

Name : Dr. ASHOK BHOGI  
 Designation : Assistant Professor  
 Department : Humanities & Sciences  
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 Experience (in years): Teaching: 15, Research: 09, others:-



### 1. Educational/ Technical Qualifications

S.No	Level (UG / PG / Ph.D)	Year of Passing	Specialization
1.	Ph.D	2016	Glass Materials (Materials Science)
2.	M.Sc	2006	Solid State Physics
3.	B.Ed	2004	Physical Science
4.	B.Sc	2002	M.P.Cs

### 2. Teaching and Learning:

#### 2.1 Teaching Interests:

- Engineering Physics
- Applied Physics
- Solid state Physics
- Materials Science,
- Quantum Mechanics
- Classical Mechanics.

#### 2.2 Novel Teaching & Learning Techniques adopted:

- POGIL
- WIT-WIL
- Synthetic method
- Problem solving method

#### 2.3 Involvement in curriculum updating / Design:

- Chairman, Board of Studies in Physics

### 3. Co-curricular and Extra-Curricular Activities

#### 3.1. Interests and Hobbies:

- Reading Books.
- Playing Cricket
- Shuttle Badminton.
- Table Tennis

#### 3.2. CCA/ECA Organized:

- NSS Programme Officer, Unit-II
- Incharge for Project Compendium
- Member, Students Progression Committee
- Member, Canteen Committee
- Member, Disciplinary Committee
- Member in I. B.Tech Induction programme ,

- Member, Transport manual design committee

### 3.3. CCA/ECA participated:

- Organized NSS Special camp at Venkataraopet village in Medak district in July 2019.
- Organized NSS Special camp at Nagasenpally village in Medak district in July 2018.
- Organized NSS Special camp at Reddipally village in Medak district in July 2017.
- Organized NSS Special camp at manthoor village in Medak district in Dec 2016.
- Acted as judge at Paper presentatin competition in 2017 at VNRVJIET during Convergence 2K17.

### 3.4. Counseling and Mentoring Activity:

#### 3.5. Committees involved in:

##### **Department level:**

- Chairman, Board of Studies in Physics
- Incharge for Engineering Physics Lab (2011-2015)
- Member, Disciplinary Committee
- Member in I. B.Tech Induction programme ,
- Member, Transport manual design committee

##### **Institute Level:**

- NSS Programme Officer, Unit-II
- Incharge for Project Compendium (2012-2017)
- Member, Students Progression Committee
- Member, Canteen Committee
- Co-Convener Sintillashunz 2013 & 2014
- Coordinator, Sintillashunz 2019
- Member, Re-start manual Committee.

### 4. Conference / Workshop / Seminar / Guest Lectures:

#### 4.1 Conducted: 02

#### 4.2 Attended:

- Presented a paper on EPR and Optical absorption studies of manganese doped lithium borate glasses at “*Fifth International Conference on Advances in Materials Science (Online)*” during 6<sup>th</sup>- 7<sup>th</sup> Jun 2020, conducted by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, Sangli, Magharashtra, India.

