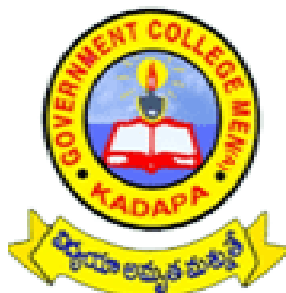


GOVERNMENT COLLEGE FOR MEN (AUTONOMOUS)

(Affiliated to Yogi Vemana University, Kadapa)

KADAPA – 516004, YSR KADAPA DISTRICT

ANDHRA PRADESH, INDIA



Dr. B. SUDHAKAR REDDY

M.Sc., M.Phil., Ph.D.

Professor of Physics & NRC Co-Ordinator

State Best Teacher Awardee -2008

Post Doctoral Fellow: South Korea

NAAC Peer Team Member

NESA Fellow

Research Supervisor & Principal Investigator



CURRICULAM VITAE

I. PERSONAL DETAILS

- | | | |
|------|----------------------------|---|
| i | NAME | : Dr. B. Sudhakar Reddy |
| ii | DESIGNATION | : Professor of Physics |
| iii | AFFILIATION | : Department of Physics,
Government College for Men (A)
Kadapa - 516004 YSR Kadapa District
Mobile: +91 9182043354 (R)
Mobile: +91 9440921413 (P)
Email : drbsreddyphd@gmail.com |
| iv | DATE OF BIRTH | : July 01, 1969 |
| iv | NATIONALITY/RELIGION/CASTE | : Indian- Hindu -Kapu (OC) |
| v | PASSPORT NUMBER | : X4543567 |
| vi | AADHAR NUMBER | : 979421559941 |
| vii | EMPLOYEE ID | : 1208393 |
| viii | CFMS NUMBER | : 1440327 |
| ix | SCALE OF PAY | : 144200-218200 (Academic Level: 14) in
UGC RPS-2016 scales |

II. ACADEMIC QUALIFICATIONS

❖ Ph.D	:	Doctor of Philosophy (Physics)
University	:	S.V.University, Tirupati, India
Thesis Title	:	Optical Characterization of certain Transition Metal (Cu^{2+} , Mn^{2+}) & Rare-Earth Ions (Eu^{3+} , Tb^{3+} , Nd^{3+} , Er^{3+} , Pr^{3+} , Tm^{3+}) Doped Boro-Fluoro-Phosphate Glasses
Year of Award	:	February 2008
❖ M.Phil	:	Master of Philosophy (Physics)
University	:	S.V.University, Tirupati, India
Dissertation Title	:	EPR and Optical Spectral Studies on Mn^{2+} Ions Doped in Potassium Thiourea Bromide Single Crystals
Year of Passing	:	January 2005
❖ M.Sc	:	Master of Science (Physics)
University	:	S.V.University, Tirupati, India
Year of Passing	:	October 1992

III. TEACHING EXPERIENCE

October 03, 2021 to till date	:	Professor of Physics Government College for Men(A) YSR Kadapa District
September 18, 2021 to Oct 03, 2021	:	Professor of Physics Government College, Rajampeta, YSR Kadapa District
September 09, 2021 to Oct 03, 2021	:	Professor of Physics O/o Regional Joint Director of Collegiate Education, Kadapa
June 28, 2017 to September 09, 2021	:	Professor of Physics SKR & SKR Government College for Women (A), Kadapa
April 16, 2014 to June 27, 2017	:	Professor of Physics S.V.Degree College(Aided), Kadapa
April 16, 2011 to April 15, 2014	:	Associate Professor of Physics S.V.Degree College(Aided), Kadapa
April 16, 2008 to April 15, 2011	:	Reader in Physics S.V.Degree College, Kadapa
Jan 17, 1997 to April 15, 2008	:	Lecturer in Physics (Aided), S.V. Degree College, Kadapa
May 18, 1995 to Jan 16, 1997	:	Lecturer in Physics (Un-Aided), SYSRM Degree College, Kadapa

❖ SUBJECTS TAUGHT

UG Course (B. Sc Hons. Physics) : Mechanics, Waves and Oscillations, Optics, Thermodynamics, Electricity, Magnetism, Electronics, Modern Physics.

PG Course (M. Sc Physics): Taught the following subjects at S.V. Degree College, Kadapa for M.Sc., Physics Course: Mathematical Physics, Classical Mechanics, Analytical Techniques, Quantum Mechanics, EM Theory, Optics, Spectroscopy

IV. RESEARCH EXPERIENCE : Since 2005

❖ RESEARCH ACTIVITY AND INTEREST:

Over the past one decade of rich experience in the preparation, characterization and optimization of variety of rare-earth ions doped glasses, glass-ceramics and nanocrystalline materials for the development of laser systems, optical fiber amplifiers, pressure and temperature sensors, solid state lighting and waveguides.

