

**B G S College of Engineering & Technology,  
Mahalakshmpuram-560086.**

**RESUME**

<b>Name</b>	Dr. JAGADEESHA GOWDA .G. V.			
<b>Date of birth</b>	24.02.1973			
<b>Address</b>	<p><b>Contact Address:</b> #385, 1<sup>st</sup> Block, D Group Layout Andrahalli Road Bangalore-560057, Karnataka, India.</p> <p><b>Residential Address:</b> #385, 1<sup>st</sup> Block, D Group Layout Andrahalli Road Bangalore-560057, Karnataka, India.</p> <p><b>Contact No:</b> 7019444072 <b>E-mail: Mobile:</b> jagadeeshagowdagv@gmail.com</p>			
<b>Department/Discipline</b>	Physics			
<b>Educational Qualifications</b>	<b>Exam Passed</b>	<b>Institution //University</b>	<b>% &amp; Class Obtained</b>	<b>Year</b>
	B Sc	Bangalore University	58 Second Class	1994
	M Sc	Bangalore University	60 First Class	1996
	Ph D	Bangalore University	76 First Class	2015
	B Ed	Bangalore University	77 First Class	2000
<b>Experience</b>	<b>Nature of Experience</b>		<b>No. of Years</b>	
	Teaching		23	
	Research		12	
	Total No. of years of Experience		23	
<b>Experience Details</b>	<b>Designation</b>	<b>Institution/Organization</b>	<b>Duration</b>	
	Professor & HOD	Sapthagiri College of Engineering, Bangalore, India.	16/09/2009 to 28/09/2022	
	Lecturer	MVJ College of Engineering, Bangalore, India.	24/9/2005 to 15/09/2009	
	Lecturer	Seshadripuram Pre University College, Bangalore, India.	01/07/2004 to 23/09/2005	
	Lecturer	SS First Grade College, Tumkur, India.	01/07/2000 to 30/06/2001	
	Lecturer	Vidhya Pre University College, Tumkur, India.	01/06/1997 to 30/03/2003	
<b>Professional bodies Membership details</b>	<ul style="list-style-type: none"> <li>❖ Life member of India Society for Technical Education (LMISTE) LM-48781.</li> <li>❖ Life member of the Indian Science Congress Association (ISCA) L41239.</li> <li>❖ Life member of the Indian Association of Physics Teachers (IAPT) 13654 L8658.</li> </ul>			
<b>Other Professional Experience</b>	<ul style="list-style-type: none"> <li>❖ 2009-2022 headed the Department of Physics.</li> <li>❖ 2012- 2022 Physics cycle coordinator (1<sup>st</sup> year BE).</li> <li>❖ 2015-16 &amp; 2020-21 worked as a Board of Examiners (BOE) for Physics at Visvesvaraya Technological University.</li> <li>❖ 2020-21: worked as a Board of Examiners (BOE) for Physics at Bangalore University.</li> <li>❖ Doctoral Committee member at Research center, Department of Physics, Presidency University.</li> </ul>			

	<ul style="list-style-type: none"> <li>❖ 2009-2022 worked as Deputy Chief Superintendent (Examination) at Visvesvaraya Technological University.</li> <li>❖ 2019-2022 Coordinator of NAAC-Criteria-7 in Sapthagiri College Engineering, Bengaluru.</li> <li>❖ 2020-2022 Coordinator of NBA-Criteria-9 in Sapthagiri College Engineering, Bengaluru.</li> </ul>			
<b>Areas of Research Interest &amp; Guidance</b>	Material Science Ph.D. Awarded: Devaraja C (USN: 1SG16PGJ01) VTU Thesis Submitted: Ramprasad N (USN: 5VX17PGA24) VTU Kantharaj K S (USN: 5VX17PGA21) VTU			
<b>Distinctions/Awards Received</b>	2009: Best teacher award from MVJ College of Engineering, Bangalore.			
<b>National/International Workshops/Seminars/Conferences Attended</b>	22SI No	<b>Workshop on</b>	<b>Venue</b>	<b>Date</b>
	1	Innovative Tools / Techniques to Improve Quality of Teaching-Learning	Sapthagiri College of Engineering, Bengaluru.	07.04.2022 to 09.04.2022
	2	Materials Science & Nanotechnology (FDP-MSNT-2020)	B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.	03.08.2020 to 17.08.2020
	3	International Symposium on Advanced Research in Physics	Bangalore University, Bengaluru, India.	27.07.2020 to 31.07.2020
	4	Instructional Design and Delivery	National Institute of Technical Teachers Training & Research at M V J College of Engineering, Bengaluru.	24.08.2006 to 26.08.2006
	5	Magnetic Materials and their Applications	MSRIT, Bengaluru.	28.02.2009

