

**Journal paper reviewer/editor**  
**Department of Chemical Engineering**

**2024-25**

1. **Radharani Das**, Reviewed a paper No: JECE-D-24-04729R1 on “Advancements in ceramic membranes for robust oil-water separation” for Journal of Environmental Chemical Engineering in July 2024.
2. **Anoar Ali Khan**, Reviewed a paper “Predictive modeling of CO<sub>2</sub> capture efficiency using piperazine solutions: A comparative study of white-box algorithms”, Journal: Discover Applied Sciences, Publisher: Springer, 24.09.2024.
3. **Anoar Ali Khan**, Reviewed a paper “Carbon dioxide removal from triethanolamine solution using living microalgae-loofahbiocomposites”, Journal: Scientific Reports, Publisher: Springer, 07.10.2024.
4. **Anoar Ali Khan**, Reviewed a paper “Adsorption of total phosphorus through polymeric filter media to improve the quality of effluent of UASB reactor”, Journal: Journal of Dispersion Science and Technology, Publisher: Taylor & Francis, 19.11.2024.
5. **Anoar Ali Khan**, Reviewed a paper “Experimental studies of CO<sub>2</sub> and NO mitigation using potential adsorbents in a standby power generation unit”, Journal: Environmental Progress & Sustainable Energy, Publisher: Willey, 02.09.2024.
6. **Anoar Ali Khan**, Reviewed a paper “Research pathways in CO<sub>2</sub> capture based on accelerated degradation protocols and mechanisms:A focused review”, Journal: Discover Sustainability, Publisher: Springer, 14.12.2024.
7. **Keka Rana**, Reviewed a paper “Marine fleet and container transportation in marine terminals and its effect on increasing products”, Journal of Material & Metallurgical Engineering, Publisher: STM JOURNALS, 19.07.2024.
8. **Keka Rana**,Reviewed a paper “Application of Monod Equation and First Order Rate Kinetics for the Determination of TPH Concentration along the Depths”, International Journal of Renewable Energy and its Commercialization, Publisher: STM JOURNALS, 17.07.2024.
9. **Keka Rana**, Reviewed a paper “Drone Swarms: An overview and working in network control systems”, International Journal of Drones, Publisher: STM JOURNALS, 23.07.2024.
10. **Keka Rana**, Reviewed a paper “Iot Based Industrial Pollution Monitoring System”, International Journal of Pollution: Prevention & Control, Publisher: STM JOURNALS, 2.08.2024.

11. **Keka Rana**, Reviewed a paper “Microstructural and Mechanical characterization of Brass and Bronze alloys”, International Journal of Composite Materials and Matrices, Publisher: STM JOURNALS, 3.08.2024.
12. **Keka Rana**, Reviewed a paper “The Working Mechanism of Solar Cells to Produce Electrical Energy to Charge Car Batteries”, International Journal of Renewable Energy and its Commercialization, Publisher: STM JOURNALS, 2.08.2024.
13. **Keka Rana**, Reviewed a paper “Plant-Drive Natural Fiber Reinforced Thermoplastic Composites by Film Stacking Method”, International Journal of Chemical Engineering and Processing, Publisher: STM JOURNALS, 2.09.2024.
14. **Keka Rana**, Reviewed a paper “Identifying the Dimensions of Entrepreneurship Development in the National Industry of Refining Petroleum Products”, Journal of Petroleum Engineering & Technology, Publisher: STM JOURNALS, 2.09.2024.
15. **Keka Rana**, Reviewed a paper “One-step fabrication of superomniphobic PVDF-HFP-SiO<sub>2</sub> membrane for long-term CO<sub>2</sub> absorption in membrane gas absorption system”, International Journal of Analytical and Applied Chemistry, Publisher: STM JOURNALS, 23.09.2024.
16. **Keka Rana**, Reviewed a paper “Mechanical Behavior of Calotropis Gigantea Fruit Bunch Fiber-Epoxy Composites”, International Journal of Analytical and Applied Chemistry, Publisher: STM JOURNALS, 23.09.2024.
17. **Keka Rana**, Reviewed a paper “Eco-Friendly Explorations: A Guide to Sustainable Tourism in India”, International Journal of Renewable Energy and its Commercialization, Publisher: STM JOURNALS, 23.09.2024.
18. **Keka Rana**, Reviewed a paper “Decentralized Renewable Energy Systems: A Pathway to Enhanced Energy Efficiency and Sustainability”, International Journal of Renewable Energy and its Commercialization, Publisher: STM JOURNALS, 23.09.2024.
19. **Keka Rana**, Reviewed a paper “Walnut Shells' Potential Use As Biofillers In Natural Rubber Composites”, International Journal of Polymer Science & Engineering, Publisher: STM JOURNALS, 4.11.2024.
20. **Keka Rana**, Reviewed a paper “Overview of Atomic Structure of Metals in Group 1 Elements”, Journal of Material & Metallurgical Engineering, Publisher: STM JOURNALS, 4.11.2024.
21. **Keka Rana**, Reviewed a paper “Plasma Gasification for Sustainable Waste Management: Challenges and Future Prospects”, Journal of Material & Metallurgical Engineering, Publisher: STM JOURNALS, 4.11.2024.

