

## **Dr. Gaurav Mahadev Lohar**

**M.Sc., Ph.D.**

**Male. Born on January 24, 1988, Unmarried**

**Languages Known: English, Hindi, Marathi**

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Google Scholar: <https://scholar.google.co.in/citations?user=JvcR34UAAAAJ&hl=en&cstart=20&pagesize=20>

### **CAREER OBJECTIVE**

Present objective is to establish a group and alliances to work at the interface of material science and nanotechnology. To utilize knowledge, analytical skills, and experience to explore multidisciplinary research to create novel materials, advanced technologies, and provide technical support to groups with common interests.

### **HIGHLIGHTS**

Dedicated individual with excellent technical, analytical and communication skills demonstrated by over 6 years of experience. Good experience of working on academic research projects. Hands-on experiences with modern material characterization and analytical tools. Presently working on Solar Cells, Biosensors and graphene-based composites for flexible energy storage devices. Capable of independent research and also have experience of supervising master students' projects. Have excellent English language skills to compile scientific proposals and research papers. Sound knowledge of computer applications in research activities. Present research h-index is 10 and i-10 index is 12 with 39 scientific publications. A present citation index is 267 (times cited).

### **RESEARCH AND ACADEMIC EXPERIENCE**

1. **June 2016-present**, Assistant Professor, Department of Physics, Lal Bahadur Shastri College, Satara (M.S.) India
2. **July 2011-2015**, Ph.D. Material Science, Photoelectrochemical Cell Performance of Electron Beam Irradiated Iron Doped Zinc Selenide Thin Films.
3. **2009-2011**, M.Sc. Optics,
4. **2006-2009**, Physics

### **AWARDS AND APPRECIATION**

1. The Indian Science Congress Association (ISCA) Young Scientist Award 2019.
2. InSc Young Achiever Award 2019.
3. Early Career Research Award (DST-SERB, Government of India)
4. UGC Meritorious Fellow, UGC New Delhi, 2012-13 and 2013-14
5. Conducted M.Sc. (Modern optics) practical during 2012-2015 (3 years)
6. Contributed to developing the physics instrumentation facility center (PIFC) at Department of Physics, Shivaji University, Kolhapur (India)

### **PATENT SUBMITTED**

<b>Sr. No.</b>	<b>Patent Title</b>	<b>Name of Applicant(s)</b>	<b>CBR No.</b>	<b>CBR Date</b>	<b>Agency/ Country</b>
1.	Effect of high energy electron irradiation on gold substitute electrochemically reduced graphene oxide: modified photoluminescence properties	<b>Dr. Gaurav Mahadev Lohar</b> Dr. Swati Tanaji Jadhav, Dr. Vijay Janardan Fulari	2072	30/01/2017	India

### **PROJECT SANCTIONED**

<b>Sr. No.</b>	<b>Project title</b>	<b>Status PI/Co-PI</b>	<b>Funding Agency</b>	<b>Amount (Lakh)</b>
1.	Performance and evaluation of high energy electron irradiation on metal oxide reduced graphene oxide composite for supercapacitor and biosensor applications	PI	DST-SERB	2177550/-
2.	Performance and evaluation of copper oxide reduced graphene oxide composite for supercapacitor and biosensor applications	PI	Shivaji University	70000/-

### **INSTRUMENTS HANDLED**

1. Solar simulator
2. Field emission scanning electron microscope (JEOL JSM-6360 Japan)
3. Spectrofluorometer (Bruker, Fluoromax 4)
4. X-ray diffraction (Bruker D2 phaser tabletop model)
5. Ultraviolet-vis spectrophotometer (UV-1800 Shimadzu, Japan)
6. Electrochemical workstation (Potentiostat galvanostat with EIS)
7. Raman Spectroscopy (Bruker AXE Analytical Instruments PVT, Germany)
8. High-Temperature programmable furnace
9. Spin coating unit
10. LCR meter
11. Hologram recording

### **OTHER INFORMATION**

- Life member:
  - ❖ Laser & Spectroscopy Society of India
  - ❖ Indian Science Congress
  - ❖ Institute of Scholar (InSc unit of SDPL)
- Organizing Secretary: National conference on Recent Trends in Physical, Chemical and Nanoscience (NCRT-PCNano- 2017)
- Participation in National/International conference: 17
- Number of National/International Research Publications: 43
- Talk delivered in National/International conference: 05
- Citations: 309
- h-index: 10      i10- index: 12

