

Journal paper reviewer/editor
Department of Chemical Engineering

2023-24

1. **Siddhartha Sankar Boxi**, Reviewed a paper Ref: TDWT-2023-0453 “Novel Fabrication of active material combined adsorbent composites for removal of extremely toxic acid yellow dye from wastewater”, Desalination and Water Treatment, Publisher: desalination publications, 21.08.2023.
2. **Siddhartha Sankar Boxi**, Reviewed a paper Ref: GCEC-2023-0393 “Characterization and Performance Evaluation of Calcium Oxide and Lithium-Impregnated Catalysts from Perna perna Shells in Biodiesel Synthesis”, Chemical Engineering Communications, Publisher: Taylor & Francis, 10.01.2024.
3. **Barnali Bej**, Reviewed a paper “pH Sensitive In-Situ Gel for Ophthalmic Delivery of Ofloxacin and Dexamethasone Sodium Phosphate: Formulation, Development, and Evaluation”, Journal: Materials Today: Proceedings, Publisher: Elsevier, 05.07.2023.
4. **Biswajit Mandal**, Reviewed a paper for highly reputed International Journal of Hydrogen Energy, Elsevier on August 2023.
5. **Asit Kumar Saha**, reviewed a section of a book, “The Drying Kinetics of Pre-Treated Sweet Potato Strips”, published by B P International, 15.12.2023.
6. **Sourav Poddar**, Reviewed a paper “An Injectable, Self-healing Hyaluronic Acid-based Hydrogels Enhance Spinal Cord Injury Repair”, Journal: International Journal of Biological Macromolecules, Publisher: Elsevier, 22.12.2023.
7. **Sourav Poddar**, Reviewed a paper “QM/MM Study of the Catalytic Reaction of Aphid Myrosinase”, Journal: International Journal of Biological Macromolecules, Publisher: Elsevier, 08.12.2023.
8. **Prof. Radha Das**. Reviewed a manuscript on “ Fluoride Removal by Ion-Exchange Resin: Adsorption Studies” as the book entitled “Recent Trends in Water Resources and Pollution Control in BRICS Nations -Proceedings of WRPT 2021” for (SCOPUS Indexed Book Series, Springer Nature) during February 2024.
9. **Siddhartha Sankar Boxi**, Reviewed a paper Ref: LPET-2024-0042 “Highly efficient ZnO doped CNT as photocatalyst for conversion of pongamia pinnata oil to biodiesel”, Petroleum Science and Technology, Publisher: Taylor & Francis, 29.02.2024.

10. **Keka Rana**, Reviewed a paper “Reviewing Two-Phase Flow Modeling in Osmotic Membrane Processes through Computational Fluid Dynamics”, Journal: Environmental Science and Pollution Research, Publisher: Springer, 07.07.2024.
11. **Keka Rana**, Reviewed a paper “Chemical Preparation Methods of Nano Material with their Applications”, Journal: Journal of Modern Chemistry & Chemical Technology, Publisher: STM JOURNALS, 27.05.2024.
12. **Keka Rana**, Reviewed a paper “Study of Nano Application and Toxicity Effect with Bio-Evaluation of New Ligand and Complexes of Palladium”, Journal: Journal of Modern Chemistry & Chemical Technology, Publisher: STM JOURNALS, 27.05.2024.
13. **Keka Rana**, Reviewed a paper “Employing ML and DL to Optimize an Electrochemical Biosensor”, Journal: International Journal of Composite Materials and Matrices, Publisher: Journals Pub, 19.06.2024.
14. **Keka Rana**, Reviewed a paper “Different Method ForThe Production of Oxadiazole Compounds”, Journal: International Journal of Chemical Engineering and Processing, Publisher: Journals Pub, 19.06.2024.
15. **Keka Rana**, Reviewed a paper “Enhancing Cold Mix Asphalt Performance Through Fly Ash Substitution: A Marshal Stability Analysis”, Journal: International Journal of Polymer Science & Engineering, Publisher: Journals Pub, 12.06.2024.
16. **Keka Rana**, Reviewed a paper “A Study On Partial Replacement Of Fine Aggregates With Crumb Rubber And Cement With Metakaolin”, Journal: International Journal of Composite Materials and Matrices, Publisher: Journals Pub, 12.06.2024.
17. **Keka Rana**,Reviewed a paper “Products made from biological materials – Biopolymers”, Journal: International Journal of Polymer Science & Engineering, Publisher: Journal Pub, 06.07.2024.
18. **Keka Rana**,Reviewed a paper “Multifunctional Composite Materials: Innovations and Applications”, Journal: International Journal of Composite Materials and Matrices, Publisher: Journals Pub, 06.07.2024.
19. **Keka Rana**,Reviewed a paper “Evaluation of T-stress using FEM in an Unsymmetrical Cracks Emanating from a Hole Placed”, Journal: Journal of Material & Metallurgical Engineering, Publisher: STM JOURNALS, 10.07.2024.

