

Department of S&H

Webinar attended- 2021-2022

Dr. Geetha Balachandar attended webinar "Awareness on National Digital Library of India,"NDLI Club of RMKCET on 15.06.2021

Dr. Geetha Balachandar attended webinar "Stress Management for teachers during pandemic Apollo Hospitals" on 07.07.2021

Dr. Geetha Balachandar attended webinar "Roadmap for Quality Research,"RMKCET on 20.07.2021

Dr. Geetha Balachandar attended webinar "National Webinar on Holistic and Multidisciplinary education as the part of Completion of the 1 year of Transformative reforms under NEP-2020"RMKCET from 02.08.2021 to 10.08.2021

Dr. S. M.Chitra attended Webinar "Topology and Nano Topology" Hindusthan College of Engineering & Technology, Coimbatore on 31.8.2021

Dr.P. Hema attended Webinar "Awareness on National Digital Library of India" NDLI Club of RMKCET on 15.06.2021

Dr.P. Hema attended webinar "Recent advances in Statistics" GITAM on 29.06.2021

Dr.P. Hema attended Webinar "Operations research and its applications" The Oxford College of Engineering on 30.06.2021

Dr.P. Hema attended Webinar "STATISTICS IN RESEARCH DATA ANALYSIS" Noorul Islam Centre for Higher education on 28.06.2021

Dr.P. Hema attended webinar "Career Opportunity for Mathematician Post Covid-19" Rathinam college of Arts and Science on 10.07.2021

Ms. V. Banupriya attended AICTE Sponsored QIP Short term course "Numerical Linear Algebra in Applications to Data Sciences" Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram from 7/3/2022 to 12/3/2022

Ms. V. Banupriya attended webinar "Awareness on National Digital Library of India,"NDLI Club of RMKCET on 15.06.2021

Dr. R.C. Thivayarathi attended webinar "Awareness on National Digital Library of India NDLI Club" of RMKCET on 15.06.2021

Dr. R.C. Thivayarathi attended webinar "Essentials of Mathematics for Machine Learning" Government Arts College, Udthagamandalam on 6.8.2021

Dr. R.C. Thivayarathi attended webinar "Discrete Mathematics and its Applications" PG & Research department, Loyola college on 15.9.2021

Ms. A. K. Arulmozhi attended webinar "National Level webinar on Space, Number and Symmetry" Guru Nanak College (Autonomous) Chennai on 19.08.2021

Ms. Lalitha attended (AICTE-ISTE Sponsored) "Design of Sensor Based Systems and Exploration of IPR" Sri Manakula Vinayagar Engineering College, Puducherry from 28/1/22 to 3/2/22

Mr. T. Sundareswaran attended webinar “Prospectives of Thermoelectric Materials”
C.Kandaswami Naidu College for Men, Chennai on 11.09.21

Ms.N.Jayanthi attended Webinar”Nanomaterials for Biomedical Applications” University of
Madras from 14.8.2021

Dr. SU. Narmathaattendedwebinar “Awareness on National Digital Library of India” NDLI Club
of RMKCET on 15.06.2021

Dr. K. Sudhakar attended webinar“Synthetic Methods of Nano Particles And Their Interesting
Properties” MgvC Arts, Commerce And Science College, Muddebihal on 04-08-2021

Dr. N. Saikumari attended webinar “Excellence of Women in the field of Science and
Technology”, Sathyabhama Institute of Science and Technology from 13-9-21' to 23-9-21'

Dr. N. Saikumari attended webinar “Introduction to Powder X-Ray Diffraction and its Application
in Material Science” KLE Dr. M. S. Sheshgiri College of Engineering and Technology,
Belagavi on 28-07-21'

Ms. V. Jayalakshmi attended webinar “Pre & Post Covid Stress and Anxiety: Means and
Methods” SRM Institute of Science and Technology on 16.06.2021

Ms. V. Jayalakshmi attended webinar “Gender Sensitisation” K. J. Somaiya College of Science
and Commerce, Mumbai on 13-08-2021

Ms.M. Ida attended webinar “Roadmap for Quality Research” RMKCET on 20.07.2021

Dr. Justin attended webinar “How to make online learning stress free by reducing screen time”
The British Council, Chennai on 05-09-2021

Dr. Justin attended webinar “English for Specific Purposes World English Language Learners”,
Teachers and Trainers Association on 16.09.2021

Ms. G. Vasukidevi attended webinar “Pre & Post Covid Stress and Anxiety: Means and Methods”
SRM Institute of Science and Technology on 16.06.2021

Ms. G. Vasukidevi attended webinar “Emerging Business Trends Driven by Covid-19” Jayaraj
Annappaikiam College for Women, Periyakulam on 10.9.2021

Ms. S. Vishnupriya attended webinar "IEEE Authorship and open access symposium" IEEE
Advancing Technology of Humanity/Online on 26-8-2021.