### Research Publications

Sr. No	References	Year
[1]	J. Geng, J. Ma, S. Ma, F. Li, L. Zhang, X. Ning, G.M. Lohar, Energy band investigation and role of Fe content in Zn <sub>1-x</sub> Fe <sub>x</sub> Se based nanomaterials for photoelectrochemical cell application, <i>Ceramics International</i> 45 (2019) 14457-14463, <b>DOI:</b> <a href="https://doi.org/10.1016/j.ceramint.2019.04.167">https://doi.org/10.1016/j.ceramint.2019.04.167</a> <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/pii/S0272884219309927">https://www.sciencedirect.com/science/article/pii/S0272884219309927</a>	2019
[2]	B.P. Relekar, A.V. Fulari, G.M. Lohar, V.J. Fulari, Development of Porous Manganese Oxide/Polyaniline Composite Using Electrochemical Route for Electrochemical Supercapacitor, <i>Journal of Electronic Materials</i> 24 (2019) 2449-2455, <b>DOI:</b> <a href="https://doi.org/10.1007/s11664-019-07039-3">https://doi.org/10.1007/s11664-019-07039-3</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s11664-019-07039-3">https://link.springer.com/article/10.1007/s11664-019-07039-3</a>	2019
[3]	B.P. Relekar, S.A. Mahadik, S.T. Jadhav, A.S. Patil, R.R. Koli, G.M. Lohar, V.J. Fulari, Effect of Electrodeposition Potential on Surface Free Energy and Supercapacitance of MnO <sub>2</sub> Thin Films, <i>Journal of Electronic Materials</i> 47 (2018) 2731-2738, <b>DOI:</b> <a href="https://doi.org/10.1007/s11664-018-6109-9">https://doi.org/10.1007/s11664-018-6109-9</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s11664-018-6109-9">https://link.springer.com/article/10.1007/s11664-018-6109-9</a>	2018
[4]	G.M. Lohar, S.T. Jadhav, B.P. Relekar, R.A. Patil, Y. Ma, V.J. Fulari, <a href="#">Electrochemically synthesized 1D and 3D hybrid Fe<sup>3+</sup> doped ZnSe dandelions for photoelectrochemical cell application</a> , <i>Optik</i> 158 (2018) 53-63, <b>DOI:</b> <a href="https://doi.org/10.1016/j.ijleo.2017.12.017">https://doi.org/10.1016/j.ijleo.2017.12.017</a> . <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/pii/S0030402617316455">https://www.sciencedirect.com/science/article/pii/S0030402617316455</a>	2018
[5]	A.V. Fulari, M.V. Ramana Reddy, S.T. Jadhav, G.S. Ghodake, Dae-Young Kim, G.M. Lohar, TiO <sub>2</sub> /reduced graphene oxide composite based nano-petals for supercapacitor application: effect of substrate, <i>Journal of Materials Science: Materials in Electronics</i> 29 (2018) 10814–10824, <b>DOI:</b> <a href="https://doi.org/10.1007/s10854-018-9146-5">https://doi.org/10.1007/s10854-018-9146-5</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10854-018-9146-5">https://link.springer.com/article/10.1007/s10854-018-9146-5</a>	2018
[6]	A.S. Patil, M.D. Patil, G.M. Lohar, S.T. Jadhav, V.J. Fulari, Supercapacitive properties of CuO thin films using modified SILAR method, <i>Ionics</i> 23 (2017) 1259-1266, <b>DOI:</b> <a href="https://doi.org/10.1007/s11581-016-1921-9">https://doi.org/10.1007/s11581-016-1921-9</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s11581-016-1921-9">https://link.springer.com/article/10.1007/s11581-016-1921-9</a>	2017
[7]	B.P. Relekar, G.M. Lohar, P.S. Indapure, S.T. Punde, S.T. Jadhav, H.D. Dhygude, V.J. Fulari, Galvanostatically Deposited MnO <sub>2</sub> Thin Film and Their Electrochemical Properties, <i>Materials Focus</i> 5 (2016) 577-579, <b>DOI:</b> <a href="https://doi.org/10.1166/mat.2016.1347">https://doi.org/10.1166/mat.2016.1347</a> . <b>Link:</b> <a href="https://www.ingentaconnect.com/contentone/asp/mf/2016/00000005/00000006/art00013">https://www.ingentaconnect.com/contentone/asp/mf/2016/00000005/00000006/art00013</a>	2016