20. **Keka Rana**, Reviewed a paper “Hydrogen-based Steel making - The future?”, Journal: Journal of Material & Metallurgical Engineering”, Publisher: STM JOURNALS, 10.07.2024.
21. **Keka Rana**, Reviewed a paper “Agribot: Arduino controlled Automatic seed sowing machine for small scale cultivation”, Journal: Emerging Trends in Chemical Engineering, Publisher: STM JOURNALS, 10.07.2024.
22. **Keka Rana**, Reviewed a paper “Nucleonic Level Measurement in Fluid Catalytic Cracking Unit Oil & Gas Refinery”, Journal: Emerging Trends in Chemical Engineering, Publisher: STM JOURNALS, 10.07.2024.
23. **Anoar Ali Khan**, Reviewed a paper “Performance Enhancement of Hollow Fiber Membrane Contactors for CO₂ Absorption using MEA-based Functionalized Nanofluids”, Journal: Microfluidics and Nanofluidics, Publisher: Springer, 05.07.2024.
24. **Anoar Ali Khan**, Reviewed a paper “Predictive modeling of CO₂ capture efficiency using piperazine solutions: A comparative study of white-box algorithms”, Journal: Discover Applied Sciences, Publisher: Springer, 19.07.2024.
25. **Dr. Sunil Baran Kuila**, Reviewed a manuscript for the Journal “Indian Chemical Engineer” on 11th June, 2024.
26. **Radharani Das**, Reviewed a paper No: JECE-D-24-04729 on “ADVANCEMENTS IN CERAMIC MEMBRANES FOR ROBUST OIL-WATER SEPARATION” for Journal of Environmental Chemical Engineering in April 2024.
27. **Siddhartha Sankar Boxi**, Reviewed a paper Ref: **JFUE-D-24-04137** “Viscosity or Viscoelasticity: What dominates the residual oil recovery in heterogeneous carbonate rocks?”, Fuel, Elsevier, 17.05.2024.
28. **Biswajit Mandal** successfully reviewed paper for the journal “Indian Chemical Engineer” entitled “Multi Objective Optimization using Artificial Neural Network to Maximize the Power Output of PEMFCs” on dated 08-Jun-2024.
29. **Biswajit Mandal** successfully reviewed paper for the journal “Indian Chemical Engineer” entitled “Recent advances in high temperature solid oxide electrolysis cell for hydrogen production” on dated 24-May-2024.
30. **Biswajit Mandal** successfully reviewed paper for the journal “Indian Chemical Engineer” entitled “Advances in 3D-printed electrodes for electrochemistry” on dated 13-May-2024.

31. **Biswajit Mandal** successfully reviewed paper for the journal “Indian Chemical Engineer” entitled “Potentials of high yielding carotenoids producing cyanobacterial regimes towards industrial sustainability: A comparative case study” on dated 13-May-2024.