Today: Proceedings	Apr-22	doi.org/10.1016/j.matpr.2021.12.597	Scopus
35	Mr. Sadasivam S	Comparison of FR4 and Roger substrates in multiband two-slot rectangular patch antenna for 5G applications	Materials Today: Proceedings	Apr-22	10.1016/j.matpr.2021.12.600	Scopus
36	Dr.Jose Anand	IoT-Based Water Quality Monitoring System Using Cloud for Agriculture Use	Cloud and Fog Computing Platforms for Internet of Things	Apr-22	10.1201/9781003213888-14	Scopus
37	Dr.Jose Anand	Sensor based posture detection system	Materials Today: Proceedings	Apr-22	10.1201/9781003213888-14	Scopus
38	Dr.Deepa Jose	Economic study and energy analysis of a thermal power plant for the generation of biodiesel	Materials Today: Proceedings	May-22	https://doi.org/10.1016/j.matpr.2021.12.598	Scopus
39	Dr.Jose Anand	Big Data for Personalized Healthcare	Handbook of Intelligent Healthcare Analytics: Knowledge Engineering with Big Data Analytics	May-22	https://doi.org/10.1002/9781119792550.ch4	Scopus
40	Dr.Jose Anand	Cloud-Based Glaucoma Diagnosis in Medical Imaging Using Machine Learning	Artificial Intelligence for Innovative Healthcare Informatics	May-22	doi.org/10.1007/978-3-030-96569-3_3	Scopus