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List of Publication

1. **Vishal Kushwaha**, Asha Gupta, Ram Bilash Choudhary, K. D. Mandal, Rakesh Mondal and Preetam Singh, Nanocrystalline β -NiS; A Redox-mediated Electrode in Aqueous Electrolyte for Pseudo-capacitor/Supercapacitor Applications, *Phys. Chem. Chem. Phys.*, 2023, **25**, 555-569.
2. Asha Gupta, **Vishal Kushwaha**, Rakesh Mondal, Abhay Narayan Singh, Rajiv Prakash, K. D. Mandal and Preetam Singh, SrFeO_{3- δ} : a novel Fe⁴⁺-Fe²⁺ redox mediated pseudocapacitive electrode in aqueous electrolyte, *Phys. Chem. Chem. Phys.*, 2022, **24**, 11066-11078.
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4. Abhay Narayan Singh, Krishna Gopal Nigam, Rakesh Mondal, **Vishal Kushwaha**, Asha Gupta, Chandana Rath, and Preetam Singh, Effect of strontium doping on the electrochemical pseudocapacitance of Y_{1-x}Sr_xMnO_{3- δ} perovskites, *Phys. Chem. Chem. Phys.*, 2023, **25**, 326-340.
5. Manish Kumar Verma, Vinod Kumar, Tapas Das, Ravi Kumar Sonwani, Vishnu Shankar Rai, Dinesh Prajapati, Kedar Sahoo, **Vishal Kushwaha**, Asha Gupta, Kamdeo Mandal, Synthesis of Bi₂Fe₄O₉ Crystalline Ceramic as Extremely Capable Photocatalyst via Proficient Chemical Route, *Journal of Minerals and Materials Characterization and Engineering*, 2021, **9**, 444-461.
6. **Vishal Kushwaha**, Rakesh Mondal, K. D. Mandal, Preetam Singh and Asha Gupta, H₂S Mediated One-pot Synthesis of Single Phase Hexagonal CoS nano-spheres: A Pseudocapacitive Electrode for Hybrid Supercapacitors, *ChemistrySelect*, 2023, **8**(34), e202301349.

International/National Conferences Attended

1. 3rd National Conference on “Materials for Energy Conversion and Storage” (**MECS-2018**), IIT (BHU) Varanasi, India, 18- 20 October 2018.
2. National conference on “Contemporary Trend and Future Prospects of Functional Materials” (**CTFM-2019**), Department of Chemistry, Banaras Hindu University, Varanasi, India, 29-30 November 2019.
3. Workshop on Instrumentation Techniques in Chemical Sciences (**ITCS-2021**), Department of Chemistry, Veer Bahadur Purvanchal University, Jaunpur, India, 25-29 June, 2021.
4. The International conference on Beyond Fossil Fuels: The Future of Alternative Energy Technologies (**B: FAT-2020**), IIT (BHU) Varanasi, India, 23-25, July 2022.