

## Research Publication

### Research Papers publication:

Sr. No.	Title of papers	Name of Author	Journal	ISSN/ISBNNo.	National International with impact factor. If any
1	“Low-temperature H <sub>2</sub> S detection using Fe-doped SnO <sub>2</sub> /rGO nanocomposite sensor”.	NB Thakare, <b>D. N. Bhoyar</b> , UP Gawai, V S Kalyamwar, K. B. Raulkar, P. S. Bodkhe and G. T. Lamdhade	RSC, 2025, Published by the Royal Society of Chemistry.2025, 15, 26308–26320, Accepted 9th July 2025.	<b>2046-2069</b>	International
2	Electron Trajectories of Electromagnetic Wave Undulator and Reverse Axial Field,	Vijay Huse, Prafull Padghal, <b>Dhananjay Bhoyar</b> , Bramh Prakash,.	IJSRST Vol-12 issue -8 p. 769-772, 12 March 2025	<b>ISSN : 2395-602X   Print ISSN : 2395-6011</b>	International
3	“Multiferroic Fe <sup>3+</sup> ion doped BaTiO <sub>3</sub> Pervoskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations”	<b>Dhananjay N. Bhoyar</b> , Sandeep B. Somvanshi, P. B. Nalle, V. K. Mande, A. A. Pandit, K. M. Jadhav	Journal of Physics: Conference Series, 1644 (2020) 012058 IOP Publication	1742-6596	International
4	“Characterisation Techniques for Monuments: An Overview”	Pallavi B. Nalle, Sangita Shinde, <b>D.N. Bhoyar</b> , V. B. Huse,	OURHERITAGE, Vol-68, Special Issue-11 Impact Factor (2020)- 6.8	0474-9030	International (6.8)
5	“Structural , infrared, magnetic and ferroelectric properties of Sr <sub>0.5</sub> Ba <sub>0.5</sub> Ti <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> nanoceramics: Modification via trivalent Fe ion doping”	<b>Dhananjay Natthuji Bhoyar</b> , Sandeep B. Somvanshi, Prashant B. Kharat, A. A. Pandit, K. M. Jadhav,	Physica B: Physics of Condensed Matter, vol. 581, 15 March 2020, 411944	0921-4526	International (1.902)
6	“Doping Effect of Fe Ions on the Structural, Electrical, and Magnetic Properties of SrTiO <sub>3</sub> Nanoceramic Matrix”	<b>D.N. Bhoyar</b> , J. S. Kounsalye, P. P. Khirade, A. A. Pandit, K. M. Jadhav	Journal of Superconductivity and Novel Magnetism, 1-12 (2018)	1557-1947	International (1.506)
7	“Investigation of Structural, Electrical and Magnetic Behavior of SrTiO <sub>3</sub> Influence of Fe Ions”	<b>Dhananjay Natthuji Bhoyar</b> , Mahendra Shisode, Prashant B. Kharat, K. M. Jadhav,	Journal of Chemical, Biological and Physical Sciences (2018)	2249-1929	International (1.763)

8	“Effect of Zn <sup>2+</sup> -Cr <sup>3+</sup> substitution on structural, morphological, magnetic and electrical properties of NiFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles”	V.K. Mande, <b>D.N.Bhoyar</b> , S.K. Vyawahare, K.M.Jadhav,	Journal of Materials Science: Materials in Electronics 29 (17), 15259-15270 (2018)	1573-482X	International (2.171)
9	“Radiation-induced modifications in structural, electrical and dielectric properties of Ti <sup>4+</sup> ions Substituted Li <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> nanoparticles”	J.S.Kounsalye, P.B.Kharat, <b>D.N.Bhoyar</b> , K.M.Jadhav,	Journal of Materials Science: Materials in Electronics 29(10), 8601-8609(2018)	1573-482X	International (2.171)
10	“Structural, Microstructural, Magnetic, and Ferroelectric Properties of Ba <sup>2+</sup> -Doped BiFeO <sub>3</sub> Nanocrystalline Multiferroic Material”	M.V.Shisode, <b>D.N.Bhoyar</b> , P.P.Khirade, K.M.Jadhav,	Journal of Superconductivity and Novel Magnetism, 1-9(2017)	1557-1947	International (1.506)
11	“Structural and multiferroic properties of Ba <sup>2+</sup> doped BiFeO <sub>3</sub> nanoparticles synthesized via sol-gel method”	M.V.Shisode, P.B.Kharat, <b>D.N.Bhoyar</b> , V.Vinayak, M.K.Babrekar, K.M. Jadhav,	AIP Conference Proceedings 1953(1), 030276(2018)	0094243X, 15517616	International(0.40)
12	“Effect of RE(Nd <sup>3+</sup> , Sm <sup>3+</sup> ) oxide on structural, optical properties of Na <sub>2</sub> O-Li <sub>2</sub> O-ZnO-B <sub>2</sub> O <sub>3</sub> glass system”	M.M.Hivrekar, <b>D.N.Bhoyar</b> , V.K.Mande, V.V.Dhole, M.B. Solunke, K.M.Jadhav,	AIP Conference Proceedings 1953(1), 090074(2018)	0094243X, 15517616	International(0.40)
13	“Synthesis and characterization of water based NiFe <sub>2</sub> O <sub>4</sub> ferrofluid”	P.B.Kharat, M.V. Shisode, S.D.Birajdar, <b>D.N.Bhoyar</b> , K.M.Jadhav,	AIP Conference Proceedings 1832 (1), 050122 (2017)	0094243X, 15517616	International(0.40)
14	“Structural and Dielectrical Properties of Pure and Strontium Doped Barium Titanate Nanoparticles by Sol-Gel Auto Combustion Method” P.M.	Kshirsagar, P.P.Khirade, <b>D.N.Bhoyar</b> , S.J.Shukla, K.M. Jadhav,	International Journal of Innovative Science, Engineering & Technology 4 (2) (2017)	2348-7968	International(5.45)
15	“Tartaric Acid Novel Fuel Approach: Synthesis and Characterization of CoFe <sub>2</sub> O <sub>4</sub> NanoParticles”	G.Kale, A.V.Humbe, P.B. Kharat, <b>D.N.Bhoyar</b> , K.M Jadhav,	BIONANO FRONTIER 8(3), 146-148(2015)	2320-9593	International

**Publications other than journal articles (books, chapters in books)**

Sr. No.	Title with page nos./ Chapter with page no.	Book Title, editor & publisher	Publication International/ National/Local	ISSN/ ISBN No.	No. of Co-author s	Whether you are the main author
1	On axis Harmonics Generation in Planer Electromagnet Undulator	Materials for Optoelectronic Applications Statperson Publishing Corporation	International	978-1-387-42404-7	2	No
2	Synthesis of ZnO Nanoparticles by Chemical Precipitation Method, 68-71	UGC Sponsored National Conference on Recent Advancements in Science & Technology	National	978-81-19931-25-5	5	No
3	Recent Progresses in Gas Sensors Based on Reduced Graphene Oxide-ZnO Composites, 287-293	UGC Sponsored National Conference on Recent Advancements in Science & Technology	National	978-81-19931-25-5	4	No