[8]	G.M. Lohar, R.K. Kamble, S.T. Punde, S.T. Jadhav, A.S. Patil, H.D. Dhaygude, B.P. Relekar, V.J. Fulari, Electrochemical Synthesis of Ni Doped ZnSe Thin Film for Photoelectrochemical Cell Application, Materials Focus 5 (2016) 481-484, DOI: <a href="https://doi.org/10.1166/mat.2016.1349">https://doi.org/10.1166/mat.2016.1349</a> . <b>Link:</b> <a href="https://www.ingentaconnect.com/content/asp/mf/2016/00000005/00000005/art00013">https://www.ingentaconnect.com/content/asp/mf/2016/00000005/00000005/art00013</a>	2016
[9]	A.S. Patil, G.M. Lohar, V.J. Fulari, Structural, morphological, optical and photoelectrochemical cell properties of copper oxide using modified SILAR method, Journal of Materials Science: Materials in Electronics 27 (2016) 9550-9557, DOI: <a href="https://doi.org/10.1007/s10854-016-5007-2">https://doi.org/10.1007/s10854-016-5007-2</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10854-016-5007-2">https://link.springer.com/article/10.1007/s10854-016-5007-2</a>	2016
[10]	G.M. Lohar, H.D. Dhaygude, B.P. Relekar, M.C. Rath, V.J. Fulari, Effect of 10 MeV energy of electron irradiation on Fe <sup>2+</sup> doped ZnSe nanorods and their modified properties, Ionics 22 (2016) 1451-1460, DOI: <a href="https://doi.org/10.1007/s11581-016-1650-0">https://doi.org/10.1007/s11581-016-1650-0</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s11581-016-1650-0">https://link.springer.com/article/10.1007/s11581-016-1650-0</a>	2016
[11]	B.P. Relekar, G.M. Lohar, R.K. Kamble, A.B. Bansode, H.D. Dhaygude, V.J. Fulari, Potentiostatically Deposited MnO <sub>2</sub> Thin Film for Supercapacitor Application, Materials Focus 5 (2016) 258-260, DOI: <a href="https://doi.org/10.1166/mat.2016.1321">https://doi.org/10.1166/mat.2016.1321</a> . <b>Link:</b> <a href="https://www.ingentaconnect.com/contentone/asp/mf/2016/00000005/00000003/art00011">https://www.ingentaconnect.com/contentone/asp/mf/2016/00000005/00000003/art00011</a>	2016
[12]	H.D. Dhaygude, S.K. Shinde, M.V. Takale, G.M. Lohar, M.C. Rath, V.J. Fulari, <b>Effect of electron irradiation on structural, morphological and photoluminescence properties of ZnS thin films</b> , Ceramics International 42 (2016) 10159-10164, DOI: <a href="https://doi.org/10.1016/j.ceramint.2016.03.129">https://doi.org/10.1016/j.ceramint.2016.03.129</a> . <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/pii/S0272884216302656">https://www.sciencedirect.com/science/article/pii/S0272884216302656</a>	2016
[13]	S.A. Mahadik, F.D. Pedraza, B.P. Relekar, V.G. Parale, G.M. Lohar, S.S. Thorat, Synthesis and characterization of superhydrophobic–superoleophilic surface, Journal of Sol-Gel Science and Technology 78 (2016) 475-481, DOI: <a href="https://doi.org/10.1007/s10971-016-3974-7">https://doi.org/10.1007/s10971-016-3974-7</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10971-016-3974-7">https://link.springer.com/article/10.1007/s10971-016-3974-7</a>	2016
[14]	H.D. Dhaygude, S.K. Shinde, M.V. Takale, D.P. Dubal, G.M. Lohar, V.J. Fulari, <a href="#">Electrodeposited nanosphere like Cd<sub>x</sub>Zn<sub>1-x</sub>S electrodes for photoelectrochemical cell</a> , Journal of Materials Science: Materials in Electronics 27 (2016) 5145-5152, DOI: <a href="https://doi.org/10.1007/s10854-016-4406-8">https://doi.org/10.1007/s10854-016-4406-8</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10854-016-4406-8">https://link.springer.com/article/10.1007/s10854-016-4406-8</a>	2016
[15]	H.D. Dhaygude, S.K. Shinde, N.B. Velhal, G.M. Lohar, V.J. Fulari, Synthesis and characterization of ZnO thin film by low cost modified SILAR technique, AIMS Materials Science 3 (2018) 349-356, DOI: 10.3934/mat.2016.2.349. <b>Link:</b> <a href="https://s3.amazonaws.com/academia.edu.documents/46874232/AIM_Materials_science.pdf?response-content-">https://s3.amazonaws.com/academia.edu.documents/46874232/AIM_Materials_science.pdf?response-content-</a>	2016