22. **Keka Rana**, Reviewed a paper “Chemical Waste Management: A Way Forward for Sustainable Development”, International Journal of Chemical Separation Technology, Publisher: STM JOURNALS, 5.11.2024.
23. **Keka Rana**, Reviewed a paper “Utilization and Mitigation of Ventilation Air Methane in Coal Mining: A Focus on Turkey.”, International Journal of Chemical Separation Technology, Publisher: STM JOURNALS, 5.11.2024.
24. **Keka Rana**, Reviewed a paper “Enhancement and Management of Evaporative Separation Methods”, International Journal of Chemical Separation Technology, Publisher: STM JOURNALS, 8.11.2024.
25. **Keka Rana**, Reviewed a paper “Cross-border Disaster Preparedness in the Himalayas by Indian Armed Forces”, International Journal of Pollution: Prevention & Control, Publisher: STM JOURNALS, 18.12.2024.
26. **Keka Rana**, Reviewed a paper “Review of Physicochemical Parameters for Water-Environment Quality Testing”, International Journal of Pollution: Prevention & Control, Publisher: STM JOURNALS, 18.12.2024.
27. **Keka Rana**, Reviewed a paper “A review of plasma chemical surface Treatment on Parylene for deposition on Ionic Polymers”, International Journal of Polymer Science & Engineering, Publisher: STM JOURNALS, 17.12.2024.
28. **Keka Rana**, Reviewed a paper “Surface Modification and Performance Evaluation of Biologically Degummed Lady’s Finger Bast Fibers”, International Journal of Polymer Science & Engineering, Publisher: STM JOURNALS, 17.12.2024.
29. **Keka Rana**, Reviewed a paper “A Strategy of Nano-Calcite Fillers for Enhancing the Mechanical and Thermal Properties of Polypropylene Polymers”, International Journal of Composite Materials and Matrices, Publisher: STM JOURNALS, 17.12.2024.
30. **Siddhartha Sankar Boxi**, Reviewed a paper Ref: **JFUE-D-24-04137R1** “Potential of polymer’s viscosity and viscoelasticity for accessible oil recovery during low salinity polymer flooding in heterogeneous carbonates”, Fuel, Elsevier, 29.07.2024.
31. **Biswajit Mandal**, Edited book chapters on International Conference on renewable energy technologies and biosustainability jointly published by IChE on dated 11/11/2024. ISBN: 9978-93-340-5239-8.
32. **Prof. Sunil Baran Kuila**, Reviewed a paper Comparative study on nutritional component profiles between waste dry and fresh mango leaf extracts" for., Journal: Indian Chemical Engineer, Publisher: Taylor & Francis, 22.08.2024.

