

FACULTY PROFILE

Name of the faculty	Dr. Keshavamurthy K
Designation	Assistant Professor
Contact Number	9035303005
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Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D.	Non-crystalline Physics	Bangalore University	2018
M.Sc.	Astrophysics	Bangalore University	2009
B.Sc.	PCM	Bangalore University	2007

Work Experience

Teaching	Research	Industry
6 Years 5 months	4 Years 6 Months	NIL

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
12	14	NIL

Area of Interest

Non-Crystalline Materials
Optical Materials
Metal Nanoparticles Embedded Oxide Glasses
Optical Fibers

Subject Taught

Engineering Physics	BE	VTU/Bangalore University
Engineering Physics Lab	BE	VTU/Bangalore University

In House Experience

Sl.No	Designation	Period	
		From	To
1	Assistant Professor	2016	Till date

Outside Experience

Sl. No	Place of Work	Designation	Period	
			From	To
1	UVCE	Guest Faculty	2009	2012
2	Bangalore University	Research Scholar	2012	2016

Membership in Professional Bodies/University Bodies/Organization

- Life Member of Ion Beam Society of India (IBSI Membership No: LM232)

Publications

National/International Journals

- Europium (Eu^{3+}) doped Silver Lead Borate Glasses for Phosphors Applications, **K. Keshavamurthy** and B. Eraiah, *Bulletin of Materials Science* 40 (2017) 859-863.
- Optical properties of erbium doped bismuth tellurite glasses, **K. Keshavamurthy** and B. Eraiah, *Advanced Science Letters* 22 (2016) 136-140.
- Europium doped boro-bismuth-tellurite glasses for multicolor phosphor applications, **K. Keshavamurthy** and B. Eraiah, *Canadian Journal of Physics* 94 (2016) 188-191.
- Influence of europium (Eu^{3+}) ions on the optical properties of silver lead borate glasses, **K. Keshavamurthy** and B. Eraiah, *Bulletin of Materials Science* 38 (2015) 1381–1384.
- Transport properties of Lithium ions doped Vanado-Bismuth-Tellurite Glasses, **K. Keshavamurthy** and B. Eraiah, *AIP Proceedings* 1731 (2016) 110002(1-3).

- Photoluminescence Studies of Europium (Eu^{3+}) doped Lead Borate Glasses, **K. Keshavamurthy** and B. Eraiah, Proceedings of the sixth DAE-BRNS interdisciplinary symposium on materials chemistry 48 (2016) pp.193 (ISBN 81-88513-76-8).
- Effect of γ -ray Irradiation on Optical Properties of Erbium doped Bismuth-Tellurite Glasses, **K. Keshavamurthy** and B. Eraiah, *AIP Proceedings* 1953 (2018) 090004(1-3).
- FTIR and Raman studies of Eu^{3+} ions doped alkali boro tellurite glasses, C. Devaraja, G. V. Jagadeesha Gowda, B. Eraiah, **K. Keshavamurthy**, *AIP Proceedings* 2115 (2019) 030230(1-4).
- Er^{3+} Ions doped Alkali Boro Bismuth Tellurite Glasses for Photonic Applications, **K. Keshavamurthy** and B. Eraiah, *AIP Proceedings* 2142 (2019) 050010(1-4).
- Transport Properties of Er^{3+} Ions doped Lithium Boro Bismuth Tellurite Glasses, **K. Keshavamurthy** and B. Eraiah, *AIP Proceedings* 2142 (2019) 070026(1-4).
- The optical and physical properties of holmium (Ho^{3+}) ions doped bismuth-tellurite glasses, C. Devaraja, G. V. Jagadeesha Gowda, **K. Keshavamurthy**, B. Eraiah, *AIP Proceedings* 2162 (2019) 020172(1-4).
- Thermal, structural and electrical properties of alkali-vanado-bismuth-tellurite glasses, G. V. Jagadeesha Gowda, **K. Keshavamurthy**, C. Devaraja, *AIP Proceedings* 2162 (2019) 020171(1-4).
- Dielectric properties of erbium doped alkali boro bismuth tellurite glasses, K. Keshavamurthy and B. Eraiah, *AIP Proceedings* (Accepted).