	<a href="#">disposition=inline%3B%20filename%3DSynthesis_and_characterization_of_ZnO_th.pdf&amp;X-Amz-Algorithm=AWS4-HMAC-SHA256&amp;X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A%2F20191102%2Fus-east-1%2Fs3%2Faws4_request&amp;X-Amz-Date=20191102T142616Z&amp;X-Amz-Expires=3600&amp;X-Amz-SignedHeaders=host&amp;X-Amz-Signature=a9da5b5cf060013112d43308748e46edfd8fcd7e61b53cde74c9aef81240e901</a>	
[16]	<p>G.M. Lohar, S.T. Jadhav, H.D. Dhaygude, M.V. Takale, R.A. Patil, Y.R. Ma, M.C. Rath, V.J. Fulari, <b>Studies of properties of Fe<sup>3+</sup> doped ZnSe nanoparticles and hollow spheres for photoelectrochemical cell application</b>, Journal of Alloys and Compounds 653 (2015) 22-31, <b>DOI:</b> <a href="https://doi.org/10.1016/j.jallcom.2015.08.208">https://doi.org/10.1016/j.jallcom.2015.08.208</a>.</p> <p><b>Link:</b> <a href="https://www.sciencedirect.com/science/article/abs/pii/S092583881530904X">https://www.sciencedirect.com/science/article/abs/pii/S092583881530904X</a></p>	2015
[17]	<p>G.M. Lohar, S.T. Jadhav, M.V. Takale, R.A. Patil, Yuan-Ron Ma, M.C. Rath, V.J. Fulari, <b>Photoelectrochemical cell studies of Fe<sup>2+</sup> doped ZnSe nanorods using the potentiostatic mode of electrodeposition</b>, Journal of colloid and interface science 458 (2015) 136-146, <b>DOI:</b> <a href="https://doi.org/10.1016/j.jcis.2015.07.046">https://doi.org/10.1016/j.jcis.2015.07.046</a>.</p> <p><b>Link:</b> <a href="https://www.sciencedirect.com/science/article/pii/S0021979715300655">https://www.sciencedirect.com/science/article/pii/S0021979715300655</a></p>	2015
[18]	<p>G.M. Lohar, H.D. Dhaygude, R.A. Patil, Y. Ma, V.J. Fulari, <b>Studies of properties of Fe<sup>2+</sup> doped ZnSe nano-needles for photoelectrochemical cell application</b>, Journal of Materials Science: Materials in Electronics 26 (2015) 8904-8914, <b>DOI:</b> <a href="https://doi.org/10.1007/s10854-015-3572-4">https://doi.org/10.1007/s10854-015-3572-4</a>.</p> <p><b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10854-015-3572-4">https://link.springer.com/article/10.1007/s10854-015-3572-4</a></p>	2015
[19]	<p>H.D. Dhaygude, S.K. Shinde, D.P. Dubal, G.M. Lohar, V.J. Fulari, <b>Electrosynthesis of nanoflower like-ZnS thin films and its characterizations</b>, Journal of Materials Science: Materials in Electronics 26 (2015) 8563-8567, <b>DOI:</b> <a href="https://doi.org/10.1007/s10854-015-3529-7">https://doi.org/10.1007/s10854-015-3529-7</a>.</p> <p><b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10854-015-3529-7">https://link.springer.com/article/10.1007/s10854-015-3529-7</a></p>	2015
[20]	<p>S.R. Nikam, K. Shinde, D.P. Dubal, G.S. Ghodake, H.D. Dhaygude, B.P. Relekar, G.M. Lohar, V.J. Fulari, <b>Effect of Mn:(CuO/Cu(OH)<sub>2</sub>) Electrodes for Supercapacitors Application</b>, Advanced Science Letters 21 (2015) 2590-2593, <b>DOI:</b> <a href="https://doi.org/10.1166/193666115816678998">https://doi.org/10.1166/193666115816678998</a>.</p> <p><b>Link:</b> <a href="https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00017">https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00017</a></p>	2015
[21]	<p>S.K. Shinde, D.P. Dubal, G.S. Ghodake, H.D. Dhaygude, G.M. Lohar, B.P. Relekar, V.J. Fulari, <b>Temperature Dependence of Cationic and Anionic Precursor on Morphological Improvement of CuO Electrodes and Its Consequent Effect on Electrochemical Supercapacitive Properties</b>, Advanced Science Letters 21 (2015) 2653-2656, <b>DOI:</b> <a href="https://doi.org/10.1166/asl.2015.6400">https://doi.org/10.1166/asl.2015.6400</a>.</p> <p><b>Link:</b> <a href="https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00032">https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00032</a></p>	2015
[22]	<p>S.S. Mali, S.K. Shinde, J.R. Mane, A.A. Mane, S.A. Swami, H.D. Dhaygude, G.M. Lohar, B.P. Relekar, V.J. Fulari, <b>Surfactant-Assisted Morphological Modification of Hierarchical CuO Thin Films for</b></p>	2015