#### Books Authored and Published

Sl. No.	Authors, Title of Book	Publisher	ISBN	International/National Publisher	Status as author
1	Praseodymium Doped Silver Borate Glass	Lambert Academic Publishing	ISBN-13:978-613-9-45081-7	International	Corresponding
2	Engineering Physics	Lambert Academic Publishing	ISBN-13:978-620-0-22328-9	International	Corresponding
3	Physics by Experiments	Lambert Academic Publishing	ISBN-13:978-3-8484-4773-2	International	Corresponding

#### Number of Research Publications (27)

<https://scholar.google.co.in/citations?user=9cvovHoAAAAJ&hl=en>

1. K. S. Kantharaj, **G. V. Jagadeesha Gowda**\*, N. Ramprasad, Kozakov A. T, Nikolsky A. V, Stass Kubrin, Arjuna Gowda K.V, A. El-Denglawey & Jagadeesha Angadi V, Structural, Microstructural, Infrared, and Mössbauer Spectroscopy Study of LuFeO<sub>3</sub> Prepared by Solution Combustion Method, *Journal of Superconductivity and Novel Magnetism* (2022) <https://doi.org/10.1007/s10948-022-06278-6>
2. Chinnappareddy DEVARAJA, GV Jagadeesha GOWDA\*, Bheemaiah ERAIAH, GK Narasihma MURTHY, Elastic properties of borotellurite glasses doped with europium oxide, *Journal of Metals, Materials and Minerals*, 2(32) (2022) 56-62. <https://doi.org/10.55713/jmmm.v32i2.1251>
3. Chinnappareddy DEVARAJA, GV Jagadeesha GOWDA\*, DC conductivity of heavy metal oxide (Bi<sub>2</sub>O<sub>3</sub>) boro-tellurite glasses: Effect of Eu<sub>2</sub>O<sub>3</sub>, *Journal of Metals, Materials and Minerals*, 2(32) (2022) 77-82. <https://doi.org/10.55713/jmmm.v32i2.1259>
4. K. S. Kantharaj, **G. V. Jagadeesha Gowda**\*, A. El-Denglawey, N. Ramprasad, A. T. Kozakov, A. V. Nikolsky, S. Kubrin, A. Gowda, V. Jagadeesha Angadi, B. M. Raafat M. Dongol, Study of the electronic structure of LuFeO<sub>3</sub> and Lu(YFe)O<sub>3</sub> nanoparticles by X-ray