Current research activities involve indigenous development of laser glasses for high power and high energy laser systems, waveguides and W-LEDs. The research activities are of both fundamental as well as applied in nature. These research activities have been supported/funded/collaborated by a wide variety of Government and other academic organizations both from India and abroad (South Korea, South Africa).

V. ADMINISTRATIVE EXPERIENCE/RESPONSIBILITIES

- **Research Co-ordinator:** Government College for Men (A), Kadapa
- **NRC Co-Ordinator:** Government College for Men (A), Kadapa
- **President:** Institutional Innovation Cell (IIC), Govt. College for Men (A), Kadapa
- **Member:** Internal Quality Assurance Cell (IQAC), Govt. College for Men (A), Kadapa
- **Member:** NAAC Committee, Government College for Men (A), Kadapa
- **Member:** Board of Studies in Physics, Government College for Men (A), Kadapa
- **Head:** Dept. of Physics, SKR & SKR Govt. College for Women (A), Kadapa
- **Co-ordinator:** UGC Cell, SKR & SKR Govt. College for Women (A), Kadapa
- **Co-ordinator:** RUSA, SKR & SKR Government College for Women (A), Kadapa
- **Head:** Dept. of Physics, SV Degree College, Kadapa, during 2008- 2014
- **Co-ordinator:** UGC Cell, SV Degree College, Kadapa
- **Co-ordinator:** Internal Quality Assurance Cell (UGC- IQAC), S.V. Degree College, Kadapa
- **Member:** Research Committee, SV Degree College, Kadapa, Since 2013.
- **Member:** Board of Studies in Physics: Sri Rama Krishna Degree College, Nandyal, A.P., India.
- **Member:** Board of Studies in Electronics: Y.V. University, A.P., India.

VI. MY ACADEMIC IDENTITY @ RESEARCH DATA BASE

1. **ORCID** <https://orcid.org/0000-0002-1684-2064>
2. **Scopus** <https://www.scopus.com/authid/detail.uri?authorId=56095332300>
3. **Web of Science** <https://www.webofscience.com/wos/author/record/B-6619-2017>
4. **Google Scholar** <https://scholar.google.co.in/citations?user=bsOtJq&user=bsOtJq4AAAJ>
5. **Vidwan** <https://vidwan.inflibnet.ac.in/profile/577422>
6. **Research Gate** <https://www.researchgate.net/profile/B-Reddy-21>
7. **Research Id** <https://researchid.co/busireddy>
8. **Scholar GPS** <https://scholargps.com/scholars/19744966798461/b-sudhakar-reddy>
9. **AD Scientific Index** <https://www.adscientificindex.com/scientist/b-sudhakar-reddy/4620545>

VII. RESEARCH OUTPUT



Scopus

Sudhakar Reddy, B.

① Government College for Men, Kadapa, Kadapa, India 56095332300

881

Citations by 756 documents

71

Documents

17

h-index View h-graph



Web of Science

Dr. B. SUDHAKAR REDDY ✓
(Reddy, B. Sudhakar) | Government College for Men (A) Kadapa India

[Edit](#)

Identifiers
Web of Science ResearcherID: B-6619-2017
<https://orcid.org/0000-0002-1684-2064>

Published names ⓘ
Reddy, B. Sudhakar Reddy, Busireddy Sudhakar Reddy, BS Sudhakar Reddy, Busireddy
Sudhakar-Reddy, B. [Show more](#) ▼

Organizations ⓘ
Govt Coll Men A
Govt Coll Men
SKR & SKR Govt Degree Coll Women Autonomous
SV Degree Coll
SKR&SKR Govt Degree Coll Women Autonomous

Subject Categories
Physics; Materials Science; Chemistry; Optics; Spectroscopy

Metrics [Open dashboard](#)

Profile summary
76 Total documents
69 Publications indexed in Web of Science
69 Web of Science Core Collection publications
0 Preprints
0 Dissertations or Theses
7 Non-indexed publications
43 Verified peer reviews
0 Verified editor records

Web of Science Core Collection metrics ⓘ
16 H-index 69 Publications
812 Sum of Times Cited 690 Citing Articles



Dr.B.Sudhakar Reddy M.Sc., M.Phil.,Ph.D

Professor in Physics , Department of Physics, Government College for Men (A), Kadapa,A.P. India

Verified email at gcmkadapa.ac.in - [Homepage](#)

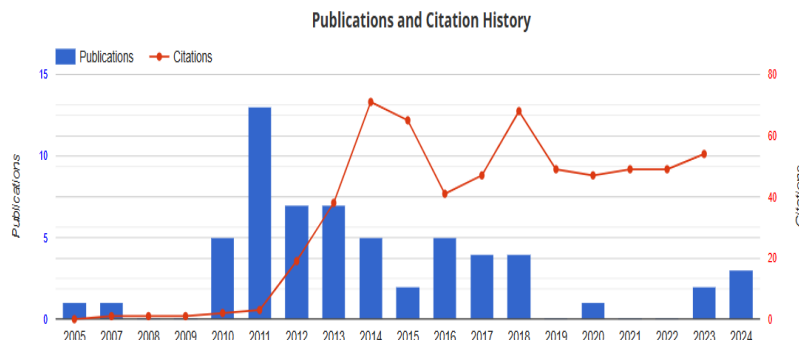
Photoluminescence Rare earth ions doped glas... phosphors ceramics

