

Department of Chemical Engineering
RV College of Engineering

Publication Details 2016 - 2022

Name of the Faculty Member	Details of the Publication	Year	Research Article Conference Proceeding Book Chapter
Dr. R Suresh	<i>Surface Passivation Studies of n-type Crystalline Silicon for HIT Solar Cells</i> Nagesh, M., Suresh, R., Jayapal, R., Subramanya, K.N. Transactions on Electrical and Electronic Materials, 2022, 23(1), pp. 45–51	2022-2023	Research Article
Dr. Jagadish H Patil	<i>Synthesis and characterization of chitosan-hydroxyapatite composite for bone graft applications</i> Patil, J.H., Vishnumurthy, K.A., Kusanur, R., Melavanki, R. Journal of the Indian Chemical Society, 2022, 99(1), 100308	2022-2023	Research Article
Dr. Ujwal Shreenag Meda	Designing a Solar PV Module for Powering an Electrolyzer Ujwal Shreenag Meda, Aditi Pandey, Yashesh Vijay Rajyaguru, Manjunatha C International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 5509 - 5517; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Water Management in Proton Exchange Membrane Fuel Cells Amrit Aman, Iqra Ali Khan, Ujwal Shreenag Meda International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 19403 - 19413; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Competitor Analysis of Hydrogen Sensing Systems Ujwal Shreenag Meda, Ashni Melissa Mery Prabhu, Anupama Joshi, Vidya C, Ranganath D International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4377 - 4387; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Influence of Mixers on Dry Dispersion of Nanoparticles in the Cementitious Composites Ujwal Shreenag Meda, Bhavana B, Radhakrishna International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3537 - 3545; 2022	2021-2022	Conference Proceeding

Dr. Ujwal Shreenag Meda	Bio Polyurethane Foam and Its Fire-Retardant Applications Ujwal Shreenag Meda, Haritha Rajaram, Harshitha N, Sripriya U International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4299 - 4314; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Studies on Leak Detection in Process Pipelines Using Artificial Neural Networks/Machine Learning Ujwal Shreenag Meda, Hashitha N, Vinakyak Hulake, Ashwin Padubidri International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4281 - 4297; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Alternatives to Conventional Platinum-Based Catalysts in Polymer Electrolyte Membrane Fuel Cells Ujwal Shreenag Meda, Iqra Ali Khan, Amrit Aman, Suresh R, Rajalakshmi Mudbidre International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 5487 - 5498; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Modelling and Simulation of Manufacturing Process of Paracetamol Ujwal Shreenag Meda, Taher Hussain, Khushi Vora, Manjula Sarode, Vinod Kallur International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4389 - 4410; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Hydrogen Impermeable Materials for Efficient Hydrogen Storage Ujwal Shreenag Meda, Nidhi Bhat, Chitra Agrawal International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4875 - 4883; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Photocatalytic Cementitious Materials to Reduce Air Pollution Ujwal Shreenag Meda, Pavan Kumar, Sachin K C, Radhakrishna International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4863 - 4874; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Synthesis of Silicon Di Oxide Nano-Particles By Sol-Gel Method for Applications in Geopolymer Composites Ujwal Shreenag Meda, Sachin K C, Radhakrishna International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 5533 - 5541; 2022	2021-2022	Conference Proceeding

Dr. Ujwal Shreenag Meda	Incorporation of Nanoparticles in Building Materials Sachin K C, Radhakrishna, Ujwal Shreenag Meda International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3375 - 3391; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Advances in Incorporation of Nanomaterials Onto Fabrics Ujwal Shreenag Meda, Samhita Kiran, Shravan S Ranga International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4853 - 4862; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Product Design of Hydrogen Sensing System Ujwal Shreenag Meda, Sharanya Chakravarthi, Akshit M Harthi International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3011 - 3025; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Nanotechnology in the Textile Industry: Present and Future Ujwal Shreenag Meda, Shravan S Ranga, Samhita Kiran International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4791 - 4798; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Wastewater Treatment Using Anaerobic Fluidized Bed Membrane Bioreactor Coupled with Microbial Fuel Cells for Circular Economy Ujwal Shreenag Meda, Shreya N M, Jagadish Patil, Muralidhara P L, Vinutha Moses International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4435 - 4448; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	A Review on the Development of IoT Enabled Hydrogen Sensing Systems Ujwal Shreenag Meda, Sowrav Adithya International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4767 - 4789; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Market Study of Hydrogen Sensors and Sensing Systems Ujwal Shreenag Meda, Sripriya U International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4489 - 4502; 2022	2021-2022	Conference Proceeding

