



Department of Chemical Engineering
K. K. Wagh Institute of Engineering Education and Research
Hirabai Haridas Vidyanagari Amrutdham Panchavati, Nashik-422003

Summary of Research Paper Published by Students and Faculty

Academic Year	Research Papers
2025-26	5
2024-25	4
2023-24	4
Total	13

Details of Research Papers Published by Students and Faculty

Sr. No.	Student Author(s) Name	Faculty Author(s) Name	Title of Paper	Journal Name	Publisher	Volume	Publication Month & Year	ISSN/ISBN
1	Nilesh Thakare Prasad Musale	Piyush Joshi Prashant Kumar Suyog Jain Yennam Rajesh Sandip Derle Zameer Deshmukh Gaurav Daware	Utilization of Water Hyacinth (Eichhornia crassipes) for Bioethanol Production: A Comprehensive Approach from Hydrolysis to Purification	Indian Journal of Chemical Technology	CSIR–NIScPR	32	Nov-25	749-754
2	Tanaya Upasani Abhishek Kavhar	Suyog Jain Rajasekhar Ravula Rajesh Yennam Gaurav Daware Neha Gautam Sandip Derle	Application of Native Parthenium hysterophorus for Dye Sequestration: Kinetic, Isotherm, and Thermodynamic Analysis	Indian Journal of Chemical Technology	CSIR–NIScPR	33	May-26	485-492



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		Piyush Joshi						
3	Neha Pawar Shubham Ghorpade	Rajasekhar Ravula Suyog Jain	Design and Development of Digital Sensors for Monitoring Dyes Concentration	Indian Chemical Engineer	Taylor & Francis	—	Aug-25	0019-4506
4	Omkar Shinde Kalpak Shende	Neha Gautam Suyog Jain Yennam Rajesh Rajasekhar Ravula	Modeling and Simulation of a Heliostat-Integrated Solar Dome Desalination	Modeling Earth Systems and Environment	Springer Nature	12	Mar-26	2363-6203
5	Himani Chaudhari Shraddha Pansare	Yennam Rajesh Suyog Jain Neha Gautam Rajasekhar Ravula	Development of Sustainable Cementitious Composites Using Agricultural Waste and Sea Shells	Indian Journal of Chemical Technology	CSIR– NIScPR	33	May-26	351-357
6	Rushikesh Gaikwad Pralay Meshram Anushka Gulhane	Gaurav Daware Suyog Jain	Fixed Bed Adsorption of Pyridine from Wastewater Using Low-Cost Adsorbent	Water Practice and Technology	IWA Publishing	—	May-26	-
7	Om Korade Mitisha Parmar	Suyog Jain Gaurav Daware Neha Gautam	Adsorptive Separation of Acid Red 33 by Groundnut Shell– Based Activated Carbon	Biomass Conversion and Biorefinery	Springer Nature	15	Dec-24	2190-6823
8	Saurabh Kulkarni Rohit Fulzele	Suyog Jain Yennam Rajesh Priyanka Shivde	Design of Microbial Fuel Cell for Power Generation Using Milk and Lactobacillus Bacteria	Indian Journal of Chemical Technology	CSIR– NIScPR	32	Jan-25	0975-0991
9	Hetansha Boricha Aishwarya Suryavanshi Abhijeet Gajare	Yennam Rajesh Suyog Jain	Synthesis, Characterization and Adsorption Studies on Activated Carbon Synthesized from Kigelia africana for Removal of Acid Blue 113 Dye	Materials Today: Proceedings	Elsevier	111	Nov-23	69-77



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10	Nikhil Kale Milind Jagtap Himani Chaudhari Shraddha Pansare	Neha Gautam Yennam Rajesh	Silica Extraction from Bamboo Leaves Using Alkaline Extraction Method	Materials Today: Proceedings	Elsevier	111	Nov-23	155-160
11	Jai Shah Sakshi Gole Pragati Nirgude	Yennam Rajesh Neha Gautam	Evaluation of Activated Biochar from Sustainable Sterculia foetida Shells for Removal of AB 158 Dye	Journal of Environmental Nanotechnology	Environment Conservation Society	13	Jun-24	248-255
12	Panchal Saloni Vaidehi Deore	Yennam Rajesh Neha Gautam Priyanka Shivde	Agricultural Resources in Focus: Eco-Friendly Bioplastic Synthesis from Corn Starch	Materials Today: Proceedings	Elsevier	111	Nov-23	182-187
13	Deepali Sonawane	Priyanka Shivde Venkat Mane Yennam Rajesh	Experimental Investigation of Thermophysical Characteristics of Hybrid Nanofluid: Application in Heat Transfer Enhancement	Materials Today: Proceedings	Elsevier	111	Jun-24	219-224

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