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Conference attended- 2021-2022

Dr.S.M.Chithra attended International Virtual Conference on “Application of Mathematics” Government Arts College, Tiruchirappallion4.9.2021

Dr.S.M.Chithra attended2nd International Conference on “Sustainable Expert systems ICSES 2021” Tribhuvan University, Nepal on 17th & 18th September 2021

Ms. V. Banupriya attended International Virtual Conference on “Mathematical and Computational Models -ICMCM'21" Bannari Amman Institute of Technology, Sathyamangalam, from 29.10.2021 to 30.10.2021

Dr. G. Devi attended Fourth International Conference on “Advances in Mechanical Engineering(ICAME 2022)”, SRM Institute of Science and Technologyfrom24.3.2022 to 26.3.2022

Ms.N.Jayanthi attended Conference on “Energy, Environmental and advanced materials”, Kongu Engineering Collegefrom15/7/21&16/7/21

Ms.N.Jayanthi attended Conference ”Innovation in Science &Technology ”Sri Venkateswara college of Engineeringfrom8/7/21 & 9/7/21

Dr. SU. NarmathaattendedConference“Investigation On the Growth, Optical, Thermal and Dielectric Studies of L- Asparagine Monohydrate Single Crystal ICRISET -2021”Jeppiar Institute Of Technologyfrom30/7/21& 31/7/21

Dr. K. Sudhakarattendedconference“3, 3'-Thiodipropionic Acid Based Copolymeric Elastomers: Synthesis Characterization and Biological ApplicationsICEMT-2021” SSN Engineering College on 22.08.21

Dr. N. Saikumari attended Conference “Advancements in Science, Management and Technology” CSI College of Engineering, Coimbatorefrom10-9-21' to 11-9-21'

Ms. S. Jothilakshmi attended Conference “Electroless copper plating deposit employing various chelators with thiourea as additive in printed circuit boards ICAAMM-2021” 4thInternational Conference on Advancements in Aeromechanical Materials for Manufacturingfrom27.8.21 to 28.8.21

Ms. Visnupriya attended Conference “Link Recovery &Energy Efficient Based Routing on manet”R.M.K ENGINEERING COLLEGE on28-03-2022

Ms. Visnupriya attended Conference “Mysterious Action Detection By Speed And Displacement Analysis in Image Processing, R.M.K Engineering Collegeon28-04-2022

Department of S&H
Journal Publication- 2021-2022

Dr. K.A. Selvakumaran “Subordination Problems for a New Class of Bazilevič Functions Associated with k -Symmetric Points and Fractional q -calculus Operators” AIMS Mathematics June 2021

K.A. Selvakumaran , “Fekete-Szegő Inequalities for New Classes of Analytic Functions Associated with Fractional q -Differintegral Operator” Science & Technology Asia, 26/4 OCT -Dec 2021.

Dr. Geetha Balachandar “Certain Properties of Uniformly Spirallike Functions” Springer Proceedings in Mathematics and Statistics, 344 2021.

Mr. J. LEO AMALRAJ “Oscillation and Non Oscillation of Fourth order Neutral Distributed Delay Generalized Difference Equation” Advances in Dynamical Systems and Applications, 16/2 Nov 2021

J. Leo Amalraj, “Generalised Fractional Proportional Delta Operator and new Generalised Transforms in Discrete Fractional Calculus” Hindawai Mathematical Problems in Engineering May 2022

Dr. S. M. CHITHRA “Generating Game Indefinite Decision Tree in the banking sector using Different Types of Algorithms” Lecture Notes in Networks and Systems 351 March 2022

Dr. HEMA P “Fuzzy graph theory in Coloring graph” Materials Today: Proceedings May 2022

Dr. HEMA P “Application of RAM in Dual-Hesitant Fuzzy Transportation Problem” Journal of Algebraic Statistics 13/2 June 2022

Ms. BANU PRIYA V “Neutrosophic alpha GS Closed sets” Neutrosophic Sets and Systems 49, March 2022

Dr. THIVYARATHI R C “Radial Radio Number of Hexagonal and its Derived Networks” Journal of Mathematics & Mathematical sciences 2021

Dr. DEVI G “Medicinal plants in India and its Antioxidant potential-A Review” Revista Geintec Gestapo, Inovacao e Tecnologias 11/4 July 2021

Dr. DEVI G “A critical study on Acetylene as an alternative fuel for transportation” AIP Conference Proceedings 2396/1 Sep 2021.

