

Department of S&H

Webinar attended

Dr. V. Banupriya attended “National Intellectual Property Awareness Mission” Intellectual Property Office on 11.11.2022

Dr. R.C. Thivayarathi attended “Universal Human Values I” RMK Engineering College from 19.9.22 to 21.9.22

Dr. S. Jothilakshmi attended “Universal Human Values II” RMK Engineering College from 16.9.22 to 17.9.22

Ms.M. Ida attended “Six-Day Virtual Programme on Changing Perceptions of Childhood and Children's Literature” AIFEST09 - 14 OCTOBER 2022

Conference Attended

Ms.N.Jayanthi Paper presented a paper on “Influence of Fibers in Hybrid Polymer Composites fabricated by Hand lay-up Method” International conference on Robotics,intelligent automation and control, Sri Krishna College of Engineering and Technology on 14.10.2022

Ms.N.Jayanthi Paper presented a paper on “Development of Novel Environmental Proficient Hybrid Compositesbased on Marble Dust and Poultr's Eggshell” International Conference on Recent Advances in Materials and Manufacturig, Velalar College of Engineering and Techology, Erode on 8th &9th December

JOURNAL PUBLICATIONS

Dr. K.A. SELVAKUMARAN “Certain Geometric Properties of the Canonical Weierstrass product of an entire function associated with comic domains”Journal of function spaces June2022

Dr. K.A. SELVAKUMARAN “Pathway Fractional Integral Formulae involving Extended Bessel - Maitland Function in the kernel Advances in mathematical modelling”, Applied analysis and computation415October2022

Dr. GEETHA BALACHANDAR “A New Theoretical Investigation of the Generalized Formulations of Spirallike Functions” Mathematical Problems in Engineering June2022

Mr. LEO AMALRAJ J “Summation and exact type solutions for certain type of fractional order difference equations using multi-step delta operator” AIP CONFERENCE PROCEEDINGSSEPTEMBER 2022

Mr. LEO AMALRAJ J, “Global stability, Periodicity and bifurcation analysis of a difference equation” AIP ADVANCESJANUARY2023

Dr. HEMA P “Robust soft sensor systems for industry: Evaluated through real-time case study” Measurement-SensorsOctober 2022

Dr. P.Hema “Complexity and Monitoring of Economic Operations Using a Game-Theoretic Model for Cloud Computing” SYSTEMSJJanuary 2023

Dr. DEVI G “EMI Shielding of cobalt,red onion husk biochar and carbon short fiber-PVA Composite on X and Ku band frequencies” Polymer Composites43September 2022

Dr. DEVI G "Role of carbonaceous fillers in electromagnetic interference shielding behaviour of polymeric composites: A review" Polymer Composites 43 September 2022

Dr. DEVI G "Performance of solar panels covered with colour glass sheets when subjected to different irradiance values of electromagnetic spectrum" Optical Materials 133 November 2022

Dr. DEVI G "Performance of a PV module with poly methyl methacrylate filter" Materials Today: Proceedings 68 September 2022

Dr. DEVI G "Improving the performance of grid connected wind generator with a PI control scheme based on the metaheuristic golden eagle optimization algorithm" Electric Power Systems Research November 2022

Dr. DEVI G "Assessment of Flicker Emission in a Grid Connected Wind Farms" Journal of Electrical Engineering & Technology January 2023

Mr. SUNDARESWARAN T "Synthesis, spectral characterization, DFT-computational analyses on Novel 4-nitrobenzenaminium benzenesulfonate (4NBASA) crystal, "Journal of Molecular Structure 1266 October 2022

Ms. JAYANTHI N "A review on the performance of oscillating heat pipe used in battery cooling" Environmental Quality Management, January 2023

Ms. JAYALAKSHMI V "Understanding the Neuro Linguistic Technique of Communicative English Language from the Learner's Aspect" Central European Management Journal, 3 (2022) February 2023

Dr. JUZTIN Z "THE IMPACT OF EFFECTIVE READING STRATEGIES ON THE L2 LEARNERS" International Journal of Early Childhood Special Education, August 2022

Dr. VASUKIDEVI G "Audio Segmentation Techniques and Applications Based on Deep Learning" Scientific Programming, August 2022

Dr. VASUKIDEVI G "A Real- Time Machine learning based cloud computing Architecture for Smart Manufacturing Proceedings " - International Conference on Applied Artificial Intelligence and Computing, June 2022

Mr. HARIHARAN N "IC Pattern Based Power Factor Maximization Model for Improved Power Stabilization" Intelligent Automation & Soft Computing, 36 September 2022

Dr. NAGESWARI D "Cuckoo search assisted fuzzy logic algorithm for smart WSN routing system" International Journal of Ad Hoc and Ubiquitous Computing, 40 June 2022

Dr. NAGESWARI D "Automated Machine Learning-Based Gestational Monitoring Framework in Wearable Internet of Things Environment" Proceedings of Second International Conference in Mechanical and Energy Technology, Smart Innovation, Systems and Technologies, 290 June 2022

Patent Details

S.No	Name of the Inventor (S) with Designation	Title of Invention	Date of Filing/Grant	Application No.	Date of publication & Patent Number	Status	Dept	Academic Year	Year	Individuals Patent/College Patent
1	Dr.S.Rekha/ ASP,S.Jothilakshmi/AP, S.Absara FDO/AP	Cetrimide stabilizer for ecofriendly electroless copper plating baths	08.09.2022	202241051454	16.09.22	Published	S&H	2022-2023	2022	Individual patent
2	Dr. K.A.SELVAKUMARAN,Mr. J LEO AMALRAJ,Dr. P HEMA,	: IMPLEMENTATION OF NEURAL NETWORK METHODS IN SOLVING ADVANCED MATHEMATICS EQUATIONS	29.12.22	202241076963 A	6.1.23	published	S&H	2022-2023	2022	COLLEGE PATENT

Awards

Dr. S. Jothilakshmi received Global Teacher Award from AKS Education Award on 06.11.22