

## FACULTY PROFILE

Name of the faculty	<b>Dr. JAGADEESHA GOWDA G V</b>
Designation	Professor & Head
Contact Number	9972530023
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## Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	Material Science	Bangalore University	2015
M. Phil	Crystallography	Vinayaka Mission University	2009
M. Sc	Solid State Physics	Bangalore University	1996
B. Ed	Physics, Maths	Bangalore University	2000
B. Sc	Physics, Maths, Electronics	Bangalore University	1994

## Work Experience

Teaching	Research	Industry
21 year	10 year	nil

## Publications

National/International Journals	National/International Conferences	Books Authored/Edited
16	13	01

## Area of Interest

Material Science	
Glass & Ceramics	
Crystallography	
Nano Science	

## Membership in Professional Bodies/University Bodies/Organization

Life member of India Society for Technical Education (LMISTE) LM-48781.

## Funded Projects:

Nil

## Patents:

Nil

## Publications

### National/International Journals

- [16] 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, PP 56-61, 2020.
- [15] C. Devaraja, G. V. Jagadeesha Gowda\*, K. Keshavamurthy, B. Eraiah, G. Devarajulu, and G. Jagannath, "Physical, structural and photo luminescence properties of lead boro-tellurite glasses doped with  $\text{Eu}^{3+}$  ions," *Vacuum(Elsevier)*, vol. 177, March, p. 109426, 2020.
- [14] G. V. Jagadeesha Gowda\*, K. Keshavamurthy, and C. Devaraja, "Thermal, structural and electrical properties of alkali-vanado-bismuth-tellurite glasses", *AIP Conf. Proc.*, vol. 2162, pp.020171-5, October, 2019.
- [13] C. Devaraja, G. V. Jagadeesha Gowda\*, K. Keshavamurthy, and 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.
- [12] C. Devaraja, G. V. Jagadeesha Gowda\*, B. Eraiah, and 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.
- [11] C. Devaraja, G. V. Jagadeesha Gowda\*, and 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.
- [10] N. Ramprasad, K. V. A. Gowda\*, R. Gowda, M. Basanagouda, K. S. Kantharaj, and G. V. J. Gowda, "2-(5-Methyl-1-benzofuran-3-yl)- N -(2-phenylethyl)acetamide," *IUCrData*, vol. 2, no. 2, 2017.
- [9] G. V. Jagadeesha Gowda\*, C. Devaraja, and B. Eraiah, "Electrical properties of praseodymium oxide doped Boro- Tellurite glasses," *AIP Conf. Proc.*, vol. 1728, 2016.
- [8] N. Ramprasad, K. V. A. Gowda\*, R. Gowda, M. Basanagouda, K. S. Kantharaj, and G. V. Jagadeesha Gowda, "2-(6-Methyl-1-benzofuran-3-yl)acetic acid," *IUCrData*, vol. 1, no. 9, pp. 1–8, 2016.

- [7] G. V. Jagadeesha Gowda, B. Eraiah\*, and R. V. Anavekar, "Ionic conductivity of praseodymium doped silver-borate glasses," *J. Alloys Compd.(Elsevier)*, vol. 620, pp. 192–196, 2015.
- [6] G.V.Jagadeesha Gowda\* and B.Eraiah, "Elastic properties of silver borate glasses doped with praseodymium oxide," *AIP Conf. Proc.*, vol. 724, no. 6, pp. 722–724, 2014.
- [5] 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.
- [4] Jagadeesha Gowda G V\*, Eraiah B, "Characterization of Pr<sub>6</sub>O<sub>11</sub>-Ag<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub> Glasses," *Int. J. Eng. Sci. Res. Technol.*, vol. 3, no. 5, pp. 228–232, 2014.
- [3] Jagadeesha Gowda G V\*, Eraiah B "Ultrasonic Studies on Pr<sub>6</sub>O<sub>11</sub>-Ag<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub> Glass System," *Int. J. Inv. Res.Sci. Eng. Technol.*, vol. 2, no. 8, pp. 3805-3810, 2013.
- [2] 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.
- [1] G.V. Jagadeesha Gowda\*, and B. Eraiah, "Synthesis and Structural Studies Of Praseodymium Doped Silver Borate Glasses," vol. 564, pp. 2013–2015, 2013.