- photoelectron spectroscopy and Mossbauer spectra, *J Mater Sci: Mater Electron*, 33 (2022) 14178–14187, doi.org/10.1007/s10854-022-08347-x.
5. N. Ramprasad, Florin Tudorache, **G. V. Jagadeesha Gowda\***, A. El-Denglawey\*, K. S. Kantharaj, K. V. Arjuna Gowda, K. Manjunatha, and V. Jagadeesha Angadi, The effect of Gd as a dopant in crystal structure and on its electrical and humidity sensing behavior of  $\text{Co}^{2+}\text{Cr}_2^{3+}\text{O}_4$  for possible application in sensors, *J Mater Sci: Mater Electron*, 33 (2022) 13584–13592, doi.org/10.1007/s10854-022-08293-8.
  6. K M Rajashekara\* G. Harisha, C Devaraja\*, G V Jagadeesha Gowda, Influence of  $\text{SiO}_2$  on Structural and Morphological Properties of Cobalt and Tin Embedded Calcium Nano-Ferrites, *GIS Science Journal*, 9(4) (2022)1207-1215.
  7. K. Manjunatha, Ping-Zhan Si, **G.V. Jagadeesha Gowda**, A. El-Denglawey, V. Jagadeesha Angadi, Structural, microstructural and temperature dependent magnetic properties of Mg–Ni doped  $\text{CoCr}_2\text{O}_4$  ceramics, *Ceramics International*, 48 (2022) 11654–11661, doi.org/10.1016/j.ceramint.2022.01.023.
  8. K. Praveena\*, **G. V. Jagadeesha Gowda**, A. El-Denglawey<sup>3</sup>, V. Jagadeesha Angadi, Manganese ferrite—polyanilinenanocomposites for microwave absorbers in X band, *J Mater Sci: Mater Electron*, **33**, (2022) 5678–5685. doi:10.1007/s10854-022-07753-5.
  9. C. Devaraja, **G.V. Jagadeesha Gowda\***, B. Eraiah, Asha M. Talwar, A. Dahshan, S.N. Nazrin, Structural, conductivity and dielectric properties of europium trioxide doped lead boro-tellurite glasses, *Journal of Alloys and Compounds*, 898 (2022) 162967. doi.org/10.1016/j.jallcom.2021.162967.
  10. Nazirul; Halimah K. Mohamed Kamari; K. A. Mahmoud; M. Y. Hanfi; M. N. Azlan; B. Srinivas; **G. V. Jagadeesha Gowda**; ImedBoukhris, Experimental and theoretical elastic studies on neodymium-doped zinc tellurite glasses, *Journal of Non-Crystalline Solids*, 575 (2022) 121208. doi.org/10.1016/j.jnoncrysol.2021.121208.
  11. **G.V. Jagadeesha Gowda\***, C. Devaraja, B. Eraiah, A. Dahshan, S.N. Nazrin, K.V. ArjunaGowda, G.K. Narasihma Murthy, D C Conductivity of Europium Oxide Doped Alkali Boro-Tellurite Glasses, *Materials Today: Proceedings*, 47(2021) 4792-4795. doi.org/10.1016/j.matpr.2021.06.032.
  12. **G.V. Jagadeesha Gowda\***, C. Devaraja, B. Eraiah, A. Dahshan, S.N. Nazrin, Structural, thermal and spectroscopic studies of Europium trioxide doped lead boro-tellurite glasses, *Journal of Alloys and Compounds*, 871 (2021) 159585. doi:10.1016/j.jallcom.2021.159585.
  13. C. Devaraja, **G. V. Jagadeesha Gowda\***, B. Eraiah, K. Keshavamurthy, Optical properties of bismuth tellurite glasses doped with holmium oxide, *Ceramic International*, 47 (2021) 7602-7607. doi.org/10.1016/j.ceramint.2020.11.099.
  14. C. Devaraja, **G. V. Jagadeesha Gowda\***, B.Eraiah, K.Keshavamurthy, Structural and Luminescent Property of Europium Oxide Doped Boro Tellurite Glasses. *i Manager's Journal on Material Science*, Vol. 8, P P 56-61, 2020. DOI:10.26634/jms.8.1.16060.
  15. C. Devaraja, **G. V. Jagadeesha Gowda\***, K. Keshavamurthy, B. Eraiah, G. Devarajulu, G. Jagannath, “Physical, structural and photo luminescence properties of lead boro-tellurite glasses doped with  $\text{Eu}^{3+}$  ions,” *Vacuum*, vol. 177, March, p. 109426, 2020. doi.org/10.1016/j.vacuum.2020.109426.
  16. **G. V. Jagadeesha Gowda**, B. Eraiah\*, R. V. Anavekar, “Ionic conductivity of praseodymium doped silver-borate glasses,” *J. Alloys Compd.*, vol. 620, pp. 192–196, 2015. DOI:10.1016/j.jallcom.2014.09.019.
  17. **G. V. Jagadeesha Gowda** and B. Eraiah\*, “Optical properties of praseodymium doped silver-borate glasses,” *Can. J. Phys.*, vol. 1157, February, pp. 1154–1157, 2014. doi.org/10.1139/cjp-2012-0497.
  18. N. Ramprasad, K. V. A. Gowda\*, R. Gowda, M. Basanagouda, K. S. Kantharaj, **G. V. J. Gowda**, “2-(5-Methyl-1-benzofuran-3-yl)- N -(2-phenylethyl)acetamide,” *IUCrData*, vol. 2, no. 2, 2017. doi.org/10.1107/S2414314617002000.
  19. N. Ramprasad, K. V. A. Gowda\*, R. Gowda, M. Basanagouda, K. S. Kantharaj, **G. V. Jagadeesha Gowda**, “2-(6-Methyl-1-benzofuran-3-yl)acetic acid,” *IUCrData*, vol. 1, no. 9, pp. 1–8, 2016. doi.org/10.1107/S2414314616014346.
  20. **G. V. Jagadeesha Gowda\***, K. Keshavamurthy, C. Devaraja, “Thermal, structural and electrical properties of alkali-vanado-bismuth-tellurite glasses”, *AIP Conf. Proc.*, vol. 2162, pp.020171-5, October, 2019. doi:10.1063/1.5130381.
  21. C. Devaraja, **G. V. Jagadeesha Gowda\***, K. Keshavamurthy, B. Eraiah, “The optical and physical properties of holmium ( $\text{Ho}^{3+}$ ) ions doped bismuth-tellurite glasses,” *AIP Conf. Proc.*, vol. 2162, pp.020172-5 October, 2019. doi:10.1063/1.5130382.
  22. C. Devaraja, **G. V. Jagadeesha Gowda\***, B. Eraiah, K. Keshavamurthy, “FTIR and Raman studies of  $\text{Eu}^{3+}$  ions doped alkali boro tellurite

