

PAPER'S PRESENTED IN INTERNATIONAL JOURNALS:

- 1) "Spectral investigations of Mn^{2+} doped $Zn_3(BO_3)_2$ Nanopowder" by **G.V.S.S.Sarma**, Ch.Venkata Reddy, S.V. Prabhakar Vattikuti, Ch. Ramakrishna, P. Narayana Murthy, R.V.S.S.N.Ravi Kumar; **Journal of Molecular Structure**, 1048 (24 September 2013) 64-68. ISSN NO: 0022-286 <http://dx.doi.org/10.1016/j.molstruc.2013.05.033>. (Imp.fact.4.73)
- 2) "Synthesis and spectroscopic studies of Fe^{3+} - doped zinc borate powder" by Ch. Venkata Reddy, Jaesool Shim, Chan Bryon, **G.V.S.S. Sarma**, P. Narayana Murthy, R.V.S.S.N.Ravi Kumar; **Journal of Molecular Structure**, 1081 (5 February 2015) 311–315. ISSN NO: 0022-2860. <http://dx.doi.org/10.1016/j.molstruc.2014.10.042>. (Imp.fact.4.73)
- 3) "Effect of Co^{2+} and Ni^{2+} doped zinc borate Nanocrystalline powders by co-precipitation method" by Jaesool Shim, Ch. Venkata Reddy, **G.V.S.S.Sarma**, P. Narayana Murthy, R.V.S.S.N. Ravi Kumar; **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 142 (5 May 2015) 279-285. ISSN NO: 1386-1425 . <https://doi.org/10.1016/j.saa.2015.02.008> (Imp.fact.4.6)
- 4) "Synthesis and spectroscopic characterizations of copper ions doped zinc borate nanoparticles" by Ch. Venkata Reddy, **G.V.S.S.Sarma**, R.V.S.S.N. Ravi Kumar, Jaesool Shim. **Optik** 127 (May, 2016) 4536-4540. ISSN NO: 0030-4026 , <https://doi.org/10.1016/j.ijleo.2016.01.197> (Imp.fact.3.81)
- 5) "Enhanced magnetic properties of Fe^{3+} doped ZnS nanocrystals via low temperature co-precipitation: Spintronics and nano-device applications" by Basha, SK Johny; **Sarma, G.V.S.S.**; Khidhir brahmendra, V.; Rajaya Lakshmi, T.; Swetha, D.; Ravi Kumar, Rendu chintala. **Phys. Scr.** 95 (7 Sept. 2020) 105802 (11pp), ISSNNO: 1402-4896. (Imp.fact.2.68) <https://doi.org/10.1088/1402-4896/abb41f0031-8949/>.
- 6) "Growth of non-enzymatic cholesterol biosensor using TiO_2 decorated graphene oxide with bare GCE and PPy-GCE", by S.Deivanayaki, P.Jayamurugan, S.Ashokan, V.Gopala Krishna, B. Yogeswari, Mohd Ubaidullah, Bidhan Pandit. **G.V.S.S.Sarma**, Hemanth umar Narsetti. **Journal of the Indian Chemical Society**, 26 Jan 2023, Volume 100, Issue 3, 100906, ISSN NO: 00194522. <https://doi.org/10.1016/j.jics.2023.100906>. (Imp.fact.4.19)
- 7) "Investigation of the Cobalt-Additive Role in Improving the Performance of Formamidium Lead Triiodide Based Solar Cells", Anjan Kumar, AliK. Al-Mousoi, Mohamed J. Saadh, Mustafa K .A. Mohammed, **G.V.S.S.Sarma**, Nafis Ahmad , RatneshTiwari.

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<https://doi.org/10.1007/s13391-023-00417-4>. Electronic ISSN: 2093-6788 · Print ISSN: 1738-8090.
(Imp.fact.2.48)

