

**\* No of International Journal Publications : 20**

**No of citations: 153 (since2013)**

**h - index: 7**

**i10 index : 5**

Sr. no.	Details of Publications
<b>2008</b>	
1	Electrodeposited zinc oxide thin films: Nucleation and growth mechanism <b>Solar Energy Materials and Solar Cells, 91 (10) (2007)864-870</b> A.I. Inamdar, <b>M.B. Shelar</b> , P.S. Shinde, P.S. Patil* <a href="https://doi.org/10.1016/j.solmat.2007.01.018">doi:10.1016/j.solmat.2007.01.018</a>
<b>2009</b>	
2	Structural and electrical properties of nickel cadmium ferrites prepared through self propagating auto combustion method.,, <b>Journal of Alloys and Compounds, 476 (1-2) (2009) 760-764</b> , M.B. Shelar, S.S. Chougule, M.M. Mallapur, B.K. Chougule <a href="https://doi.org/10.1016/j.jallcom.2008.09.107">doi:10.1016/j.jallcom.2008.09.107</a>
3	Magneto electric effect in three phase y ( $\text{Ni}_{0.5}\text{Cu}_{0.2}\text{Zn}_{0.3}\text{Fe}_2\text{O}_4$ ) + (1 - y) (50% $\text{BaTiO}_3$ + 50% PZT) ME composites, <b>Journal of Alloys and Compounds, 479 (2009) 385-389</b> P.A. Jadhav, <b>M.B. Shelar</b> , B.K. Chougule <a href="https://doi.org/10.1016/j.jallcom.2008.12.065">doi:10.1016/j.jallcom.2008.12.065</a>
<b>2010</b>	
4	Synthesis and characterization of (y) $\text{Ni}_{1-x}\text{Cd}_x\text{Fe}_2\text{O}_4$ and (1-y) $\text{Ba}_{0.8}\text{Sr}_{0.2}\text{TiO}_3$ Magnetoelectric composites prepared through combustion method, <b>Archives of Applied Science Research, 2 (1) (2010) 406-415</b> <b>M.B. Shelar</b> , P.A. Jadhav, B.K. Chougule* and V.R. Puri*
5	Structural and dielectric behavior of (y) $\text{Ni}_{1-x}\text{Cd}_x\text{Fe}_2\text{O}_4$ and (1-y) $\text{Ba}_{0.8}\text{Sr}_{0.2}\text{TiO}_3$ ME composites prepared through self propagating auto combustion route, <b>International Journal of Self propagating High Temperature Synthesis, 19(2) (2010) 102-109</b> <b>M.B. Shelar</b> , P.A.Jadhav and V.R. Puri* <a href="https://doi.org/10.3103/S1061386210020044">doi: 10.3103/S1061386210020044</a>
6	Chemical synthesis and studies on structural and magnetic properties of fine grained nickel cadmium ferrites, <b>Journal of Magnetism and Magnetic Materials, 322 (2010) 3355 – 3358</b> <b>M. B. Shelar</b> , P.A. Jadhav, S.S. Chougule, D. R. Patil, Vijaya Puri and B.K. Chougule* <a href="https://doi.org/10.1016/j.jmmm.2010.06.026">doi: 10.1016/j.jmmm.2010.06.026</a>
7	Microwave studies of ferrite-ferroelectric composites prepared through self propagating auto combustion route, <b>Progress in Electromagnetic Research: C, 17 (2010) 55-65</b> <b>M.B. Shelar</b> , R.N. Jadhav and Vijaya Puri* <a href="https://doi.org/10.2528/PIERS10093002">doi:10.2528/PIERS10093002</a>
8	Structural, electrical conduction and magnetoelectric properties of y ( $\text{Ni}_{0.3}\text{Cu}_{0.4}\text{Zn}_{0.3}\text{Fe}_2\text{O}_4$ ) + (1-y)

