

<b>Staff Profile Format:</b>	
<b>Name</b>	<b>Dr. Shivanand Madolappa</b>
<b>Qualification</b>	<ul style="list-style-type: none"> <li>• Ph.D., Gulbarga University, Kalaburgi , 2013</li> <li>• M Sc., Gulbarga University, Kalaburgi- 2008</li> </ul>
<b>Awards</b>	<ul style="list-style-type: none"> <li>• Dr. D.S. Kothari Postdoctoral Fellowship-</li> <li>• UGC- Research fellowship in science for meritorious students to promote quality research in Universities/Department 2010-11</li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>• Academic: 3 years</li> <li>• Research: 9 years</li> <li>• 2017 to present- <b>Assistant Professor</b>, Dept. of Physics, M. S. Ramaiah University of Applied Sciences, Bangalore.</li> <li>• <b>Publication and Patents Co-ordinator</b> for Faculty of Mathematical and Physical Sciences 2009 to 2013 – Research fellow, Department of Materials Science, Gulbarga University, Kalaburgi.</li> <li>• 2016 to 2017- <b>Assistant Professor</b>, Dept. of Physics ( P. G. Level), Acharya Institute of Graduate Studies, Soladevanahalli, Bangalore.</li> <li>• 2013-2016- Dr. D.S. Kothari Postdoctoral Fellow, Materials Research Centre, Indian Institute of Science, Bangalore.</li> </ul>
<b>Research</b>	<ul style="list-style-type: none"> <li>• Interest: <b>Materials Science, Condensed matter physics, nanomaterials and Solid state physics.</b></li> <li>• Expertise: <b>Dielectric materials, X-ray diffraction</b></li> <li>• Grants: -</li> </ul>
<b>Publications</b> (Detailed list of Publications)	<ul style="list-style-type: none"> <li>• Ph.D. Dissertation: <b>Studies on synthesis and properties of modified Barium titanate and CNT-reinforced ceramics.</b></li> <li>• National Conference Papers: <b>03</b></li> <li>• International Conference Papers: Nil</li> <li>• National Journal Papers: 02</li> <li>• <b>International Journal Papers: 16</b></li> <li>1. L. Rao, B. Pahari, <b>S. Madolappa</b>, T. Shet, and K. V. Ramanathan NMR investigations unveil phase composition–property</li> </ul>

correlations in  $\text{Sr}_{0.55}\text{Na}_{0.45}\text{SiO}_{2.775}$  fast ion conductor, *Solid state nuclear magnetic resonance* Vol 24 204-209 2017.

2. **S. Madolappa**, B. Ponraj, R. Bhimireddi and K. B. R. Varma, Enhanced magnetic and dielectric properties of Ti-doped  $\text{YFeO}_3$  ceramics, *Journal of the American Ceramic Society*, 100 (6): 2641–2650 (2017).
3. **S. Madolappa**, S. Kundu, R. Bhimireddi and K. B. R. Varma Improved insulating Characteristic of Pr-doped  $\text{BiFeO}_3$  ceramics prepared by sol-gel route, *Mater. Res. Express* 3, 065009, (2016).
4. **S. Madolappa**, A. V. Anupama, P. W. Jaschin, K. B. R. Varma and B. Sahoo, Improved ferroelectric and magnetic characteristics of  $\text{Gd}^{3+}$  and  $\text{Ti}^{4+}$  co-doped  $\text{BiFeO}_3$  multiferroic, *Bulletin of Materials Science*, 39(2): 593-601, (2016).
5. **S. Madolappa**, R. Sagar, N. Sharanappa, R. L. Raibagkar, Investigation on microstructure and dielectric behavior of  $(\text{Ba}_{0.999-x}\text{Gd}_{0.001}\text{Cr}_x)\text{TiO}_3$ , *Bulletin of Materials Science*, 36(4): 601-606, (2013).
6. **S. Madolappa**, R. Sagar, N. Sharanappa, R. L. Raibagkar, PTCR and Thermoelectric properties of isovalent co-doped  $\text{BaTiO}_3$  nanoceramics, *Ferroelectric Letters Section*, 39: 20-24, (2012).
7. **S. Madolappa**, R. Sagar and R. L. Raibagkar, Synthesis, structure and electrical investigation of Gd- and Cr-doped  $\text{BaTiO}_3$  nano particle ceramics, *Ferroelectrics*, 413: 37-45, (2011).
8. N. Sharanappa, **S. Madolappa**, R. Sagar, R. L. Raibagkar, PTCR-NTCR composite behavior of bismuth titanate ceramics, *AIP conference Proceeding*, 1536: 561-562 (2013).
9. C. M. Tavade, N. Sharanappa, **S. Madolappa**, R. Sagar, R. L. Raibagkar, Temperature dependent impedance behavior of  $(\text{Ba}_{0.6}\text{Sr}_{0.4})(\text{Zr}_{0.65}\text{Ti}_{0.35})\text{O}_3$ , *AIP conference Proceeding*, 1536: 563-564 (2013).
10. R. Sagar, **S. Madolappa** and R. L. Raibagkar, Synthesis, structure and electrical studies of praseodymium doped barium zirconium titanate, *Materials Chemistry and physics*, 140(1): 119-125 (2013).
11. C. M. Tawade, **S. Madolappa**, N. Sharanappa, and R. L. Raibagkar, Microstructural and electrical study of  $(\text{Ba}_{0.6}\text{Sr}_{0.4})(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$  ceramics, *International journal of research in engineering and technology*, 2(08): 184-187 (2013).
12. R. Sagar, P. Hudge, **S. Madolappa**, A. C. Kumbharkhane and R. L. Raibagkar, Electrical properties and microwave dielectric behavior of holmium substituted barium zirconium titanate ceramics, *Journal of Alloys and Compound* 537: 197-202 (2012).
13. N. Sharanappa, **S. Madolappa**, R. Sagar, R. L. Raibagkar, Synthesis, structure, thermal and electrical behavior of La-doped bismuth titanate ceramics, *Ferroelectrics Letters section*, 39: 81-87 (2012).
14. R. Sagar, **S. Madolappa** and R. L. Raibagkar, Electrical, dielectric and pyroelectric behavior of Neodymium substituted barium zirconium titanate, *Solid State Sciences* 14: 211-215 (2012).

