

FACULTY PROFILE

Dr.M.Bhushana Reddy,

Lecturer in Physics,

Govt. Degree College for Men (A),Kadapa,

Andhra Pradesh

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Name & Address	M. Bhushana Reddy, Lecturer in Physics, Dept. of Physics, Govt. College for Men (A) Kadapa, Andhra Pradesh.					
Date of Birth & Age : Date of Joining :	02.06.1966: 58 Years. 17.01.1997					
Teaching Experience :	28 Years					
Educational Qualifications	M.Sc. in Physics, SVU, Tirupati. 1986-1988 with 60.3% M.Phil. in Physics, M.S University, 2003 with 69% Ph.D. in Physics, Rayalaseema University, 2015					
Area of Expertise	Material Science in Physics					
Additional Responsibilities held	- Academic adviser for Academic Audit to various colleges from 01-03-2014. - Incharge, UG Courses. - Member of IQAC Cell - Member of Purchasing Committee - UGC Co-ordinator					
Employment Details:						
	S.No	Name & address of Institute	Post held	From date	To date	Job Type
	1	Govt. College for Men(A), Kadapa	Lecturer in Physics (SG)	9.9.2021	Till date	Regular (UGC Scales)
	2	S.V.Degree College, Kadapa	Lecturer in Physics (SG)	16.04.2009	09.09.2021	Regular (UGC Scales)
	3	S.V.Degree College, Kadapa	Lecturer (Sr. Scale)	16.04.2004	15.04.2008	Regular (UGC Scales)
	4	S.V.Degree College, Kadapa	Lecturer	16.04.1999	15.04.2004	Regular (UGC Scales)
	5	S.V.Degree College, Kadapa	Lecturer	17.01.1997	16.04.1999	Regular (State Scales)
Awards	A.P. State Level ‘Best Teacher Award-2012’					

Papers Published in
International Journals

S. No	Title with Page No.	Journal	ISSN/ ISBN No.	Impact Factor/ Peer review ed if any	Date & Period
1	Synthesis and luminescence properties of $\text{Ca}_3\text{Ga}_2\text{Si}_3\text{O}_{12}:\text{RE}^{3+}$ (RE =Eu /Tb) powder phosphors, DOI 10.1002/bio.1295	Luminescence: The J.Bio. Chem.Lumini	ISSN 1522-7243	IF: 1.73	14.02.2011
2	Spectroscopic studies of RE^{3+} (RE= Eu, Tb, Sm & Dy): Lithium lead boro tellurite glasses,38,1-10	Ferroelectrics Letters Section	ISSN 1563-5228	IF: 0.27	2011
3	Optical analysis of Sm^{3+} and Dy^{3+} ions doped cadmium lead boro tellurite glasses,1-10	Radiation Effects and Defects in Solids	ISSN 1029-4953	IF: 0.66	2011
4	Sol-gel synthesis, structural and optical properties of rare earth ions (Sm^{3+} or Dy^{3+}) activated $\text{Ca}_3\text{Ga}_2\text{Si}_3\text{O}_{12}$ powder phosphors, 131,2503-2508	Journal of Luminescence	ISSN: 0022-2313	IF: 2.1	2011
5	Optical properties of Dy^{3+} ions doped $\text{B}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-ZnO-Li}_2\text{O}$ glasses, Vol-II No.2 (13-15)	Search and Research 2	ISSN 0975-5713	IF: 0.4	2011
6	Spectroscopic investigations of Sm^{3+} ions doped $\text{B}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-ZnO-Li}_2\text{O}$ glasses, 38, 40-50	Ferroelectrics Letters Section	ISSN 1563-5228	IF: 0.27	2011
7	Effect of concentration on the photoluminescence properties of Sm^{3+} & Dy^{3+} : Cadmium lithium boro tellurite glasses, Vol.12,1662-1666	Journal of Nanoscience and Nanotechnology	ISSN 1533-4880	IF: 1.56	2012
8	Spectroscopic investigations of Eu^{3+} & Tb^{3+} : cadmium lead boro tellurite glasses, Vol.38,77-84	Glass Physics and Chemistry	ISSN 1608-313x	IF: 0.5	2012

	9	Optical absorption and NIR emission spectral studies of Er ³⁺ and Nd ³⁺ : Zinc lithium bismuth borate glasses DOI:10.1007/s12596-014-0189-6	Journal of Optics	ISSN 2040-8978	IF: 2.01	07.01.2014
	10	Optical analysis of Cu ²⁺ : CdO- Li ₂ O- B ₂ O ₃ - Te O ₂ glass , Vol.5, 96-98	Int. journal of Engg. Research and Applications	ISSN 2248-9622	IF: 0.5	Nov. 2015
	11	Optical analysis of RE ³⁺ (RE=Pr ³⁺ , Er ³⁺ and Nd ³⁺): Cadmium Lead boro tellurite glasses,1-10 DOI:10.1002/bio.3096	Luminescence: The J.Bio. Chem. Lumin	ISSN 1522-7243	IF: 1.73	21.12.2015
	12	Alkali and mixed alkali effect: Spectral investigations on Sm ³⁺ and Dy ³⁺ ions doped zinc tungstate borophosphate glasses	Ferroelectrics	ISSN 0015-0913	IF: 0.6	13.02.2024
Conferences Organized	- Organized the “National Conference on Advances in Nanomaterials, Devices and Technologies” on 11-12 July 2009 at S.V.Degree College, Kadapa, A.P. as Co-Convener - Organized Second “INSPIRE Internship Science Camp” from 10-15th December, 2016 at S.V.Degree College, Kadapa, A.P. as Co-Coordinator					
Projects Completed:	- Completed UGC-SERO, Hyderabad Sponsored Minor Research Project as Principal Investigator - UGC-SERO, Hyderabad Sponsored Minor Research Project as Principal Investigator					