National /International Conferences

- Dielectric properties of erbium doped alkali boro bismuth tellurite glasses (**Poster**), **K. Keshavamurthy** and Swetha B N, "*3rd International Conference on Condensed Matter and Applied Physics (ICC-2019)*" held at the Department of Physics, Govt. Engineering College, Bikaner, Rajasthan, India during 14th to 15th October 2019.
- Er^{3+} Ions doped Alkali Boro Bismuth Tellurite Glasses for Photonic Applications (**Poster**), **K. Keshavamurthy** and B. Eraiah, "*International Conference on Advanced Materials (ICAM-2019)*", held at Nirmalagiri College, Kannur, Kerala, India during 12th to 14th June 2019.
- Transport Properties of Er^{3+} Ions doped Lithium Boro Bismuth Tellurite Glasses (**Poster**), **K. Keshavamurthy** and B. Eraiah, "*International Conference on Advances in Basic Sciences (ICABS-19)*" held at GDC Memorial College, Bahal, Haryana, India during 7th to 9th February 2019.
- Er^{3+} Ions doped Alkali Boro Bismuth Tellurite Glasses for Photonic Applications (**Oral**), **K. Keshavamurthy** and B. Eraiah, "*International Conference on Advances in Basic Sciences (ICABS-19)*" held at GDC Memorial College, Bahal, Haryana, India during 7th to 9th February 2019.
- Effect of Er^{3+} ions on electrical properties of alkali boro bismuth tellurite glasses (**Oral**), **K. Keshavamurthy** and B. Eraiah, "*International Conference on Advanced Ceramics and Nano Materials for Sustainable Development (ACeND-2018)*" held at Christ University, Bengaluru, Karnataka, India during 19th to 21st September 2018.

- Effect of γ -ray Irradiation on Optical Properties of Erbium doped Bismuth-Tellurite Glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*2nd International Conference on Condensed Matter and Applied Physics (ICC-2017)*" held at the Department of Physics, Govt. Engineering College, Bikaner, Rajasthan, India during 24th to 25th November 2017.
- Photoluminescence Studies of Europium (Eu^{3+}) doped Lead Borate Glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*6th Interdisciplinary Symposium on Materials Chemistry (ISMC-2016)*" held at the Chemistry Division, Bhabha Atomic Research Centre (BARC), Mumbai, India during 06th to 10th December 2016.
- Transport Properties of Lithium ions doped Vanado-Bismuth-Tellurite Glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*60th DAE Solid State Physics Symposium (60th DAE SSPS-2015)*" held at Amity University UP, Noida, India during 21st to 25th December 2015.
- Optical properties of europium doped boro bismuth tellurite glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*First international Conference on Opto-Electronics and Photonic Materials (ICOPMA-2015)*" held at Sastra University, Thanjavur, Tamilnadu, India during 27th to 28th February 2015.
- Optical Properties of Eu^{3+} doped Lead Borate Glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*Fifth International Conference on Luminescence and its applications (ICLA-2015)*" held at PES University, Bengaluru, Karnataka, India during 9th to 12th February 2015.
- FTIR and PL studies of Europium (Eu^{3+}) doped Lead Borate Glasses **(Oral)**, **K. Keshavamurthy** and B. Eraiah, "*First International Conference on Large Area Flexible Microelectronics (ILAFM – 2014)*" held at RV college of Engineering, Bengaluru, Karnataka, India during 18th to 20th December 2014.
- Optical Properties of Erbium doped Bismuth Tellurite Glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*International Conference on Emerging Materials: Characterizations and Applications (ICEMCA-2014)*" held at CSIR-Central Glass and Ceramics Research Institute, Kolkata, India during 4th to 6th December 2014.
- Optical Properties of Europium doped Silver lead Borate Glasses **(Poster)**, **K. Keshavamurthy** and B. Eraiah, "*International Year of Crystallography (IYCr-2014)*" held at Bengaluru University, Jnanabharathi Campus, Bengaluru, India during 16th to 17th October 2014.
- Structural and Optical Studies of Oxide Glasses **(Oral)**, **K. Keshavamurthy** and B. Eraiah, "*In House Meet on Research Initiatives in Physics (PHYSIKA-2014)*" held at Department of Physics, Bengaluru University, Jnanabharathi Campus, Bengaluru, India during 16th to 17th October 2014.

