

List of Important Research Articles in the last five years

1. Kaveramma, A. B. and Chakraborty, Abhisek and R Geetha Balakrishna*, Managing Film Crystallization via Low Toxic Antisolvents: Stabilizing Ag₃BiI₆ Perovskite like Solar cells under Ambient Conditions, *J. Mater. Chem. A*, 10.1039/D4TA07277D, in Press, (2025)
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5. Abhishek Narayanan, Nagaraj S Naik, Samadhan Kapse, Ranjith Thapa, R Geetha Balakrishna, Chandra Sekhar Rout & Mahesh Padaki, In Situ Casacde Steric Stabilization of Poly (Ionic Liquid) Mediated Hexagonal nickel Hydroxide Morphogenesis for high-Performance Flexible Super Capacitors, *Journal of Materials Chemistry A*, (2024).
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8. Karthikeyarajan Vinothkumar, R Geetha Balakrishna*, One-pot synthesis of NH₂-MIL-101(Fe) and α – Fe₂O₃ composite as efficient heterojunction for multifunctional photocatalytic membranes: Towards zero waste generation, *Appl. Cat., B: Environ*, 340,123199, (2024)
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11. Sumanth Dongre S, Asif Iqbal, Ranjit Thapa, Pratheeksha M, Shwetharani Ramu, and **R. Geetha Balakrishna**, Synergistic Catalyst Design for Enhanced Electrochemical Hydrogen Evolution: Fe₂O₃/MoS₂/Ti₃C₂T_x MXene Ternary Composite, *ACS Appl. Eng. Mater.* 2, (2024)
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List of Patents

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