- Presented a paper on Influence of alkaline earths on EPR spectra of lithium borate glasses doped with Fe (III) ions at “*International Conference on Multifunctional Materials (ICMM-2019)*” during 19<sup>th</sup>- 21<sup>st</sup> Dec 2019, conducted by Department of Physics, Geethanjali College of Engineering and Technology, Cheeryal, Keesara , Medchal, Telangana State, India.
- Presented a paper on Structural properties of Li<sub>2</sub>O-BaO-B<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub> glasses at “*3<sup>rd</sup> International conference on Condensed Matter and Applied Physics*” during 14<sup>th</sup>- 15<sup>th</sup> Oct 2019, conducted by Department of Physics, Govt Engineering College, Bikaner, Rajasthan, India.
- Presented a paper on Alkaline earth lithium borate glasses doped with Fe (III) ions –an EPR and optical absorption study at “*National Seminar on Physics and Chemistry of Non-Crystalline Materials (PCNCM-2017)*” during 1<sup>st</sup> -2<sup>nd</sup> Dec 2017, conducted by Department of Physics, Kakani Venkata Ratnam College, Nandigama, Krishna District, Andhra Pradesh, India.
- Presented a paper on EPR spectroscopic investigations in 15BaO-25Li<sub>2</sub>O-(60-x)B<sub>2</sub>O<sub>3</sub>-xFe<sub>2</sub>O<sub>3</sub> glass system at “*2<sup>nd</sup> International conference on Condensed Matter and Applied Physics*” during 24<sup>th</sup>- 25<sup>th</sup> Nov 2017, conducted by Department of Physics, Govt Engineering College, Bikaner, Rajasthan, India.
- Presented a paper on Alkaline earth lithium borate glasses doped with 3d transition metal ion studied by IR and Raman techniques at “*Fourth Two Day National Conference on Applied Physics and Materials Science (APMS-2017)*” during 10<sup>th</sup>- 11<sup>th</sup> March 2017, conducted by Vasavi College of Engineering, Hyderabad, India.
- Presented a paper on Electron paramagnetic resonance spectra of copper ion doped lithium barium borate glasses at “*61<sup>st</sup> DAE Solid State Physics Symposium*” during 26<sup>th</sup>- 30 Dec 2016, conducted by Department of Atomic Energy, Government of India, held in KIIT Universty, Bhubaneswar, Odhisa, India.
- Presented a paper on Optical absorption and FTIR studies of Cu<sup>2+</sup> ion doped in 25Li<sub>2</sub>O-15BaO-(60-x) B<sub>2</sub>O<sub>3</sub> glasses at “*2<sup>nd</sup> International Conference on Materials Science and Technology (ICMST-2016)*” during 05<sup>th</sup>- 8<sup>th</sup> June 2016, conducted by Department of Physics, St. Thomas College, Palai, Arunapuram, Kottayam, Kerala, India 686574.
- Presented a paper on Electron Paramagnetic Resonance Spectroscopy of Fe<sup>3+</sup> ions in Lithium calcium borate glasses at “*National Seminar on Multi functional Materials and their Applications (NSMMA-2016)*” during 29<sup>th</sup>- 30<sup>th</sup> March 2016, conducted by Department of Physics, University College of Science, Osmania University, Hyderabad.

- Presented a paper on Physical and Optical Absorption Studies of Fe<sup>3+</sup>- ions Doped Lithium Borate Glasses Containing Certain Alkaline Earths at “60<sup>th</sup> DAE Solid State Physics Symposium” during 21<sup>st</sup>- 25<sup>th</sup> Dec 2015, conducted by Amity University , Noida, Uttar Pradesh, India.
- Presented a paper on DSC and Optical Studies on BaO-Li<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub>-CuO glass system at “International conference on Condensed Matter and Applied Physics” during 30<sup>th</sup>- 31<sup>st</sup> Oct 2015, conducted by Department of Physics, Govt Engineering College, Bikaner, Rajasthan, India.
- Presented a paper on Optical Characterization of Copper ion doped Li<sub>2</sub>O-SrO-B<sub>2</sub>O<sub>3</sub> glasses at “Third Two Day National Conference on Applied Physics and Materials Science (APMS-2015) during 7<sup>th</sup>- 8<sup>th</sup> Aug 2015, conducted by Vasavi College of Engineering, Hyderabad, India.
- Presented a paper on Structural and optical properties of CuO doped lithium borate glasses at “International conference on Glasses and other functional materials” during 11<sup>th</sup>- 13<sup>th</sup> Dec 2014, conducted by Acharya Nagarjuna University, Guntur, Andhra Pradesh, India.
- Attended International Conference on Nano, BIO and Materials Science (ICONBMS-2014)” during 8<sup>th</sup>-10<sup>th</sup> January 2014, Conducted by Department of Physics, Nizam College, Osmania University, Hyderabad.
- Presented a poster on Structural & Spectroscopic Properties of Borate glasses doped with Transition metal ions at “National Seminar on Advanced Materials and their Applications” during 27<sup>th</sup>-28<sup>th</sup> February, 2013, conducted by Department of Physics, Osmania University, Hyderabad.
- Attended “4<sup>th</sup> IEEE International Conference on Technology for Education” during 18<sup>th</sup>-20<sup>th</sup> July, 2012, conducted by IIIT, Hyderabad.
- Attended “40<sup>th</sup> National Seminar on Crystallography” during 26<sup>th</sup>-28<sup>th</sup> November, 2011. Conducted by Department of Physics, Osmania University, Hyderabad.
- Attended One day Seminar on “Physics for Engineers” on 25<sup>th</sup> September 2010. Conducted by Stanley College of Engineering & Technology For Women, Hyderabad.