33. **AsitKumar Saha**, Asian Council of Science Editors (Membership No:242616182), Jan-Dec 2025.
34. **Keka Rana**, become an editor of the following Journals: Emerging Trends in Chemical Engineering, International Journal of Chemical Engineering and Processing, and Journal of Modern Chemistry & Chemical Technology.
35. **Siddhartha Sankar Boxi**, Reviewed a paper Ref: **JFUE-D-25-03093R1** “An effective medium theory-based saturation model for shale oil with high clay content and complex fluid compositions”, Fuel, Elsevier, 19.05.2025.
36. **Anoar Ali Khan**, Reviewed a paper “Adsorption of total phosphorus through polymeric filter media to improve the quality of effluent of UASB reactor”, Journal: Journal of Dispersion Science and Technology, Publisher: Taylor & Francis, 06.01.2025.
37. **Anoar Ali Khan**, Reviewed a paper “Research pathways in CO<sub>2</sub> capture based on accelerated degradation protocols and mechanisms:A focused review”, Journal: Discover Sustainability, Publisher: Springer, 14.02.2025.
38. **Sourav Poddar**, Reviewed a paper “Evaluation the inhibitory effect of nicardipine on the metabolism of quetiapine”, Journal: Frontiers in Pharmacology, Publisher: Frontiers, 16.02.2025.
39. **Keka Rana**, Reviewed a paper “Evaluation of the Emission and Engine operatability of Biodiesel and biodiesel blends produced from Alkali-catalyzed esterification and transterification of Jatropha oil feedstock”, Journal of Petroleum Engineering & Technology, Publisher: STM JOURNALS, 09.01.2025.
40. **Keka Rana**, Reviewed a paper “Determination of Effect of Temperature on Bacteria and Fungi (Salt and Freshwater)”, Journal of Petroleum Engineering & Technology, Publisher: STM JOURNALS, 09.01.2025.
41. **Keka Rana**, Reviewed a paper “Extraction Properties of Mangifera indica Seed Kernels: A Comprehensive Analysis of Their Industrial Potential”, Journal of Petroleum Engineering & Technology, Publisher: STM JOURNALS, 09.01.2025.
42. **Keka Rana**, Reviewed a paper “Mathematical Computation, Ecological and Human Health Implications of Water Quality Index of Bodo Creek, Niger Delta, Nigeria”, International Journal of Chemical Separation Technology, Publisher: STM JOURNALS, 08.02.2025.

43. **Keka Rana**, Reviewed a paper “Liquid-Liquid Extraction Strategies for the Isolation of Bioactive Heterocyclic Compounds”, International Journal of Chemical Separation Technology, Publisher: STM JOURNALS, 08.02.2025.
44. **Keka Rana**, Reviewed a paper “Tailoring Electrolytic Deposition of Zn-Ni Alloys for Superior Corrosion Resistance in Harsh Environments”, International Journal of Chemical Engineering and Processing, Publisher: STM JOURNALS, 08.02.2025.
45. **Keka Rana**, Reviewed a paper “Decentralized Renewable Energy Systems: A Pathway for Rural Electrification and Energy Equity”, International Journal of Renewable Energy and Its Commercialization, Publisher: STM JOURNALS, 08.02.2025.
46. **Keka Rana**, Reviewed a paper “Recent Advances in Solar Photovoltaic Technologies: Efficiency, Sustainability, and Market Trends”, International Journal of Renewable Energy and Its Commercialization, Publisher: STM JOURNALS, 08.02.2025.
47. **Keka Rana**, Reviewed a paper “Heat Transfer Analysis Between Two Aluminium Parallel Plates With Natural Convection”, Journal of Materials & Metallurgical Engineering, Publisher: STM JOURNALS, 25.04.2025.
48. **Keka Rana**, Reviewed a paper “Advancements in Thin Film Coatings for High-Efficiency Electronics and Communication Devices”, Journal of Thin Films Coating Science Technology and Application, Publisher: STM JOURNALS, 20.05.2025.
49. **Keka Rana**, Reviewed a paper “Substitution of  $\text{La}^{3+}$  in  $\text{Cu}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  ( $x=0.02, 0.06$ ) spinel ferrites improves the structural and dielectric Properties”, Journal of Materials & Metallurgical Engineering, Publisher: STM JOURNALS, 20.05.2025.
50. **Keka Rana**, Reviewed a paper “Solar-Powered Irrigation: A Sustainable Solution for Energy and Water Challenges in Rural India”, International Journal of Renewable Energy and Its Commercialization, Publisher: STM JOURNALS, 02.06.2025.