

Name of the Teacher – Dr. Vaishali Vijaykumar Deshmukh

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Sr. No.	Title of Research Paper	Name of Journal	Year	Link of the Research Paper
1	Sr and Fe substituted LaCoO ₃ nano perovskites: Electrochemical energy storage and sensing applications	Journal of Energy Storage Volume 89, 1 June 2024, 111724	2024/6/1	https://doi.org/10.1016/j.est.2024.111724
2	Enhanced multifunctional properties of lanthanum-doped barium ferrite nanoparticles synthesized via sol-gel assisted hydrothermal method	Journal of Energy Storage Volume 82, 30 March 2024, 110559	2024/3/30	https://doi.org/10.1016/j.est.2024.110559
3	An In-Depth Exploration of Eco-Friendly Synthesis Methods for Metal Oxide Nanoparticles and Their Role in Photocatalysis for Industrial Dye Degradation	Chemical Physics Impact Volume 7, December 2023, 100355	2023/12/1	https://doi.org/10.1016/j.chphi.2023.100355
4	Development of novel Co ³⁺ doped LaMnO ₃ perovskite electrodes for supercapacitors and sensors: Mechanism of electrochemical energy storage and oxygen intercalation	Journal of Energy Storage Volume 68, 15 September 2023, 107805	2023/9/15	https://doi.org/10.1016/j.est.2023.107805
5	Structure, morphology and electrochemical properties of SrTiO ₃ perovskite: Photocatalytic and supercapacitor applications	Environmental Chemistry and Ecotoxicology Volume 3, 2021, Pages 241-248	2021	https://doi.org/10.1016/j.enceco.2021.07.001
6	Development of Co-doped MnFe ₂ O ₄ nanoparticles for electrochemical supercapacitors	Ceramics International, Volume 47, Issue 7, Part B, 1 April 2021, Pages 10268-10273	2021/4/1	https://doi.org/10.1016/j.ceramint.2020.07.191

7	NiO bio-composite materials: Photocatalytic, electrochemical and supercapacitor applications	Applied Surface Science Advances Volume 3, 100049	2021/3/1	https://doi.org/10.1016/j.apsadv.2020.100049
8	Lanthanum Doped Strontium Titanate nanomaterial for Photocatalytic and Supercapacitor Applications	Asian Journal of Chemistry ISSN: 0975-427X Vol.32, Issue 8(2020) P.N. 2013-2020	2020	https://doi.org/10.14233/ajchem.2020.2.2725
9	Characterization of Multicomponent Perovskite Oxide La _{0.8} Sr _{0.2} Co _{0.9} Fe _{0.1} O _{3-δ} Nanoparticles for Supercapacitor	International Journal of Advanced Materials Science (ISSN: 2231-1211) Vol. 8, Issue 1 (2017) P.N.17-31.	2017	
10	Synthesis and electrochemical study of manganese ferrite (MnFe ₂ O ₄) nanoparticles	International Journal of Current Research	2016/8/20	