Dr. DEVI G “Measurement and simulation of power quality issues in grid connected wind farms” Electric Power System Research May 2022

Mr. SUNDARESWARAN T “Novel quinoxaline derivatives of 2, 3-diphenylquinoxaline-6-carbaldehyde and 4, 4'-(6-methylquinoxaline-2,3-diyl)bis(N,N-diphenylaniline): Synthesis, structural, DFT-computational, molecular docking, antibacterial, antioxidant, and anticancer studies” Journal of Molecular Structure 1248 Jan 2022

Ms. JAYANTHI N “Electric Vehicle - A Review” Revista Geintec Gestapo, Inovacao e Tecnologias 11/4 July 2021

Ms. JAYANTHI N “A Review on Performance of Nano fluids in Various Heat Pipe Solar Collector” Journal of Process Mechanical Engineering December 2021

Dr. NARMATHA SU “Third order nonlinear optical, spectral, luminescence, mechanical strength and electrical properties of D – Alanine bulk crystals” Optical Materials 111 2021

Dr. SUDHAKAR K “Eco-friendly Biodegradable Super Absorbent Polymers (SAPs); An Effective Water Retainer and Agrofertizer” Alinteri J. of Agr. Sci.36(1)June2021

Dr. SUDHAKAR K “3, 3'-thiodipropionic acid: A versatile monomer to synthesis aliphatic random copolyesters with biological applications” Research Journal of Chemistry and Environment Vol. 25 (12) December 2021

Dr. SUDHAKAR K “IoT based Pollution Monitoring Device for Rooftop Plants” Geintec11/ 4July-2021

Dr. SAI KUMARI N “Synthesis and characterization of amino acid Schiff base and its copper (II) complex and its antimicrobial studies” Materials Today: Proceedings47, 9Sep 2021

Dr. SAI KUMARI N “On certain topological indices of gold crystal” Materials Today: Proceedings Vol. 47, 9Sep 2021

Dr. S.JOTHILAKSHMI “Investigation of enhancing the performance and deposition characteristics of copper (II) methane sulphate salt complexed with D- Mannitol bath” Rasayan Journal of Chemistry15 (2)May 2022

Ms. ABSARA FDO S “Stabilizing Effects of Mercapto Additives on Autocatalytic Copper Nano Film Deposition” Materials Today : Proceedings47, 9 Sep 2021

Ms. ABSARA FDO S “Electroless Copper Deposition Using 3 Mercapto Propionic Acid as an Additive” Materials Today : Proceedings 47,9Sep 2021

Ms. ABSARA FDO S “Influence of organosulphur additives on autocatalytic copper thin film deposition” Materials Today: Proceedings47, 9 Sep 2021

Ms. ABSARA FDO S “Thin film to nano copper deposition by special additives on an ecofriendly electroless bath” Materials Today: Proceedings 47,9Sep 2021

Ms. VASUKIDEVI G “ASSESSING AN ADVANCED ENERGY SAVING MECHANISM WITH MACHINE LEARNING ALGORITHM” GuangdianziJiguang/Journal of Optoelectronics Laser41, 3March 2022

Ms. VASUKIDEVI G “Lung cancer prediction model using machine learning techniques” International Journal of Health Sciences6/2June 2022

PATENT PUBLISHED 2021-2022

<u>S.No</u>	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
1	J.LEO AMALRAJ	AN ENERGY EFFICIENT THERMODYNAMICS CYCLE TO LIQUIFY BIOMETHANE ON A MICROSCALE	29/06/2021	202141029268 A	16/07/21	PUBLISHED	S&H	2022	2021
2	Dr.N.Saikumari	A WEARABLE DEVICE AND SENSOR BASED SYSTEM FOR HEALTHCARE AND SECURITY MANAGEMENT APPLICATIONS THEREOF	25/08/2021	351033-001	03/09/2021/ 202111038377	published	S&H	2021-22	2021
3	Dr. P. Hema	GRAPHIC PARTITIONING APPROACH BY SEQUENCING SMALL GRAPHS	12/10/2021	202141046366	05/11/2021/	Published	S&H	2021-22	2021
4	Dr.S.M CHITRA	Computational Optimization of VLSI physical design with graphical processing using Ising method	26.06.2021	202141028782	09.07.2021 & 202141028782	Published	S&H	2021-2022	2021
5	Dr.S.M CHITRA	An Artificial Intelligence based smart Personal defense system	06.07.2021	202141030389	16.07.2021 & 202141030389	Published	S&H	2021-2022	2021
6	Dr. K. Sudhakar, Dr. G. Devi &Dr. P.K Devan,	Urban Agro-Farming In Rain Water Harvesting Channels	27/12/2021	202141060812	202141060812	Published	S&H	2021-2022	2021
7	Dr. K. Sudhakar, Dr. G. Devi &Dr. P.K Devan,	Eco Friendly Interlinked Hybrid Absorbent Polymer as Planting Medium For Reducing Frequency of Irrigation	27/12/2021	202141060813	202141060813	Published	S&H	2021-2022	2021
8	Ms G Vasukidevi, Ms V Jayalakshmi	Digital Content Verification using Blockchain technology	30.04.2022	202241025476	3.6.2022202241025476	Published	S&H	2021-22	2022

Staff Achievements

Dr. K. Sudhakar received Best faculty award from VDGGOOD on 04.12.2021

G Vasukidevi received Academic Excellence from International Institute of Organized Research on 10.12.2021