Conferences/Seminars
/Schools/Workshops/
Refresher/Orientation
Programme:

- Participated and presented **Five papers** in National conference on *Advances in Nanomaterials, Devices and Technologies* organized by S.V.Degree College, Kadapa from 11-12th, July 2009
- Presented in UGC Sponsored “National Conference Materials for Energy Storage and Conversion” (NCMESC-2010) organized by Dept. of Physics, Sri Venkateswara University, Tirupati, India, January 23-24, 2010 and presented the following paper entitled
 1. Spectral analysis of Eu³⁺ and Tb³⁺ ions doped Zinc lead borotellurite glasses and
 2. Optical Characterization of RE³⁺ (Eu³⁺ and Tb³⁺): Zinc lithium bismuth borate glasses
- Participated and presented a paper in “International workshop and symposium on Synthesis and characterization of Glass/ Glass-Ceramics” organized by C-MET, Pune, India, July 7-10th, 2010. **Title:** Optical Characterization of Eu³⁺ & Tb³⁺ : TeO₂- B₂O₃- PbO- ZnO Glasses
 - Participated & Presented a paper in “National Conference on Recent Advances in Material Science” organized by Dept. of Physics, Loyola Degree College, Pulivendula, India, 1st & 2nd November, 2014.
 - Participated & Presented Two papers in one day “National seminar on Recent Trends in Material Science” organized by Dept. of Physics, S.V.Degree College, Kadapa, India, 1st & 2nd March, 2015.
 - Participated & Presented a paper in “National seminar on Advances in Material Science & Nano Technology” organized by Dept. of Physics, SBVR Degree College, Badvel, India, 5th April, 2015
 - Participated & Presented a paper in “National seminar on Advances in Materials Science” organized by Dept. of Electronics & Instrumentation, ANU, Guntur, India, 25-26th, Nov, 2015
 - Participated & Presented a paper in “National Conference on Luminescence and its Applications” organized by Dept. of Physics, RTM Nagpur University, Nagpur, India, 18-20th February, 2016.
 - Participated & Presented a paper in “National Conference on ICT Empowered Teaching, Learning and Evaluation” organized by IQAC, SSBN Degree College(A), Anantapuram, India, 16-17th December, 2016.
 - Participated & Presented a paper in “National seminar on Advance Trends in Material Science” organized by Dept. of Physics, GDC Men (A), Kadapa, India, 10th March, 2017
 - Participated & Presented four papers in “National seminar on Advance Trends in Material Science” organized by Dept. of Physics, GDC Men (A), Kadapa, India, 24th September, 2022

Full Papers Published in
International Conference
Proceedings

1. Optical Absorption and emission spectra of Cu²⁺, Mn²⁺ and Ni²⁺ : Cadmium lead Boro Tellurite Glasses (2011)
2. Optical Absorption and NIR Emission spectral studies of Er³⁺ and Nd³⁺ : Zinc Lithium Bismuth Borate Glasses (2011)

Full Papers Published
in National Conference
Proceedings:

1. Emission Analysis of RE³⁺ (RE=Eu,Tb): CdO- Li₂O- B₂O₃ Glasses)
2. Effect of Global Warming on Climate Change and its Adaption (2011)

Conferences/Seminars/
Refresher Courses
/Workshops Attended:

- Participated in the UGC sponsored orientation programme from 19.04.1999 to 15.05.1999 conducted by Academic staff college, S.V.University, Tirupati
- Participated in the UGC Refresher Course in Chemical Physics from 22-09-2003 to 12-10-2003 conducted by Dept. of Physics, V.R. College, Nellore
- Participated in the UGC Refresher Course in Educational Technology from 12-11-2007 to 01-12-2007 conducted by Academic staff college, S.V.University, Tirupati
- Participated in the UGC Refresher Course in Information

Technology from 22-02-2010 to 13-3-2010 conducted by Academic staff college, S.V.University, Tirupati

- Participated in the FDP from 05-1-2010 to 23-1-2010 conducted by APITCO, Hyd & DST, New Delhi.
- Participated in the UGC Refresher Course in Physics from 04-01-2011 to 06-1-2011 conducted by DRW College, GUDUR, AP
- Participated in the International workshop on “Frontiers of Atmospheric Physics and Technology” organized by Department of Physics, Yogi Vemana University, Kadapa, India, February, 20-22, 2008.
- Participated in the National Seminar on “Natural Resources and Natural Disasters” organized by Department of Physics, Yogi Vemana University, Kadapa, India, January, 19-20, 2009.
- Participated in the Meeting on “Laser Glass & Technology” organized by Department of Physics, S.V. University, Tirupati, India, January, 1-2, March, 2011.
- Participated in the DRC workshop on “*Human Values and Professional Ethics*” organized by SKR&SKR Govt.College for Women, Kadapa 25th January 2015.
- Participated in One day National Seminar on “*New Trends on Advanced Materials*” Dept. of Physics, Govt. College, Kadapa 27th February 2015.
- Participated in One day National Seminar on “Environmental Hazards, causes , controlling Measures” *New Trends on Advanced Materials*” Dept. of Physics, Govt. College, Kadapa 17th March 2015.
- Participated in “National workshop on Emerging Trends in Academics & Research YVU, Kadapa, India, 28th February & 1st March, 2017
- Participated in the one day seminar on “*Continuous Internal Assessment in Promoting Quality Education*” organized by Loyola Degree College, Pulivendula on 27th March 2017.
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