- 8) “Advanced Semiconductor Alloy Al_xIn_{1-x}P for Engineering and Medicine”. by Dr Alla Srivani, Gurram Vasanth, **Dr. GVS Subbaroy Sharma** , M. Srinivasa Rao, Dr. P Ramesh, **Journal of Community Pharmacy Practice**, Vol: 02, No. 05, Aug-Sep 2022, ISSN NO: **2799-1199**.
<https://doi.org/10.55529/jcpp.25.1.5>
- 9) “Emerging Trends in Transmission Electron Microscopy for Medical Applications” by Dr. Alla Srivani, Gurram Vasanth, **Dr. GVS Subbaroy Sharma**, M. Srinivasa Rao, Dr. P Ramesh, Dr. A Raghavendra & Dr. G Krishna Kumari, Global Journal of Science Frontier Research: A Physics and Space Science, Volume 22 Issue 6 Version 1.0 Year 2022, Type: Double Blind Peer Reviewed **International Research Journal**,
Publisher: Global Journals. Online ISSN NO: 2249-4626 & Print ISSN: 0975-5896.
<https://journalofscience.org/index.php/GJSFR/article/view/102542/24913>.
- 10) “SEM Imaging for Advanced Bio Materials” by Alla Srivani1, Gurram Vasanth, **GVS Subbaroy Sharma**, Srinivasa Rao, P Ramesh, A Raghavendra, G Krishna Kumari , **Journal of Radiology Research and Diagnostic Imaging**. 2(1). 10th FEB 2023. <https://doi.org/10.58489/2836-5127/011>, ISSN: **2836-5127**. (Imp.fact.1.3)
- 11) “Spintronics and Optical Properties of Advanced Bio Materials” Alla Srivani1, Gurram Vasanth, GVS Subbaroy Sharma, **Journal of Radiology Research and Diagnostic Imaging**. 08 Feb 2023, ISSN: 2836-5127, [doi: 10.58489/2836-5127/009](https://doi.org/10.58489/2836-5127/009). (Imp.fact.1.3)
- 12) “Effect of Ozone Layer Depletion on Advanced Materials”, Alla Srivani1, **GVS Subbaroy Sharma**, M. Srinivasa Rao, P Ramesh, A Raghavendra, G Krishna Kumari, **Journal of Radiology Research and Diagnostic Imaging**, 08 Feb 2023, ISSN: **2836-5127**, [doi: 10.58489/2836-5127/010](https://doi.org/10.58489/2836-5127/010). (Imp.fact.1.3)
- 13) “Emerging Trends in Thermal Properties of Graphene”, by Dr. Alla Srivani, Gurram Vasanth, M. Srinivasa Rao, Dr. P. Ramesh, **Dr. Subbaroy Sharma**, **Journal of Energy Engineering and Thermodynamics**, Aug - Sep 2023, ISSN: **2815-0945**, Vol: 03, No. 05.
[doi: https://doi.org/10.55529/jeet.35.19.24](https://doi.org/10.55529/jeet.35.19.24).
- 14) “Front Nano gratings Decorated Ultrathin Film Amorphous Si Solar Cell Performances”, by R.S.Dubey, Ch. Rajyalakshmi, J. Mounika Naga Ramya, S. Saravanan, K. Padma

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- 15) “Structural, Magnetic and Nonlinear Optical Behavior of Perovskite-Structured Aluminum Doped Lanthanum Ferrite Nanoparticles for Optical Limiting Applications”, by J. Vidhya, R. Gayathri, G.V.S.S.Sarma, K. Banupriya, S. Yuvaraj, L. Rajadurai, M. Sundararajan, **Ceramic International**, Vol. 51(19), Part B, 29229-29239 (2025). <https://doi.org/10.1016/j.ceramint.2025.04.129>. (Imp.fact. 5.88)
- 16) “Improvement of Quantum Efficiency and Photon Absorption from Electromagnetic Waves: Amorphous Silicon Thin Film Solar Cell”, by G.V.S.S.Sarma, P.Srinivasa Rao, R.S.Dubey, S.Saravanan, and B. AnandhKumar, **J.Environ.Nanotechnol**, Vol. 14(2), 178-181 (2025), ISSN (Print): 2279-0748, ISSN (Online): 2319-5541. <https://doi.org/10.13074/jent.2025.06.2521477>
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- 17) “Enhanced thermoelectric and electrical properties of rare-earth Sm³⁺ doped Mg-Cd cubic spinel nanoferrites and applications”, by S.Venu,N,V.Krishna Prasad, N.Hari kumar, K.Chandrababu Naidu, G.Vinod, D. Ravinder, G.V.S.S.Sarma, **Journal of the Indian Chemical Society**,102(9) Sept 2025, 101992, <https://doi.org/10.1016/j.jics.2025.101992> (Imp.fact.4.19)
- 18) “Structural, Optical, and Magnetic Properties of Sm³⁺-Doped Mg-Cd Nanoferrites Synthesized by Citrate Gel-Auto Combustion Technique”, by S. Venu, N. V. Krishna Prasad, G.V.S.S.Sarma, N. Harikumar, K. Chandrababu Naidu, G. Vinod & D. Ravinder, **Semiconductors** , Volume 59, pages 797–815, (14 Aug 2025), <https://doi.org/10.1134/S106378262560189X> (Imp.fact.3.4)
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- 19) “Enhanced Light Trapping on Silicon Substrates Using Non-Uniform Disordered Dendritic Structures for Water Splitting and CO₂ Reduction” by Poshan Kumar ReddyK., Prasanna Lakshmi B., Sarma G.V.S.S., Sekhar Reddy. P. R., 3361, 030015-1-030015-7, NOV 12 2025, <https://doi.org/10.1063/5.0298964>.