	[50% BaTiO <sub>3</sub> +50% PZT] ME composites, <b>Physica B: Condensed Matter</b> , <b>405</b> (3) (2010) 857-861 P.A. Jadhav, <b>M.B. Shelar</b> , S.S. Chougule, B.K. Chougule <a href="https://doi.org/10.1016/j.jallcom.2008.12.065">doi:10.1016/j.jallcom.2008.12.065</a>
9	Synthesis and magnetoelectric properties of (y) Ni <sub>0.3</sub> Cu <sub>0.4</sub> Zn <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> + (1-y) [50 % BaTiO <sub>3</sub> + 50 % PZT] ME composites, <b>Journal of Alloys and Compounds</b> , <b>490</b> (1-2)(2010) 195-199 P.A. Jadhav, <b>M.B. Shelar</b> , S.S. Chougule, B.K. Chougule <a href="https://doi.org/10.1016/j.jallcom.2009.09.017">doi:10.1016/j.jallcom.2009.09.017</a>
10	Synthesis and property measurement of three phase ME composites, <b>Archives of Applied Physics Research</b> , <b>1</b> (1) (2010) 92-99 P. A. Jadhav, <b>M. B. Shelar</b> and B. K. Chougule* <a href="http://scholarsresearchlibrary.com/archive.html">http://scholarsresearchlibrary.com/archive.html</a>
<b>2011</b>	
11	Dielectric loss and magnetic behavior of ferrite-ferroelectric composites synthesized using SHS route <b>International Journal of Self propagating High Temperature Synthesis</b> , <b>20</b> (2) (2011) 128-133 <b>M.B. Shelar</b> and Vijaya Puri* <a href="https://doi.org/10.3103/S1061386211020117">doi:10.3103/S1061386211020117</a>
12	Magnetic properties of nanocrystalline nickel zinc ferrites synthesized by SHS method, <b>International Journal of Self propagating High Temperature Synthesis</b> <b>20</b> (2) (2011) 118-123 H.V. Jamadar, <b>M.B. Shelar</b> and A.M. Shaikh* <a href="https://doi.org/10.3103/S1061386211020087">doi:10.3103/S1061386211020087</a>
<b>2012</b>	
13	Ni0.4CoxCd0.6-xFe2O4 ferrites as prepared by autocombustion synthesis, <b>International Journal of Self propagating High Temperature Synthesis</b> , <b>21</b> (3) (2012) 212-216 N.D. Patil, <b>M.B. Shelar</b> and Vijaya Puri* <a href="https://doi.org/10.3103/S1061386212040024">doi:10.3103/S1061386212040024</a>
14	Role of concentration and temperature on well-aligned ZnO nanorod by Low-temperature wet chemical bath deposition method, <b>Archives of Physics Research</b> , <b>2012</b> , <b>3</b> (5):401-406 G.R. Patil, <b>M.B.Shelar</b>
15	Nanocrystalline ZnO Films Deposited by Spray Pyrolysis: Effect of Gas Flow Rate <b>International Journal of Self Propagating High Temperature Synthesis</b> , <b>21</b> (3) 2012, 178–182 R.S. Gaikwad, <b>M.B. Shelar<a href="https://doi.org/10.3103/S106138621203003X">doi:10.3103/S106138621203003X</a></b>
<b>2013</b>	
16	Combustion synthesized ferrites and ferroelectrics for microwave applications <b>International Journal of Self Propagating High Temperature Synthesis</b> , <b>22</b> (2) <b>2013</b> , 93-98 <b>M.B. Shelar</b> and Vijaya Puri *