Dr. Ujwal Shreenag Meda	Pollution Control Applications of Nano Titanium Dioxide in the Construction Industry Ujwal Shreenag Meda, Ujwal Arun Mandi, Yash Athreya, Khushi Vora International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3281 - 3293; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Electrolyzers for Green Hydrogen Generation and Their Integration with Fuel Cells Ujwal Shreenag Meda, Yashesh Vijay Rajyaguru, Aditi Pandey, Manjunatha C International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4723 - 4731; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Powering Implantable Medical Devices with Biological Fuel Cells Nishaa V, Vishwesh Desai, Soumya, Spoorthi B V, Ujwal Shreenag Meda International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 19197 - 19215; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Microbial Fuel Cells and Genomics Ujwal Shreenag Meda, Amulya Rao, Riya Sharma, Abhipsa Rath International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 10729 - 10755; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	Remediation of Lead Ions from Wastewater Using Magnetic Iron Oxide Nanoadsorbents – A Review Ujwal Shreenag Meda, Subana P S, Suresh R, Hari Krishna R, Sham Aan M P, Manjunatha C International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 17217 - 17228; 2022	2021-2022	Conference Proceeding
Dr. Ujwal Shreenag Meda	<i>Titanium dioxide based heterogeneous and heterojunction photocatalysts for pollution control applications in the construction industry</i> Ujwal Shreenag Meda, Khushi Vora, Yash Athreya, Ujwal Arun Mandi Process Safety and Environmental Protection; Volume 161, Issue 1, 771-787, 2022	2021-2022	Research Article
Dr. Ujwal Shreenag Meda	<i>Solid Electrolyte Interphase (SEI), a boon or a bane for lithium batteries: A review on the recent advances</i> Meda, U.S., Lal, L., M, S., Garg, P. Journal of Energy Storage, 2022, 47, 103564	2021-2022	Research Article

Dr. R Suresh	Development of Nano Copper Sulfide (CuS) Structures for Electrochemical Detection of Vitamin C Sudeep, M., Manjunatha, C., Aan, M.P.S., ...Suresh, R., Ujwal, S.M. Journal of Nanostructures, 2021, 11(3), pp. 628–637	2021-2022	Research Article
Dr. R Suresh	Surface functionalized magnetic α-Fe₂O₃ nanoparticles: Synthesis, characterization and Hg²⁺ ion removal in water Subana, P.S., Manjunatha, C., Manmadha Rao, B., ...Nagaraju, G., Suresh, R. Surfaces and Interfaces, 2020, 21, 100680	2021-2022	Research Article
Dr. Jagadish H Patil	Optimization of parameters affecting dealcoholization of anthocyanin extract from red cabbage by liquid emulsion membrane using response surface methodology Binnal, P., Rajashekhara, S., Patil, J. Journal of Applied Research and Technology, 2021, 19(6), pp. 562–574	2021-2022	Research Article
Dr. Jagadish H Patil	Equilibrium removal, isotherm and kinetic studies of chromium (VI) adsorption onto biopolymers from aqueous solution: A comparative study Shetty, M.K., Karthik, K.V., Patil, J.H., Shekhar, S.M. Materials Today: Proceedings, 2021, 49, pp. 891–897	2021-2022	Conference Proceeding
Dr. Jagadish H Patil	Spiro Benzodiazepine Substituted Fluorocoumarins as Potent Anti-Anxiety Agents Patagar, D., Uttarkar, A., Patra, S.M., .J.H...Niranjan, V., Kumar, H.G.A. Russian Journal of Bioorganic Chemistry, 2021, 47(2), pp. 390–398	2021-2022	Research Article
Dr. Rajalakshmi M	Treatment and Disposal Methods of Concentrate Stream of Seawater Reverse Osmosis - A Review Tabassum, Z., Mudbidre, R. Nature Environment and Pollution Technology, 2021, 20(4), pp. 1403–1414	2021-2022	Research Article
Dr. Rajalakshmi M	Thermal and mechanical properties of glass fibre reinforced polyphenylene ether/polystyrene/nylon-6 ternary blends Hadimani, P., Narasimha Murthy, H.N., Mudbidre, R. Polymers and Polymer Composites, 2021, 29(7), pp. 1075–1088	2021-2022	Research Article
Dr. Ujwal Shreenag Meda	Review on the correlation between mixing, microstructure and strength of cementitious products with nanoparticles Adithya, S.N., Sachin, K.C., Radhakrishna, Meda, U.S. IOP Conference Series: Earth and Environmental Sciencethis link is disabled, 2021, 822(1), 012005	2021-2022	Conference Proceeding