## **WORKSHOPS:**

- Attended One-week Online Faculty Development Programme on “The Use of Virtual Physics Labs - Creating Next Generation Teachers” organized by Department of Freshman Engineering, Geethanjali College of Engineering and Technology in association with Indian Society for Technical Education (ISTE) from 20<sup>th</sup> - 24<sup>th</sup>, May 2020.
- Attended One Week Online Faculty Development Programme on “Materials: Recent Trends & Engineering Applications” organized by Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology during 02 - 07 June 2020.
- Successfully Completed an AICTE approved Faculty Development Programme (FDP201x) on “Pedagogy for online and Blended Teaching-Learning Process” conducted by Indian Institute of Technology Bombay from September 14<sup>th</sup> 2017 to October 12<sup>th</sup>, 2017.
- Successfully Completed an AICTE approved Faculty Development Programme (FDP101x) on “Foundation Program in ICT for Education” conducted by Indian Institute of Technology Bombay from August 3<sup>rd</sup> 2017 to September 7<sup>th</sup>, 2017.
- Attended a One day Faculty development Program workshop on “*Light Harvesting Materials*” during on 10<sup>th</sup> October 2015, conducted by Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad Under TEQIP.
- Attended a One day National level workshop on “*Emerging Trends in Nanotechnology*” on 24<sup>th</sup> August 2013, conducted by Department of Physics, CMR Engineering College, Hyderabad.
- Attended a Two day workshop on “*Advanced Materials and Their Applications*” during 02<sup>nd</sup>-03<sup>rd</sup> September, 2013, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad Under TEQIP-II.
- Attended a Two day workshop on “*The Pedagogy of Technical Writing*” during 06<sup>th</sup>-07<sup>th</sup> September, 2012, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.
- Attended “*The Faculty Development Programme on Engineering Physics*” during 19<sup>th</sup>-20<sup>th</sup> August, 2011, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

- Attended a Workshop on “*Introduction to Nano Science, Nano Technology & Applications*” Conducted by Center for Nano Science & Technology, Institute of Science & Technology and Department of Physics, JNTUCEH, Hyderabad during 03rd -04<sup>th</sup> September, 2010.
- Attended a Two day Workshop on Experimental physics lab course , “*Px Lab 2009*” Conducted jointly by Department of Physics , JNTUH College of Engineering ,Hyderabad & Jagtial and VNRVJIET Hyderabad during 17<sup>th</sup> -18<sup>th</sup> , September 2010.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

5.2. Articles / Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG:

b) PG:

5.5. Research Interests: Glass materials and Nano materials

5.6. Ph.D students:

a) Enrolled:

b) Submitted:

c) Awarded: Awarded in 2016.

5.7. Papers published in reviewed Journals:

S. No	Title of the Paper	Journal Name Vol.No.	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Effect of alkaline earths on spectroscopic and structural properties of Cu <sup>2+</sup> ions - doped lithium borate glasses	Journal of Non-Crystalline Solids 426 (2015) 47-54. (Elsevier Sciences)	ISSN: 0022-3093.	2.929	International
2	Structural and optical properties of CuO doped lithium borate glasses	Physics and Chemistry of Glasses: European Journal of Glass Science and Technology part B. October 2015, 56 (5), 197–202	ISSN 1753-3562 (Print).	1.1	International
3	EPR and optical	Physics and	ISSN 1753-3562	1.1	International

	absorption studies of Cu <sup>2+</sup> ion doped in xLi <sub>2</sub> O-(40-x) Bi <sub>2</sub> O <sub>3</sub> -20CdO-40B <sub>2</sub> O <sub>3</sub> glasses	Chemistry of Glasses: European Journal of Glass Science and Technology part B. October 2016, 57 (5), 223–226.	(Print).		
4	Optical and structural evaluation of lithium strontium borate glasses doped with copper ions	Current Physical Chemistry, 8 (2018) 1-16.  (Bentham Science Publications)	ISSN: 1877-9476 (Online), ISSN: 1877-9468 (Print)	1	International
5	Spectroscopic properties of alkali alkaline earth borate glasses doped with Fe <sup>3+</sup> ions	Journal of Australian Ceramic Society, 56 (2020) 127-138.  (Springer Publications)	ISSN: 0004881X.	1.3	International
6	Physical and Optical Properties of Borobismuthate Glasses Containing Vanadium Oxide	Glass Physics and Chemistry, 46 (2020) 146-154.  (Springer Publications)	ISSN PRINT: 1087-6596 ISSN ONLINE: 1608-313X	1	International
7	Optical and conductivity characterization of alkaline earth A.C	Optik, 220 (2020) 165152.  (Elsevier	ISSN: 0030-4026	2.187	International

