

Shri Shivaji Science College, Amravati

Name of The Teaching Faculty: **V. V. Deshmukh**

Department: **Physics**

Total No of Papers Published: 11

Total No of papers in Scopus/ WoS: 09

S.N.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Details of Publication	Year of publication	ISSN number	Paper Scopus/ WoS indexed (Yes/No)	Direct Link to the Paper from Scopus/ WoS or Journal
1	Solution combustion synthesis of $(\text{Cu}_2\text{Mg}_3(\text{PO}_4)_3)$ nanoparticles: structural, optical, photocatalytic and electrochemical investigations.	BC Indumukhi, S Ishwarya, HP Nagaswarupa, Ramachandra Naik, Yashwanth Venkatraman Naik, VV Deshmukh , Abdullah A Al-Kahtani, Burragoni Sravanthi Goud, Jae Hong Kim	Physics	Journal of Nanoparticle Research	Volume 28, 04 March 2026, 72	2026	ISSN 1572-896X	Yes Impact Factor: 2.6	https://doi.org/10.1007/s11051-026-06596-z
2	Sr and Fe substituted LaCoO_3 nano perovskites: Electrochemical energy storage and sensing applications	VV Deshmukh , DM Tejashwini, HP Nagaswarupa, R Naik, AA Al-Kahtani, ...	Physics	Journal of Energy Storage	Volume 89, 1 June 2024, 111724	2024	ISSN: 2352-1538	Yes Impact Factor: 9.8	https://doi.org/10.1016/j.est.2024.111724

3	Enhanced multifunctional properties of lanthanum-doped barium ferrite nanoparticles synthesized via sol-gel assisted hydrothermal method	VV Deshmukh , HV Harini, R Naik, HP Nagaswarupa, N Basavaraju, ...	Physics	Journal of Energy Storage	Volume 82, 30 March 2024, 110559	2024	ISSN: 2352-1538	Yes Impact Factor: 9.8	https://doi.org/10.1016/j.est.2024.110559
4	An In-Depth Exploration of Eco-Friendly Synthesis Methods for Metal Oxide Nanoparticles and Their Role in Photocatalysis for Industrial Dye Degradation	DM Tejashwini, HV Harini, HP Nagaswarupa, Ramachandra Naik, VV Deshmukh , N Basavaraju	Physics	Chemical Physics Impact	Volume 7, December 2023, 100355	2023	ISSN 2667-0224	Yes Impact Factor: 3.8	https://doi.org/10.1016/j.chphi.2023.100355
5	Development of novel Co ³⁺ doped LaMnO ₃ perovskite electrodes for supercapacitors and sensors: Mechanism of electrochemical energy storage and oxygen intercalation	V.V. Deshmukh , H.V. Harini, H.P. Nagaswarupa, Ramachandra Naik, C.R. Ravikumar	Physics	Journal of Energy Storage	Volume 68, 15 September 2023, 107805	2023	ISSN: 2352-1538	Yes Impact Factor: 9.8	https://doi.org/10.1016/j.est.2023.107805
6	Structure, morphology and electrochemical properties of SrTiO ₃ perovskite: Photocatalytic and supercapacitor applications	V.V. Deshmukh , C.R. Ravikumar, M.R. Anil Kumar, Suresh Ghotekar, A. Naveen Kumar, A.A. Jahagirdar, H.C. Ananda Murthy	Physics	Environmental Chemistry and Ecotoxicology	Volume 3, 2021, Pages 241-248	2021	ISSN: 2590-1826	Yes Impact Factor: 8.2	https://doi.org/10.1016/j.encco.2021.07.001

7	NiO bio-composite materials: Photocatalytic, electrochemical and supercapacitor applications	B. Avinash, C.R. Ravikumar, M.R. Anil Kumar, M.S. Santosh, C. Pratapkumar, H.P. Nagaswarupa, H.C. Ananda Murthy, V.V. Deshmukh,	Physics	Applied Surface Science Advances	Volume 3, 1 March 2021, 100049	2021	ISSN: 2666-5239	Yes Impact Factor: 8.7	https://doi.org/10.1016/j.apsadv.2020.100049
8	Development of Co-doped MnFe ₂ O ₄ nanoparticles for electrochemical supercapacitors.	V.V. Deshmukh, H.P. Nagaswarupa, N. Raghvendra	Physics	Ceramics International,	Volume 47, Issue 7, Part B, 1 April 2021, Pages 10268-10273	2021	ISSN: 0272-8842		https://doi.org/10.1016/j.ceramint.2020.07.191
9	Lanthanum Doped Strontium Titanate nanomaterial for Photocatalytic and Supercapacitor Applications.	V.V. Deshmukh, H.P. Nagaswarupa, C.R. Ravikumar	Physics	Asian Journal of Chemistry	Vol.32, Issue 8(2020) P.N. 2013-2020 https://doi.org/10.14233/ajchem.2020.22725	2020	ISSN: 0975-427X		