- glasses,” *AIP Conf. Proc.*, vol. 2115, July, pp. 1–5, 2019. doi.org/10.1063/1.5113069.
23. C. Devaraja, **G. V. Jagadeesha Gowda\***, B. Eraiah, “Influence of europium ( $\text{Eu}^{3+}$ ) ions on the optical properties of boro tellurite glasses,” *AIP Conf. Proc.*, vol. 1953, pp. 1–5, 2018. doi:10.1063/1.5032344.
  24. **G. V. Jagadeesha Gowda\***, C. Devaraja, B. Eraiah, “Electrical properties of praseodymium oxide doped Boro- Tellurite glasses,” *AIP Conf. Proc.*, vol. 1728, 2016. doi.org/10.1063/1.4946241.
  25. **G.V.Jagadeesha Gowda\***, B.Eraiah, “Elastic properties of silver borate glasses doped with praseodymium oxide,” *AIP Conf. Proc.*, vol. 724, no. 6, pp. 722–724, 2014. doi.org/10.1063/1.4872732.
  26. **G.V.Jagadeesha Gowda\*** and B.Eraiah, “Preparation and Properties of Silver-Borate Glasses Doped with Praseodymium Oxide,” *AIP Conf. Proc.*, vol. 1536, pp. 619–620, 2013. doi.org/10.1063/1.4810379.
  27. **G.V. Jagadeesha Gowda\***, and B. Eraiah, “Synthesis and Structural Studies Of Praseodymium Doped Silver Borate Glasses,” *AIP Conf. Proc.*, vol. 564, pp. 2013–2015, 2013. doi.org/10.1063/1.4791162.