## National /International Conferences

1. Jagadeesha Gowda.G.V\*, Devaraja.C, B.Eraiah have presented a paper "MAS-NMR and FTIR Studies of Rare Earth Ions Doped Tellurite Based Alkali Borate Glasses" in the Fifth International Conference on Advances in Materials Science (Online) (ICAMS–2020) organized by Post – Graduate Department of Physics of Raje Ramrao Mahavidyalaya, Jath – 416 404, Dist– Sangli, Maharashtra, India during 06th - 07th June 2020.
2. Jagadeesha Gowda.G.V\*, Devaraja.C, has presented a paper, "Spectroscopic analysis of Alkali Lead Boro-Tellurite Glasses Doped with Eu<sup>3+</sup> Ions for noticeable Photonic mechanism Applications" in the online International Conference on "Advanced Materials" held at Department of Physics, P.C. Jabin Science College, Hubballi, Karnataka, India. On 20<sup>th</sup> July 2020.
3. Jagadeesha Gowda.G.V\*, Devaraja.C, has presented a paper, "Role of rare earth (Eu<sup>3+</sup>) ions doped Alkali Boro-Tellurite Glasses covered Si solar cells" in the National Conference on "Electricity production from solar energy and its distribution" organized by Department of Physics, Bharathi College, Mandya, Karnataka, India. on 15<sup>th</sup> February 2020.
4. Jagadeesha Gowda.G.V\*, Devaraja.C, Keshavamurthy K, B.Eraiah have presented a paper, "Ultrasonic and structural properties of Pr<sub>6</sub>O<sub>11</sub> addition of zinc tellurite glass systems", at International Conference on Advances in Chemical and Materials Science (ICCM-2019), Department of Chemistry, Mangalore University, Karnataka, India. October 17-19, 2019.
5. Devaraja.C, Jagadeesha Gowda.G.V\*, Keshavamurthy K, B.Eraiah have presented a paper, "Synthesis and Studies of Optical and Physics Properties of Holmium (HO<sup>3+</sup>) Ions Doped Bismuth-tellurite Glasses", at International Conference on Nanotechnology, Srinivas University, Mangalore, Karnataka, India. October 18-19, 2019.
6. Jagadeesha Gowda.G.V\*, Keshavamurthy K, have 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. June 12-14, 2019.
7. Jagadeesha Gowda.G.V\*, Devaraja.C, have 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.

8. Jagadeesha Gowda.G.V\*, Devaraja.C, B.Eraiah have 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.
9. Jagadeesha Gowda.G.V\*, Devaraja.C, B.Eraiah have 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.
10. 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).
11. 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).
12. 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).
13. 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).

## Faculty Development Programme / Workshop Attended

1. Participated Online Faculty Development Programme on “Materials Science & Nanotechnology (FDP-MSNT-2020)” organized by the Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai-48, during the period 03<sup>rd</sup> August to 17<sup>th</sup> August 2020.
2. Participated Online “International Symposium on Advanced Research in Physics” organized by the Department of Physics, Bangalore University, Bengaluru, India, from 27-31, July 2020.
3. Short term course on “Instructional Design and Delivery” from 24.08.2006 to 26.08.2006 (FDP) organized by “National Institute of Technical Teachers Training & Research” at M V J College of Engineering, Bangaluru.
4. Participated (TEQIP) “Magnetic Materials and Their Applications” on 28<sup>th</sup> February 2009 at MSRIT, Bangaluru.
5. Attended a workshop organized by Microsoft Corporation & M V J College of Engineering, Bangaluru on “Advanced Developer Technologies on 28<sup>th</sup> May 2009.
6. Participated in Symposium on “Current Trends in Photonics and its Applications” organized at BNMIT, Bangaluru in collaboration with IEEE photonics society, Bangalore chapter on 20<sup>th</sup> March 2010.
7. Attended a one-day “Faculty Development Programme” organized by Sapthagiri College of Engineering, Bangaluru on 22<sup>nd</sup> January 2015.

## Awards/Achievement/Others

- AY: 2020-21, Bangalore University recognized as Board of Examiner (BOE) for Department Physics.
- AY: 2015-16, Visvesvaraya Technological University recognized as Board of Examiner (BOE) for Physics.
- 2009: Best teacher award from MVJ College of Engineering, Bangalore
- Book written on “Praseodymium Doped Silver Borate Glass” published in Lambert Academic Publishing, ISBN: 978-613-9-45081-7.