	Electrochemical Supercapacitors, Advanced Science Letters 21 (2015) 2594-2597, <b>DOI:</b> <a href="https://doi.org/10.1166/asl.2015.6402">https://doi.org/10.1166/asl.2015.6402</a> . <b>Link:</b> <a href="https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00018">https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00018</a>	
[23]	H.D. Dhaygude, B.P. Relekar, S.K. Shinde, G.M. Lohar, U.M. Chougale, V.J. Fulari, Electrochemical Synthesis of Nanorods-Like CdS Electrode for Solar Cell Application, Advanced Science Letters 21 (2015) 2641-2644, <b>DOI:</b> <a href="https://doi.org/10.1166/asl.2015.6399">https://doi.org/10.1166/asl.2015.6399</a> . <b>Link:</b> <a href="https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00029">https://www.ingentaconnect.com/content/asp/asl/2015/00000021/00000008/art00029</a>	2015
[24]	J.V. Thombare, G.M. Lohar, S.K. Shinde, S.S. Dhasade, M.C. Rath, V.J. Fulari, Synthesis, characterization and surface wettability study of polypyrrole films: Effect of applied constant current density, Electronic Materials Letters 11 (2015) 266-270, <b>DOI:</b> <a href="https://doi.org/10.1007/s13391-014-4082-x">https://doi.org/10.1007/s13391-014-4082-x</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s13391-014-4082-x">https://link.springer.com/article/10.1007/s13391-014-4082-x</a>	2015
[25]	G.M. Lohar, J.V. Thombare, S.K. Shinde, B.P. Relekar, H.D. Dhaygude, V.J. Fulari, Hydrophilic semconducting micro-chip like Cu doped ZnS thin films grown at room temperature, material science an Indian journal 12 (2015) 057-062. <b>Link:</b> <a href="https://pdfs.semanticscholar.org/fa48/cecece1c328d7b50caa42a38d9488a118f93.pdf">https://pdfs.semanticscholar.org/fa48/cecece1c328d7b50caa42a38d9488a118f93.pdf</a>	
[26]	G.M. Lohar, <u>Photoelectrochemical Cell Performance of Electron Beam Irradiated Iron Doped Zinc Selenide Thin Films</u> , Journal of Shivaji University (Science & Technology) 41 (2015) 1-3. <b>Link:</b> <a href="http://ir.inflibnet.ac.in:8080/jspui/bitstream/10603/143542/9/10%20summary%20and%20conclusion%20s.pdf">http://ir.inflibnet.ac.in:8080/jspui/bitstream/10603/143542/9/10%20summary%20and%20conclusion%20s.pdf</a>	2015
[27]	V. J. Fulari G. M. Lohar, TEMPERATURE DEPENDANT PHOTOLUMINESCENCE OF GALVANOSTATICALLY ELECTROSYNTHESIZED ZnSe THIN FILMS, International Journal of Engineering Research 3 (2015) 171-175. <b>Link:</b>	2015
[28]	G.M. Lohar, J.V. Thombare, S.K. Shinde, U.M. Chougale, V.J. Fulari, Preparation and Characterization Iron doped Zinc Selenide Thin Film by Electrodeposition, Journal of Shivaji University (Science and Technology) 41 (2015) 1-3. <b>Link:</b> <a href="https://pdfs.semanticscholar.org/3962/cd28f197d903e030a2852ee2a0ee23c1a7b7.pdf">https://pdfs.semanticscholar.org/3962/cd28f197d903e030a2852ee2a0ee23c1a7b7.pdf</a>	2015
[29]	G.M. Lohar, S.K. Shinde, V.J. Fulari, Structural, morphological, optical and photoluminescent properties of spray-deposited ZnSe thin film, Journal of Semiconductors 35 (2014) 113001. <b>Link:</b> <a href="https://iopscience.iop.org/article/10.1088/1674-4926/35/11/113001/meta">https://iopscience.iop.org/article/10.1088/1674-4926/35/11/113001/meta</a>	2014
[30]	S.K. Shinde, D.P. Dubal, G.S. Ghodake, D.S. Lee, G.M. Lohar, M.C. Rath, V.J. Fulari, Baking impact of Fe composition on CdSe films for solar cell application, Materials Letters 132 (2014) 243-246, <b>DOI:</b> <a href="https://doi.org/10.1016/j.matlet.2014.06.099">https://doi.org/10.1016/j.matlet.2014.06.099</a> . <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/abs/pii/S0167577X14011483">https://www.sciencedirect.com/science/article/abs/pii/S0167577X14011483</a>	2014