	<p><b>15.</b> R. Sagar, <b>S. Madolappa</b> and R. L. Raibagkar, NTCR behavior of Sm-substituted barium zirconium titanate nanocrystalline solid solution, <i>Solid State Communications</i> 151: 1949–1952 (2011).</p> <p><b>16.</b> R. Sagar, <b>S. Madolappa</b> and R. L. Raibagkar, Diffuse phase transition and pyroelectric behavior of cerium doped <math>\text{Ba}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3</math>, <i>Ferroelectrics Letters section</i>, 38:128–133 (2011).</p> <p><b>17.</b> R. Sagar, <b>S. Madolappa</b> and R. L. Raibagkar, Surface Morphology and Dielectric Behavior of Gd-Doped <math>\text{Ba}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3</math> Nanocrystalline Ceramics, <i>Transaction of Indian Ceramic Society</i>, 70 [3]: 71-77 (2011).</p> <p><b>18.</b> R. Sagar, <b>S. Madolappa</b>, and R. L. Raibagkar, Dielectric and Impedance Studies of Ce-Doped <math>\text{Ba}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3</math>, <i>Integrated Ferroelectrics</i>, 130:21-26 (2011).</p> <p><b>19.</b> R. Sagar, <b>S. Madolappa</b>, R. L. Raibagkar, Surface Morphology and Dielectric Studies of <math>\text{Zr}^{4+}</math>-Rich Barium Titanate, <i>American Institutes of Physics Conference Proceeding</i>, 1349: 645-646 (2011).</p> <p><b>20.</b> R. Sagar, <b>S. Madolappa</b>, and R. L. Raibagkar, Structural and Transport Properties of <math>\text{Ba}_{1-2x}\text{Gd}_{2x}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3</math> nanocrystals, <i>Bionano Frontier, Spl. Issue</i> 221-225 (2010).</p> <p><b>21.</b> C. M. Tavade, R. Sagar, <b>S. Madolappa</b> and R. L. Raibagkar, Synthesis and structural parameters of <math>(\text{Ba}_{0.6}\text{Sr}_{0.4})(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3</math> (<math>x = 0.4</math> and <math>0.5</math>) nanoceramics, <i>World Journal of Science and Technology</i>, 1[8] 12-14 (2011).</p> <p><b>22.</b> <b>S. Madolappa</b>, N. Punia, H. Choudhary, B. Sahoo, Defect structure and giant dielectric properties of Mn doped <math>\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3</math> (Under preparation)</p> <p><b>Book Authored:03</b></p> <ol style="list-style-type: none"> <li>1. Magnetic and dielectric studies of Ti-doped <math>\text{YFeO}_3</math> ceramics, LAP LAMBERT academic publishing, ISBN: 978-613-9-81571-5.</li> <li>2. Synthesis and studies of pr-doped <math>\text{BiFeO}_3</math> nano ceramics, LAP LAMBERT academic publishing, ISBN: 978-613-9-58409-3</li> <li>3. Dielectric and magnetic properties of co-doped <math>\text{BiFeO}_3</math> ceramics, LAP LAMBERT academic publishing, ISBN: 978-3-659-97701-5.</li> </ol>
<p><b>Teaching</b></p>	<ul style="list-style-type: none"> <li>• <b>Modules Taught:</b> Mathematical methods of Physics, Solid state physics, Physics of Nanomaterials, Materials Science, instrumentation and experimental techniques and Engineering Physics.</li> <li>• UG Thesis Advised: Nil</li> <li>• PG MS Thesis Advised:01</li> <li>• PhD Dissertation Advised: (Detailed List) Nil</li> </ul>

	<ul style="list-style-type: none"><li>• Professional Memberships: Nil</li></ul>
<b>Achievements</b>	<ul style="list-style-type: none"><li>• Materials Research Society of India prize for the <b>Best paper published</b> in the Bulletin of Materials Science entitled <b>Magnetic and Ferroelectric characteristics of Gd<sup>3+</sup> and Ti<sup>4+</sup> co-doped BiFeO<sub>3</sub> ceramics</b>, Vol.39, No.2 April 2016 pp 593-601.</li><li>• Dr. D. S. Kothari Postdoctoral Fellowship (UGC-New Delhi).</li><li>• Research Fellow in Science for Meritorious Student (RFSMS) (UGC-New Delhi).</li></ul>