	borobismuthate glasses doped with nickel oxide.	Publications)			
8	Thermal and structural characterization of lithium borate glasses doped with Fe(III) ions: The role of alkaline earths	Optical Materials, 109 (2020) 110345. (ELSEVIER Publications)	ISSN: 0925-3467	2.779	International
9.	Optical Characterization of Copper ion doped Li <sub>2</sub> O-SrO-B <sub>2</sub> O <sub>3</sub> glasses.	Proceedings of the Third National Conference on Applied Physics and Materials Science, Vasavi College of Engineering, Hyderabad, 7-8 August, 2015. Pp 71-73.	Pp 71-73. ISBN: 978-93-82570-64-6		National
10.	DSC and Optical Studies on BaO-Li <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -CuO Glass System	AIP Conference Proceedings <b>1728</b> , 020583 (2016); doi: 10.1063/1.4946634.	ISSN: 0094243X, 15517616.	0.40	International
11	Physical and optical absorption studies of Fe <sup>3+</sup> ions doped lithium borate glasses containing certain alkaline earths	AIP Conference Proceedings <b>1731</b> , 070038 (2016); doi: 10.1063/1.4947870	ISSN: 0094243X, 15517616	0.40	International
12	Electron paramagnetic resonance spectra of copper ion doped lithium barium borate Glasses	AIP Conference Proceedings <b>1832</b> , 070025 (2017); doi: 10.1063/1.4980460	ISSN: 0094243X, 15517616	0.40	International
13	EPR spectroscopic	AIP Conference	ISSN: 0094243X,	0.40	International

	investigations in 15BaO-25Li <sub>2</sub> O-(60-x) B <sub>2</sub> O <sub>3</sub> -xFe <sub>2</sub> O <sub>3</sub> glass system	Proceedings 1832, 070025 (2017). doi: 10.1063/1.4980460	15517616.		
14	Optical absorption and FTIR studies of Cu <sup>2+</sup> ion doped in 25Li <sub>2</sub> O-15BaO-(60-x) B <sub>2</sub> O <sub>3</sub> glasses	IOP Conference Series: Materials Science and Engineering, 360, 012018 (2018).	ISSN: 17578981, 1757899X	0.65	International
15.	Alkaline earth lithium borate glasses doped with Fe(III) ions –an EPR and optical absorption study	Materials Today Proceedings 8 (2018) 26199-26206. (ELSEVIER Publications)	ISSN: 2214-7853	0.576	International
16	Structural properties of Li <sub>2</sub> O-BaO-B <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> glasses	AIP Conference Proceedings 2220, 080058 (2020).	ISSN: 0094243X, 15517616.	0.40	International
17	Effect of small concentration of TiO <sub>2</sub> on physical and optical properties of borobismuthate glasses	AIP Conference Proceedings 2220, 080038 (2020).	ISSN: 0094243X, 15517616.	0.40	International
18	Influence of alkaline	Journal of	ISSN: 17426588,	0.65	International

	earths on EPR spectra of lithium borate glasses doped with Fe (III) ions	Physics: IOP Conference Series 1495, 012002 (2020).	17426596		
19	A study on optical properties of MnO doped borobismuthate glasses.	Materials Today Proceedings 41 (2021) 1008-1012 (ELSEVIER Publications)	ISSN: 2214-7853	0.576	International
20	Influence of TiO <sub>2</sub> ions on structural properties and AC conductivity of BaO-Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system.	Materials Today Proceedings 38 (2021) 2200-2204 (ELSEVIER Publications)	ISSN: 2214-7853	0.576	International
21	Optical properties of lithium borate glasses co-doped with transition metal ions for Li-ion battery applications	International E-Conference on Materials Processing & Characterization -2020, 18-19 September 2020. pp.297-299	ISBN: 978-81-946476-9-0.	---	International

#### 5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Structural and optical properties of CuO doped lithium borate glasses,	International Seminar on Glasses and Other Functional	International	Dec 12-14, 2014