### **Number of Papers Presented in International /National Conferences (17)**

1. Jagadeesha Gowda. G.V\*, Devaraja. C, have presented a paper “Physical, Optical and NMR Spectroscopy of LABT glasses: Effect of Europium Trioxide”, at the International Conference on “Global Convergence in Technology, Entrepreneurship, Computing, and Value Engineering: Principles and Practices “(ICGCP—2022) organized by Sapthagiri College of Engineering, Bengaluru on 24<sup>th</sup> -26<sup>th</sup> June 2022.
2. Jagadeesha Gowda. G. V has presented a paper “Temperature-dependent transport properties of  $\text{Eu}^{3+}$  doped borate-based tellurite glasses”, at the International Conference on “Global Convergence in Technology, Entrepreneurship, Computing, and Value Engineering: Principles and Practices “(ICGCP—2021) organized by Sapthagiri College of Engineering, Bengaluru on 16<sup>th</sup> -17<sup>th</sup> July 2021.
3. Jagadeesha Gowda. G.V presented a paper “DC conductivity of europium oxide doped alkali boro tellurite glasses”, at the International Conference on “Futuristic Research in Engineering Smart Materials “(FRESM-2021) organized by CMRIT, Bengaluru on 23<sup>th</sup> -24<sup>th</sup> April 2021.
4. Jagadeesha Gowda. G.V\*, Devaraja. C, B.Eraiah have presented a paper “Thermal Properties of  $\text{Eu}^{3+}$  Ions Doped Alkali  $\text{B}_2\text{O}_3$ - $\text{TeO}_2$  Glasses” at the online International Conference on Multidisciplinary Innovations in Science and Technology (MIST-2020) organized by R & D cell, The Oxford College of Science, Bengaluru on 18<sup>th</sup> - 19<sup>th</sup> September 2020.
5. Jagadeesha Gowda. G. V\*, Devaraja. C, B.Eraiah presented a paper “MAS-NMR and FTIR Studies of Rare Earth Ions Doped Tellurite Based Alkali Borate Glasses” at the Fifth International Conference on Advances in Materials Science (Online) (ICAMS–2020) organized by Post–Graduate Department of Physics of Raje Ramrao Mahavidyalaya, Jath–416404, Dist– Sangli, Maharashtra, India during 06th - 07th June 2020.
6. Jagadeesha Gowda. G.V\*, Devaraja. C has presented a paper, "Spectroscopic analysis of Alkali Lead Boro-Tellurite Glasses Doped with  $\text{Eu}^{3+}$  Ions for noticeable Photonic mechanism Applications" at the online International Conference on “Advanced Materials” held at the Department of Physics, P.C. Jabin Science College, Hubballi, Karnataka, India. On 20<sup>th</sup> July 2020.
7. Jagadeesha Gowda. G.V\*, Devaraja. C has presented a paper, "Role of rare earth ( $\text{Eu}^{3+}$ ) ions doped Alkali Boro-Tellurite Glasses covered Si solar cells" at the National Conference on “Electricity production from solar energy and its distribution” organized by the Department of Physics, Bharathi College, Mandya, Karnataka, India. on 15<sup>th</sup> February 2020.
8. Jagadeesha Gowda. G.V\*, Devaraja. C, Keshavamurthy K, B.Eraiah have presented a paper, “Ultrasonic and structural properties of  $\text{Pr}_6\text{O}_{11}$  addition of zinc tellurite glass systems”, at the International Conference on Advances in Chemical and Materials Science (ICCM-2019), Department of Chemistry, Mangalore University, Karnataka, India. October17-19, 2019.
9. Devaraja. C, Jagadeesha Gowda. G.V\*, Keshavamurthy K, B.Eraiah have presented a paper, “Synthesis and Studies of Optical and Physics Properties of Holmium ( $\text{HO}^{3+}$ ) Ions Doped Bismuth-tellurite Glasses”, at International Conference on Nanotechnology, Srinivas University, Mangalore, Karnataka, India. October18-19, 2019.