Faculty Development Programme Participated

- Faculty Development Program on "Teachers Empowerment" held at Sapthagiri College of Engineering, Chikkasandra, Bengaluru, Karnataka, India during 23rd to 25th July 2018.
- Technical Education Quality Improvement Programme (TEQIP-II INITIATIVE) held at RV college of Engineering, Bengaluru, Karnataka, India on 18th to 20th December 2014.

Workshop Attended

- Workshop on “New Model Curriculum for First Year BE/B.Tech-CBCS Detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including Course Outcomes (CO) and Blooms Taxonomy” under TEQIP-1.3 for the course Engineering Physics under Basic Science Board organized by Vishvesvaraya Technological University (VTU) held at Bangalore Institute of Technology, Bengaluru, Karnataka, India on 8th May 2018.
- National Workshop on Advances in Lithium Ion Battery (ALBM-2015) held at PES University, Bengaluru, Karnataka, India on 28th December 2015.
- National Workshop on Emerging Trends in High Energy Physics (NCHEP-2015) held at National Degree College, Jayanagar, Bengaluru, Karnataka, India during 29th June to 1st July 2015.
- National Orientation Workshop on “Radiation its Applications in Physical, Chemical and Life Sciences” held at Mangalore University, Mangalore, Karnataka, India during 24th to 25th June 2015.
- One day state level workshop on “Computational Physics using Python” held at Government College (Autonomous), Department of Physics (Post Graduate Studies), Mandya, Karnataka, India on 28th March 2015.
- DST-SERB School on “Ion Interaction with Matter” held at Department of Physics, Saurashtra University, Rajkot, Gujarat, India during 2nd to 21st March 2015 (3 Weeks).
- Sixth DAE-BRNS Workshop cum Theme Meeting on EXFOR Compilation of Nuclear Data held at Bengaluru University, Karnataka, India during 20th to 24th January 2015.
- Short-Term Workshop on “Trends and Challenges in Research” for Research Scholars of Bangalore University held at Bengaluru University, Jnanabharathi Campus, Bengaluru, Karnataka, India during 10th to 12th November 2014.
- International Year of Crystallography (IYCr-2014) held at Bengaluru University, Jnanabharathi Campus, Bengaluru, India during 16th to 17th October 2014.
- UGC sponsored state level seminar on “Recent Trends in Material Science” held at National Degree College, Jayanagar, Bengaluru, Karnataka, India on 26th September 2014.
- One Day National Seminar on “Frontiers in Nanoscience and Technology” held at Government Science College, Bengaluru, Karnataka, India on 27th August 2014.
- National One Day Workshop on “Tips to research Scholars” held at Department of Chemistry, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka, India on 20th July 2014.
- Indian Meteorological Society of Bangalore organized Celebration of Earth Day-2014 at Department of Physics, Bangalore University Bengaluru, Karnataka, India on 29th April 2014.
- National Workshop on Luminescence Materials Devices and Applications (NWLMDA-2013) held at Department of Physics, Bengaluru University, Jnanabharathi Campus, Bengaluru, Karnataka, India during 22nd to 23rd November 2013.
- Three day lecturer series on “Frontier Areas of Research” held at Bangalore University, Jnanabharathi Campus, Bengaluru, Karnataka, India during 26th to 28th September 2013.

- UGC-CPE Sponsored One Day National Workshop on “Emerging Trends in Materials Science” held at S. Nijalingappa College, Bengaluru, Karnataka, India on 26th March 2013.
- Workshop on “Advances in Atmospheric and Space Science (AASS-2013) held at Bangalore University, Jnanabharathi Campus, Bengaluru, Karnataka, India during 7th to 9th March 2013.

Awards/Recognition/Achievement/Others

- Three years UGC-Major Research Project completed under the guidance of Dr. B. Eraiah, Department of Physics, JB Campus, Bangalore University, Bangalore-560056.
- UGC JRF/SRF Project Fellow.