Dr. Ujwal Shreenag Meda	Modeling of reaction kinetics in generation of hydrogen from wastewater by microbial electrolysis Ujwal Shreenag Meda, Kruthika P, M A Lourdu Antony Raj International Conference on Process Engineering and Advanced Materials; E3S Web of Conferences; Volume 287, Issue 1, Pages 4010; 2021	2020-2021	Conference Proceeding
Dr. R Suresh	<i>An advanced model-centric framework for verification and validation of developmental aero engine digital controller performance</i> Sanjawadmath, V., Suresh, R., Vishwanatha Rao, A.N., Nayak, D.P. Lecture Notes in Electrical Engineering, 2020, 672, pp. 875–883	2020-2021	Conference Proceeding
Dr. R Suresh	<i>Surface functionalized magnetic α-Fe₂O₃ nanoparticles: Synthesis, characterization and Hg²⁺ ion removal in water</i> Subana, P.S., Manjunatha, C., Manmadha Rao, B., ...Nagaraju, G., Suresh, R. Surfaces and Interfaces, 2020, 21, 100680		Research Article
Dr. Jagadish H Patil	<i>Characterization of crosslinked Macrotyloma uniflorum(Horsegram) protein films for packaging and medical applications</i> Sakkara, S., Venkatesh, K., Reddy, R., ...Patil, J.H., Reddy, N. Polymer Testing, 2020, 91, 106794	2020-2021	Research Article
Dr. Jagadish H Patil	<i>Effect of pH on the physicochemical properties of starch films</i> Sakkara, S., Nataraj, D., Venkatesh, K., ...Patil, J.H., Reddy, N. Journal of Applied Polymer Science, 2020, 137(15), 48563	2020-2021	Research Article
Dr. Jagadish H Patil	<i>In-situ synthesis of ZSM-5 to form SCR catalyst membrane and Modeling using COMSOL Multiphysics</i> Manjunath, S.P., Binnal, P., Rajashekhara, S., Patil, J. Journal of Applied Science and Engineering, 2020, 23(4), pp. 723–730	2020-2021	Research Article
Dr. Rajalakshmi M	<i>Quantification of Po-210 and Pb-210 as tracer of sediment resuspension rate in a shallow riverine system: Case study from southeast Michigan, USA</i> Baskaran, M., Mudbidre, R., Schweitzer, L. Journal of Environmental Radioactivity, 2020, 222, 106339	2020-2021	Research Article
Dr. Rajalakshmi M	<i>Processing and characterization of polyphenylene ether/polystyrene/nylon-6 ternary blends</i> Hadimani, P., Narasimha Murthy, H.N., Mudbidre, R. International Polymer Processing, 2020, 35(2), pp. 169–183	2020-2021	Research Article