[31]	G.M. Lohar, S.K. Shinde, M.C. Rath, V.J. Fulari, <b>Structural, optical, photoluminescence, electrochemical, and photoelectrochemical properties of Fe doped ZnSe hexagonal nanorods</b> , Materials Science in Semiconductor Processing 26 (2014) 548-554, <b>DOI:</b> <a href="https://doi.org/10.1016/j.mssp.2014.05.047">https://doi.org/10.1016/j.mssp.2014.05.047</a> . <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/pii/S1369800114003059">https://www.sciencedirect.com/science/article/pii/S1369800114003059</a>	2014
[32]	S.K. Shinde, G.S. Ghodake, D.P. Dubal, G.M. Lohar, D.S. Lee, V.J. Fulari, <b>Structural, optical, and photo-electrochemical properties of marygold-like CdSe<sub>0.6</sub>Te<sub>0.4</sub> synthesized by electrochemical route</b> , Ceramics International 40 (2014) 11519-11524, <b>DOI:</b> <a href="https://doi.org/10.1016/j.ceramint.2014.03.063">https://doi.org/10.1016/j.ceramint.2014.03.063</a> . <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/pii/S0272884214004015">https://www.sciencedirect.com/science/article/pii/S0272884214004015</a>	2014
[33]	J.V. Thombare, S.K. Shinde, G.M. Lohar, U.M. Chougale, S.S. Dhasade, H.D. Dhaygude, B.P. Relekar, V.J. Fulari, <b>Optical properties of electrochemically synthesized polypyrrole thin films: the electrolyte effect</b> , Journal of Semiconductors 35 (2014) 063001. <b>Link:</b> <a href="https://iopscience.iop.org/article/10.1088/1674-4926/35/6/063001/meta">https://iopscience.iop.org/article/10.1088/1674-4926/35/6/063001/meta</a>	2014
[34]	V.J. Fulari G.M. Lohar, J.V. Thombare, S.K. Shinde, B.P. Relekar, M.C. Rath, <b>Optical properties of galvanostatically synthesized hydrophilic Fe doped ZnSe thin films</b> , ASIAN JOURNAL OF PHYSICS 23 (2014) 909-913. <b>Link:</b> <a href="http://demo050307.hostgator.co.in/content2/vol-23-2014/vol-23-no-6">http://demo050307.hostgator.co.in/content2/vol-23-2014/vol-23-no-6</a>	2014
[35]	V.J. Fulari, U.M. Chougale, A.S. Powar, S.V. Tikone, S.K. Shinde, G.M. Lohar, J.V. Thombare, <b>Synthesis and Characterization of Copper doped Cadmium Sulphide Thin Films by Electrodeposition Method</b> , Journal of Shivaji University (Science & Technology) 41 (2014). <b>Link:</b> <a href="http://www.unishivaji.ac.in/uploads/journal/JOURNAL-42(2)/PG%203.pdf">http://www.unishivaji.ac.in/uploads/journal/JOURNAL-42(2)/PG%203.pdf</a>	2014
[36]	V.J. Fulari. G.M. Lohar, J.V. Thombare, S.K. Shinde, S.H. Han, <b>Structural, photoluminescence and photoelectrochemical properties of electrosynthesized ZnSe spheres</b> , Journal of Materials Science: Materials in Electronics 25 (2014) 1597-1604, <b>DOI:</b> <a href="https://doi.org/10.1007/s10854-014-1750-4">https://doi.org/10.1007/s10854-014-1750-4</a> . <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s10854-014-1750-4">https://link.springer.com/article/10.1007/s10854-014-1750-4</a>	2014
[37]	S.K. Shinde, J.V. Thombare, G.M. Lohar, D.J. Barad, V.J. Fulari, S.S. Shinde, <b>Galvanostatically deposited Cd<sub>0.7</sub>Fe<sub>0.3</sub>Se electrode for solar cell application</b> , Energy Efficient Technologies for Sustainability (ICEETS), 2013 (2013) 420 - 423, <b>DOI:</b> <a href="https://doi.org/10.1109/ICEETS.2013.6533419">10.1109/ICEETS.2013.6533419</a> . <b>Link:</b> <a href="https://ieeexplore.ieee.org/abstract/document/6533419">https://ieeexplore.ieee.org/abstract/document/6533419</a>	2013
[38]	J.V. Thombare, G.M. Lohar, S.K. Shinde, U.M. Chougale, V.J. Fulari, A.B. Kadam, S.S. Dhasade, M.C. Rath, S.H. Han, <b>Studies on electrochemically synthesized polypyrrole (Ppy) thin films for supercapacitor application</b> , Energy Efficient Technologies for Sustainability (ICEETS), 2013 (2013) 1064 - 1067, <b>DOI:</b> <a href="https://doi.org/10.1109/ICEETS.2013.6533534">10.1109/ICEETS.2013.6533534</a> . <b>Link:</b> <a href="https://ieeexplore.ieee.org/abstract/document/6533534">https://ieeexplore.ieee.org/abstract/document/6533534</a>	2013