10. Jagadeesha Gowda. G.V\*, Keshavamurthy K, has presented a paper, “Thermal and Structural Properties of Alkali-Vanado-Bismuth-Tellurite glasses”, at International Conference on Advanced Materials (ICAM-2019), Nirmalagiri College, Kannur, Kerala, India. June12-14, 2019.
11. Jagadeesha Gowda. G.V\*, Devaraja. C has presented a paper, “Structural and optical investigations on Europium oxide doped alkali boro tellurite glasses”, at Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC), Mysore University, Mysore, Karnataka, India. March 18-20, 2019.
12. Jagadeesha Gowda. G.V\*, Devaraja. C, B.Eraiah presented a paper “Influence of Europium ions on the Optical Properties of Boro-Tellurite Glasses”, at International Conference on Condensed Matter & Applied Physics, (ICC-2017), Bikaner, Rajasthan. November 24-25, 2017.
13. Jagadeesha Gowda. G.V\*, Devaraja. C, B.Eraiah presented a paper “Electrical Properties of Praseodymium Oxide Doped Boro-Tellurite Glasses”, at International Conference on Condensed Matter & Applied Physics, (ICC-2015), Bikaner, Rajasthan. October 30-31, 2015.
14. Jagadeesha Gowda. G.V\* and Eraiah. B, “Elastic Properties of Silver Borate Glasses Doped with Praseodymium Oxide”. 58<sup>th</sup> DAE Solid State Physics Symposium, Patiala, India” (16-21 December 2013).
15. Jagadeesha Gowda. G.V\* and Eraiah. B “Preparation and Properties of Silver-Borate Glasses Doped with Praseodymium Oxide”, International Conference on Recent Trends in Applied Physics & Material Science (RAM-2013). Bikaner, India (1-2 February 2013).
16. Jagadeesha Gowda. G.V\* and Eraiah. B “Preparation and Properties of Silver-Borate Glasses Doped with Praseodymium Oxide”, International Conference on Recent Trends in Applied Physics & Material Science (RAM-2013). Bikaner, India (1-2 February 2013).
17. Jagadeesha Gowda.G.V\* and Eraiah.B, "Synthesis and Structural Studies of Praseodymium Doped Silver Borate Glasses", 57<sup>th</sup> DAE Solid State Physics Symposium, Indian Institute of Technology, Mumbai, India (07-11 December-2012).

**Number of Journal Papers Reviewed (07)**

1. **Journal of Alloys and Compounds** (ISSN: 0925-8388) “A novel co-catalyst of CoFeOOH for greatly improving the solar water splitting performance over Mo-doped bismuth vanadate” July 2022.
2. **Journal of Fluorescence** (ISSN: 1573-4994) “Utilizing Experiment and Theory to Evaluate Rhodamine B ethylenediamine as a Fluorescent Sensor for G-type Nerve Agents” Jan 2022.
3. **Journal of Engineering Science and Technology** (JESTEC) (ISSN: 1823-4690) (Web of Science) “Zinc and Aluminum Phthalocyanine Modified Carbon Nanotubes; Preparation and Characterizations”, July 30, 2020.
4. **Journal of Fluorescence** (ISSN: 1573-4994) “Spectroscopic and photo-physical properties of Near-IR laser dye in novel benign green solvents” July 2020.
5. **AIP Advances** (ISSN: 2158-3226), “Investigation of Optical Properties of Aluminum-doped Zinc Oxide Films via Flow-limited Field-injection Electrostatic Spraying” August 04, 2020.
6. **Chemical Physics Letters** (ISSN: 0009-2614), “Rare earth lanthanum based an aerogel with reduced chlorine ions by a modified epoxide gelation method” August 17, 2020.
7. Worked on the review process of manuscripts for the “60<sup>th</sup> DAE-Solid State Symposium” held on December 21-25, 2015 at Amity University, U P, India.

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**Date: 14.11.2022**

**Signature of the Candidate**