Dr. R Suresh	Synthesis, characterization of TiO₂ doped nanofibres and investigation on their antimicrobial property Hiremath, L., Kumar, N.S., Gupta, P.K., ...Suresh, R., Keshamma, E. Journal of Pure and Applied Microbiology, 2019, 13(4), pp. 2129–2140	2019-2020	Research Article
Dr. R Suresh	Investigations on a-Si: H thin film solar cells by RF-PECVD Subramanyam, T.K., Kumar, S.P., Goutham, P., Suresh, R., Subramanya, K.N. Materials Today: Proceedings, 2018, 5(10), pp. 21061–21068	2018-2019	Conference Proceeding
Dr. R J Basavaraj	Synthesis of porous graphene powder through improved Hummers' method Gupta, S., Bonageri, S., Achar, S.K., Menon, A., Basavaraja, R.J. AIP Conference Proceedings, 2018, 1966, 020014	2018-2019	Conference Proceeding
Prof. Vinutha Moses	Development of a bio-resin from organic waste and its application to make high strength composites Bhat, S., Snehil Kumar, B., Moses, V., Akshay, C.B., Rai, R. AIP Conference Proceedings, 2018, 2039, 020060	2018-2019	Conference Proceeding
Prof. Vinutha Moses	Nanotechnology - As antibacterial and heavy metal removal in waste water treatment - A review Sudeep, M., Moses, V. AIP Conference Proceedings, 2018, 2039, 020067	2018-2019	Conference Proceeding
Prof. Vinutha Moses	Environmental effect studies on aviation contrails and cirrus clouds DSouza, G.C., Moses, V., Chetan, N., Mahadevaiah, S.C., Raj, L.A. EnvironmentAsia, 2018, 11(2), pp. 164–171	2018-2019	Research Article
Dr. R Suresh	Design and standardization of temperature measurement system for biomass downdraft gasifier Vijay Daniel, P., Sanjeevi Gandhi, A., Suresh, R. Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017, 2017, 2017-January, pp. 337–342	2017-2018	Conference Proceeding
Dr. R Suresh	Model based verification and validation of digital controller performance of a developmental aero gas turbine engine Sanjawadmath, V., Suresh, R. Proceedings of the 2017 2nd IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2017, 2017, 8117985	2017-2018	Conference Proceeding
Dr. R Suresh	Environmentally Sustainable Visible Photocatalytic Nanostructured ZnS Doped with CuS for Chemical Effluent Treatment Applications Subramanian, A., Bhutada, M., Bhutada, K., ...Suresh, R., Endrino, J.L. Materials Today: Proceedings, 2017, 4(11), pp. 11660–11670	2017-2018	Conference Proceeding

Dr. Jagadish H Patil	<i>Value addition to bagasse: An agricultural waste for production of xyitol by fermentation process using Aspergillus niger</i> Pradeep, H.N., Shroff, N., Bagri, Y., Patil, J.H. Asian Journal of Chemistry, 2017, 29(1), pp. 229–230	2017-2018	Conference Proceeding
Dr. Ujwal Shreenag Meda	<i>Development of polymeric layer on anode for enhanced hydrogen generation in microbial electrolysis cell</i> Kumar, K.P., Kundar, A.S., Abhijith, K.J., ...Raj, M.A.L.A., Patil, J.H. Asian Journal of Chemistry, 2017, 29(1), pp. 226–228	2017-2018	Conference Proceeding
Prof. Vinutha Moses	<i>Composites based on natural polymers</i> Mathew, B.B., Moses, V., Biju, V.G., ...Archana, Siddappa, A. Natural Polymers: Derivatives, Blends and Composites, 2017, 2, pp. 119–156	2017-2018	Book Chapter
Dr. R Suresh	<i>Study and optimization optical and electrical properties of the p, i and n- layers of single junction a:Si-H Solar cell in an indigenously developed PECVD cluster system</i> Subramanyam, T.K., Shilpa, G.D., Omprakash, S.S., Suresh, R., Satyanarayana, B.S. International Journal of ChemTech Research, 2016, 9(1), pp. 185–191	2016-2017	Research Article
Dr. C Vidya	<i>Green mediated synthesis of zinc oxide nanoparticles for the photocatalytic degradation of Rose Bengal dye</i> C., V., Prabha, M.N.C., Raj, M.A.L.A. Environmental Nanotechnology, Monitoring and Management, 2016, 6, pp. 134–138	2016-2017	Research Article