JSS MAHAVIDYAPEETHA

JSS SCIENCE AND TECHNOLOGY UNIVERSITY

SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING

- Constituent College of JSS Science and Technology University
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Department of Environmental Engineering

Faculty Publication details AY 2025-2026

Sl.	Title of the Paper	Name of the Author/s	Name of the Journal	Month/Year of Publication
1	Electrochemical detection of chloramphenicol using gadolinium tungstate with sulphur-doped carbon nitride nanocomposite	Trishul Alanahally Mallu	Microchemical Journal	2026
2	Sphere-like Gd_2BiMoO_6 double perovskite decorated on graphene oxide for sensitive detection of nitrofurantoin in environmental matrices and DFT interpretation	Trishul Alanahally Mallu	ADMET & DMPK	2025
3	Development of 2D zinc-aluminum hexagonal LDHs for greater catalytic degradation of food colorant Allura red dye: Catalytic property and DFT studies	Trishul Alanahally Mallu	Ceramics International	2025
4	Rapid and selective electrochemical determination of doxycycline in human urine samples using a 2-D Cu_2WS_4 nanosheet decorated polypyrrole nanotube electrocatalyst-modified pencil graphite electrode.	Rajanna, K; Ningappa, KS; Shivarudraiah, VH; Yashas SR; Basavaraju, M; Arkeswaraiah, CN; Prasanna, SB; Chung, RJ	Inorganic Chemistry Communications	February 2026
5	Facile Beneficiation of Natural Natrolite for High-Performance Methylene Blue Adsorption: Structural Characterization and Mechanistic Insights.	Abenezer Z; Mamo D; Yashas SR; Hailu D	Journal of Inorganic and Organometallic Polymers and Materials	April 2026

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6	Feasibility of Vacuum Serwer systems in Terrain-Challenged Regions: A case Study from Kerala	Shivakumar B P	Journal of Civil and Environmental Engineering	December 2025
7	Electrochemical coagulation of car service station wastewater: multi-parameter removal, sludge aspects and operating costs.	Sahana, M., Krishna, B.M., Mahesh, S. & Chidanand, S. L.	Journal of Chemical papers	March 2026
8	Raw Dental Wastewater Treatment by Electro-Chemical Coagulation Using Copper and Stainless Steel Electrodes: A Comparative Study	Sahana, M., Krishna, B. M., & Mahesh, S.	International Journal of Environmental Research	October 2025
9	Development of Eco-Efficient Interlocking Bricks using Water Treatment Sludge	Prajwal Potadar and Parinitha T Niranjan	International Journal of Engineering Research & Technology	July 2026
10	Facile Construction of $FeS_2/WS_2/CoS_2$ Ternary Nanocomposite for Improved Photocatalytic Removal of Rhodamine-B	Shivaprasad, K. S	Chemistry Select	2026

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Faculty Publication details AY 2024-2025

Sl.	Title of the Paper	Name of the Author/s	Name of the Journal	Month/Year of Publication
1	An enhanced non-enzymatic electrochemical sensor based on the Bi_2S_3–TiO_2 nanocomposite with HNTs for the individual and simultaneous detection of 4-nitrophenol and nitrofurantoin in environmental samples	Trishul Alanahally Mallu	*Journal of Materials Chemistry B*	2024
2	Air Quality Prediction and Analysis using Machine Learning	Asha Gururaj, Vishishtha Nagaraj A.S., Rajesh, M.U., Somesh, Ashish Dubay, B.	IEEE, ICMCSI	2024
3	Electrochemical coagulation of raw dental wastewaters using copper electrodes."	Sahana M, Krishna B M, Mahesh S, Vikram K J S, Pushpa Tuppad, and P. C. Srinivas	*Brazilian Journal of Chemical Engineering*	2025
4	Dental wastewater treatment using electro-chemical coagulation unit process	Sahana M, Krishna B M, Mahesh S, Manasvi N S, Vikram K J S.	*Separation Science and Technology*	2025
5	Optimizing Municipal Solid Waste Collection for Environmental Sustainability: A GIS-Based Case Study of Mysuru City	Parinitha T Niranjan, Sadashiva Murthy B M, D Istalingamurthy, Prashanth B	International Journal of Environmental Sciences	2025

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Faculty Publication details AY 2023-2024

Sl.	Title of the Paper	Name of the Author/s	Name of the Journal	Month/Year of Publication
1	Hospital wastewater treatment coupling electrochemical coagulation (ECC) and activated sludge process (ASP)	Shivaprasad, K. S., Mahesh, S., & Sahana, M	Journal of Water, Sanitation and Hygiene for Development	August -2023
2	Synthesis of LaW/Ag/GNRs nanocomposite: Application as transducer material for the simultaneous nano molar detection of synthetic dyes and as anode material for Li ion batteries	Trishul Alanahally Mallu	Surfaces and Interfaces	2023
3	Characterization of bioplastic prepared from composites of food waste	Vishishtta Nagaraj, Lenita Infancia, Sadaf Anwari, Harshitha M and Sanjay K N	International journal of Novel Research and Development	2023
4	Eggshell for Brick: A Sustainable and Eco-Friendly Building Material	Sneha C Nayak, Parinitha T Niranjan, Dr. B. M. Krishna, Chethan S, Mahadeva Swamy T M	International Journal for Research in Engineering Application & Management	2024
5	Roofing Material using Bagasse and Polypropylene Plastic as a Composite	Mahitha M S, A Mary Smitha, Deepu K V, Kirthi B M, Parinitha T Niranjan	IOSR Journal of Environmental Science, Toxicology and Food Technology	2023

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Faculty Publication details AY 2022-2023

Sl.	Title of the Paper	Name of the Author/s	Name of the Journal	Month/Year of Publication
1	Treatment of coffee pulp wastewater by photocatalytic bismuth ferrite nanomaterials	Nidhi A Harish Kumar, Shivakumar Bellagere Puttaraju and N. Kumar Swamy	International Research Journal of Engineering and Technology	September 2022
2	Study on removal of hardness from groundwater using low-cost adsorbent	Krishna Swaroop C D, Shivakumar B P, Kishore Kumar S3	International Research Journal of Engineering and Technology.	October 2022
3	A study on Primary collection system of Municipal Solid Waste via GIS in selected wards of Mysore City	Parinitha T Niranjan, Sadashiva Murthy B M, D Istalinga murthy	Journal of Electronics Information Technology Science and Management	2022