	<a href="http://doi:10.3103/S1061386213020088">doi:10.3103/S1061386213020088</a>
17	Voltage stability Enhancement and power oscillation damping using static synchronous series compensator with SMES, <b>Journal of Engineering and Technology Research, 1 (1) 2013, 94-99</b> A. Malgave <sup>1</sup> , M.B. Shelar <sup>2</sup> and A.M. Mulla* <a href="http://www.scientiarsearchlibrary.com/arhcive.php">http://www.scientiarsearchlibrary.com/arhcive.php</a>
18	<b>Enhancement of Power Quality by an application of DVR</b> Journal of Engineering and Technology Research, 2013, 1 (1):65-71 Prashant Kumar <sup>1</sup> , <b>M.B. Shelar<sup>1</sup></b> Y.R Atre <sup>2</sup> <a href="http://www.scientiarsearchlibrary.com/arhcive.php">http://www.scientiarsearchlibrary.com/arhcive.php</a>
<b>2018</b>	
19	The Structural and X – band microwave properties of cadmium Substituted Nickel ferrite with BST ferroelectric phase as composite prepared through SHS route, <b>International Journal of Self propagating High Temperature Synthesis27, (3) 2018, 167-173</b> <b>M.B. Shelar</b> , Vijaya Puri*, S.N. Yadav, R.M.Kurane, S.M.Patange. <a href="http://doi:10.3103/S106138621803010X">doi: 10.3103/S106138621803010X</a>
<b>2019</b>	
20	Synthesis of Ni-Cd ferrites and its structural, magnetic and microwave absorbing properties <b>International Journal of Self propagating High Temperature Synthesis</b> <b>M.B. Shelar</b> , 28 (2) 2019 173-178 <a href="http://doi:10.3103/S1061386219030142">doi: 10.3103/S1061386219030142</a>

*	<b>Workshops / Conferences/ FDP's</b>
1	Effect of Complexing agents on electrodeposited ZnO thin films. <b>M.B. Shelar</b> , P.S. Patil * National Seminar on Materials for Advanced Technologies (NASMAT), Department of Physics, Shivaji University, Kolhapur (2006).
2	Studies on structural and electrical properties of nanostructured Ni-Cd ferrites by chemical route Raman Memorial Conference, Department of Physics, <b>Pune (2008)</b> . <b>M. B. Shelar</b> , M.M. Mallapur, P.A. Jadhav, S.S. Chougule and B. K. Chougule*
3	Attended the Workshop on Frontiers in Physics and Chemistry, First <b>Interdisciplinary Shivaji University (India) - Hanyang University (S. Korea)</b> Bilateral summit ( <b>2007</b> ), Department of Physics, Shivaji University, Kolhapur
9	Participated in <b>International Conference on Materials and Environmental Science</b> held on 7 <sup>th</sup> - 8 <sup>th</sup> December 2018 at Shivaji University, Kolhapur (M.S., India)
10	Presented Poster in <b>International Conference on Physics of Materials and Materials Based Device Fabrication</b> , hosted by Department of Physics, Shivaji University, Kolhapur was held on <b>10th- 11<sup>th</sup></b>

	<b>January, 2019</b>
11	Presented Paper on at National Conference on “ <b>Exploring New Dimensions in Teaching- Learning for Quality Education</b> ” on 8- 9 <sup>th</sup> June, 2019 at K. K. Wagh Institute of Engineering Education and Research, Nashik.
12	Attended AICTE Approved 7 days FDP on Induction Program at <b>IIT, Ropar, Punjab</b> from 02-08 July 2019

\* **Awards/Honors**

- 1 Secured 1<sup>st</sup> rank in physics M.Sc. entrance (**96/100**) held at Shivaji University Kolhapur in **2004** and awarded 10,000/- merit scholarship.
- 2 Worked as a Junior Research fellow (Applied Materials Company, USA), Department of Metallurgy engineering and Materials Science, **IIT, Bombay, Powai, Mumbai** (Feb 2007 to Oct 2007).
- 3 Awarded **1<sup>st</sup> prize on Einstein's Day** for poster and oral presentation at **Shivaji university** on Feb. 2006 during M.Sc.
- 4 Awarded **3<sup>rd</sup> prize** for poster presentation in **National seminar on physics and materials based device fabrication** held on Feb. 17- 2011 held at Department of Physics, Shivaji University.

\* **International Journals Reviewer Experience:**

\* **Working as**

1. **Editorial Board Member**, Science Publishing Group, Journal of Science since 12-12-2012 to till date
2. **Reviewer in Advances in Materials**, Science Publishing Group since 27-10-2018
3. **Reviewer in Progress in Electromagnetic Research, Springer link** since 25<sup>th</sup> March 2018
4. **Reviewer in International Journal of Hydrogen Energy, Elsevier** since 1<sup>st</sup> March 2020
5. **Reviewer in International Journal of Biochemistry and Biotechnology** since 01-07-2012 to till date
6. Working as an **Executive Editor in Scientia Research Library** since 26-10-2013 to till date