[39]	G.M. Lohar, J.V. Thombare, S.K. Shinde, S.S. Fulari, V.J. More, Photoelectrochemical cell performance of electrodeposited iron doped zinc selenide thin film, Energy Efficient Technologies for Sustainability (ICEETS), 2013 (2013) 411-413, <b>DOI:</b> <a href="https://doi.org/10.1109/ICEETS.2013.6533417">10.1109/ICEETS.2013.6533417</a> . <b>Link:</b> <a href="https://ieeexplore.ieee.org/abstract/document/6533417">https://ieeexplore.ieee.org/abstract/document/6533417</a>	2013
[40]	Preparation and characterization of CdSe 0.6 Te 0.4 thin films by electrodeposition method, SK Shinde, JV Thombare, G. M. Lohar, U. M. Chougale, VJ Fulari. <b>Link:</b> <a href="https://inis.iaea.org/search/search.aspx?orig_q=RN:44033887">https://inis.iaea.org/search/search.aspx?orig_q=RN:44033887</a>	2012
[41]	J.V. Thombare, V.T. Kambale, V.K. Bansode, G.M. Lohar, S.H. Han, V.J. Fulari, Chemical Synthesis of Polypyrrole Thin Films using Ferric nitrate as an Oxidant, Journal of Shivaji University (Science & Technology) 41 2014-2015. <b>Link:</b> <a href="http://www.unishivaji.ac.in/uploads/journal/JOURNAL-42(2)/PE%2035%20.pdf">http://www.unishivaji.ac.in/uploads/journal/JOURNAL-42(2)/PE%2035%20.pdf</a>	-

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