		Materials.(ISGFM)		
2	Optical Characterization of Copper ion doped Li <sub>2</sub> O-SrO-B <sub>2</sub> O <sub>3</sub> glasses.	National Conference on Applied Physics and Materials Science	National	Aug. 2-3, 2015
3	DSC and Optical Studies on BaO-Li <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -CuO glass system	Department of Physics, Govt Engineering College, Bikaner, Rajasthan, India.	International	30 <sup>th</sup> - 31 <sup>st</sup> Dec 2015,
4	Physical and Optical Absorption Studies of Fe <sup>3+</sup> -ions Doped Lithium Borate Glasses Containing Certain Alkaline Earths	60 <sup>th</sup> DAE Solid State Physics Symposium	International	21 <sup>st</sup> - 25 <sup>th</sup> Dec 2015.
5	Electron Paramagnetic Resonance Spectroscopy of Fe <sup>3+</sup> ions in Lithium calcium borate glasses	National Seminar on Multifunctional Materials and their Applications (NSMMA-2016)	National	29 <sup>th</sup> - 30 <sup>th</sup> March 2016.
6	Presented a paper on Optical absorption and FTIR studies of Cu <sup>2+</sup> ion doped in 25Li <sub>2</sub> O-15BaO-(60-x) B <sub>2</sub> O <sub>3</sub> glasses	2 <sup>nd</sup> International Conference on Materials Science and Technology (ICMST-2016)	International	05 <sup>th</sup> - 8 <sup>th</sup> June 2016.
7	Electron paramagnetic resonance spectra of copper ion doped lithium barium borate glasses	61 <sup>st</sup> DAE Solid State Physics Symposium	National	26 <sup>th</sup> - 30 Dec 2016.
8	Alkaline earth lithium borate glasses doped with 3d transition metal ion studied by IR and Raman techniques	National Conference on Applied Physics and Materials Science (APMS 2017)	National	10 <sup>th</sup> - 11 <sup>th</sup> March 2017.
9	EPR spectroscopic investigations in 15BaO-25Li <sub>2</sub> O-(60-x)B <sub>2</sub> O <sub>3</sub> -xFe <sub>2</sub> O <sub>3</sub> glass system	2 <sup>nd</sup> International conference on Condensed Matter and Applied Physics	International	24 <sup>th</sup> - 25 <sup>th</sup> Nov 2017.
10	Alkaline earth lithium borate glasses doped with Fe (III) ions –an EPR and optical absorption study.	National Seminar on Physics and Chemistry of Non-Crystalline Materials(PCNCM-2017)	National	1 <sup>st</sup> -2 <sup>nd</sup> Dec 2017.

11	Structural properties of Li <sub>2</sub> O-BaO-B <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> glasses	3 <sup>rd</sup> International conference on Condensed Matter and Applied Physics”	International	14 <sup>th</sup> -15 <sup>th</sup> Oct 2019,
12	Influence of alkaline earths on EPR spectra of lithium borate glasses doped with Fe (III) ions	International Conference on Multifunctional Materials (ICMM-2019)”	International	19 <sup>th</sup> -21 <sup>st</sup> Dec 2019
13	EPR and Optical absorption studies of manganese doped lithium borate glasses	Fifth International Conference on Advances in Materials Science (Online)	International	6 <sup>th</sup> - 7 <sup>th</sup> Jun 2020
14				

#### 5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

#### 5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

#### 6. Awards / Honors received:

1. Acted as Reviewer for International Conference on Multi functional materials held during 19-21 December 2019 at Geethanjali College of Engineering and Technology.
2. Awarded with Certificate of Editorial board membership by Science Research Association Journal of physics.
3. Awarded with Certificate of Editorial board membership by Science Research Association Journal of materials.

4. Awarded with "Outstanding Researcher in Materials Science", Awarded by RULA Awards, Powered by "World Research Council" and " United Medical Council".
  5. Awarded with Certificate of Outstanding Contribution in Reviewing, June-2018 from Journal of Materials Chemistry and Physics. (ELSEVIER Publications)
  6. Awarded with Certificate of Reviewing,, April-2018 from Journal of Materials Chemistry and Physics. (ELSEVIER Publications)
  7. Awarded with Certificate of Reviewing, April-2018 from Vibrational Spectroscopy. (ELSEVIER Publications)
  8. Life member in Materials Research Society of India (MRSI) in compliance with the membership number LMB3019.
  9. Accredited member of World Research Council in compliance with Accreditation number WRC-RRF-IND-10101 for the academic year 2019-20.
  10. Acting as Reviewer for **Journal of Inorganic and Organometallic Polymers and Materials**. (Springer Publications).
  11. Acting as Editorial Board Member for **International Journal of Materials Science and Applications (IJMSA); ISSN Print: 2327-2635, ISSN Online: 2327-2643.**
7. Motto: 1. Every successful person has a painful story, and every painful story has successful ending.  
2. Intelligent may fail, but hard work and sincerity never fails.