

## List of Publications

1. **Shraddha Jaiswal**, Rakesh Mondal, Vishal Kumar Kushwaha, Preetam Singh and Asha Gupta, *Tuning of Redox Energy of Transition-Metal Ions through the Utilization of Interlayer Potentials in Layered Perovskites: Development of a Titanium-Based Superior HER Catalyst in an Acidic Medium*. **ACS Applied Energy Materials** 2023, 6, 7323–7334.
2. **Shraddha Jaiswal**, Vaishali Soni, Preetam Singh and Asha Gupta, *Role of Cation Deficiency and the Inductive Effect in Ti-Doped NiO for Developing Superior Electrocatalysts for the Oxygen Evolution Reaction*. **ACS Applied Energy Materials** 2024, 7 (19), 8814-8825.
3. **Shraddha Jaiswal**, Subash Chandra Gupta and Asha Gupta, *Sol-Gel Synthesized Co-doped Ilmenite-NiTiO<sub>3</sub> for Oxygen Evolution Reaction: Interplay of Inductive Effect and Crystal Structure*. **ChemCatChem** 2025. <https://doi.org/10.1002/cctc.202500396>
4. Vaishali Soni, **Shraddha Jaiswal**, Krishna Gopal Nigam, Preetam Singh and Asha Gupta, *Nickel doped Lithium-vacant Layered Li<sub>y</sub>Cr<sub>1-x</sub>Ni<sub>x</sub>O<sub>2</sub>: A Potentially Active Electrocatalyst for Oxygen Evolution Reaction* **Journal of Materials Chemistry A** 2024, 12, 19212
5. Vaishali Soni, **Shraddha Jaiswal**, Preetam Singh, and Asha Gupta, *Aluminium doped Lithium-vacant Layered Li<sub>1-x</sub>Cr<sub>1-x</sub>Al<sub>x</sub>O<sub>2</sub>: A Potentially Active Electrocatalyst for Oxygen Evolution Reaction*. **ACS Applied Energy Materials** 2024, 7, 3175–3186

## International/National Conferences Attended

1. The International conference on “ChemCatCon 2.0: Mechanistic investigation on heterogeneous processes” IIT Gandhinagar, India, 14-16 May 2022.
2. The International conference on Beyond Fossil Fuels: The Future of Alternative Energy Technologies (B: FAT-2020), IIT (BHU) Varanasi, India, 23-25, July 2022.