	All	Since 2019
Citations	1029	441
h-index	19	11
i10-index	26	13

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B. Sudhakar Reddy

Government College for Men Kadapa - Kadapa / India

Natural Sciences / Physics

AD Scientific Index ID: 4620545



AD Rankings for Scientist
More Than a Ranking

World Scientist and University Rankings 2025

Government College for Men Kadapa				
AD Scientific Index ID: 4620545				
B. Sudhakar Reddy				
	In Government College for Men Kadapa (5)	In India (129,069)	In Asia (685,223)	World (2,395,086)
H-Index (Total)	19	#15,465	#102,528	#511,404
H-Index (Last 6 years)	11	#25,918	#159,845	#719,835
H-index Last 6 years / Total Ratio	0.579			
i10 Index (Total)	26	#17,498	#110,874	#531,702
i10 Index (Last 6 years)	12	#25,539	#157,351	#705,793
i10 Index Last 6 years / Total Ratio	0.462			
Citation (Total)	1,023	#20,431	#132,472	#669,487
Citation (Last 6 years)	436	#28,030	#172,731	#780,536
Citation Last 6 years / Total Ratio	0.426			
Natural Sciences *	#1 (3) *	#4,715 (22,615) *	#22,483 (83,971) *	#110,068 (309,034) *
Physics *	#1 (1) *	#1,377 (5,372) *	#6,243 (19,284) *	#28,367 (66,147) *

Date : 31.10.2024 * Source and Methodology: <https://www.adscientificindex.com/scientist/b-sudhakar-reddy/4620545>

VIII. REVIEWER ACTIVITIES FOR SCOPUS/ WOS JOURNALS

S.No	Name of the Journal	Publisher	S.No	Name of the Journal	Publisher
1	Journal of Alloys and Compounds	Elsevier	10	Nuclear Instruments and Methods in Physics	Elsevier
2	Journal of Luminescence	Elsevier	11	Journal of Molecular Structure	Elsevier
3	Materials Research Bulletin	Elsevier	12	Inorganica Chimica Acta	Elsevier
4	Sensor & Activators	Elsevier	13	Luminescence	Wiley
5	Materials Chemistry and Physics	Elsevier	14	RSC Advances	RSC
6	Optics Communications	Elsevier	15	Radiation Effects and Defects in Solids	Taylor & Francis
7	Ceramics International	Elsevier	16	Journal of Materials Science	Springer
8	Journal of Physics and Chemistry of Solids	Elsevier	17	Indian Journal of Physics	Springer
9	Spectrochimica Acta	Elsevier	18	Indian Journal of Pure & Applied Phys	NISCAIR -CSIR

IX: REVIEWER HISTORY REPORT OF ELSEVIER JOURNALS



Review History Report

Dr.B.SUDHAKAR REDDY



From: 1 January 2005
To: 30 October 2024

All dates in GMT

Total journals reviewed for: 15

Total reviews completed: 150



Ceramics International

16



Dyes and Pigments

1



Journal of Alloys and Compounds

70



Journal of Molecular Structure

19



Journal of Non-Crystalline Solids

1



Journal of Physics and Chemistry of Solids

1



Materials Chemistry and Physics

10



Review History Report

Dr.B.SUDHAKAR REDDY



From: 1 January 2005
To: 30 October 2024

All dates in GMT



Materials Research Bulletin

7



Materials Science and Engineering: B

5



Materials Today: Proceedings

2



Optics Communications

12



Physica B: Condensed Matter

2



Polyhedron

1



Sensors and Actuators A: Physical

1

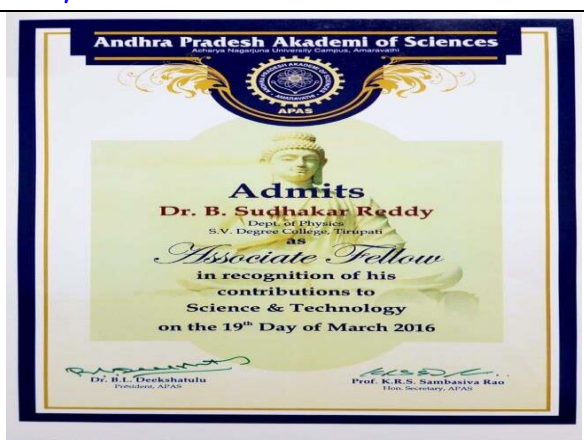
X. AWARDS, HONORS & FELLOWSHIPS:



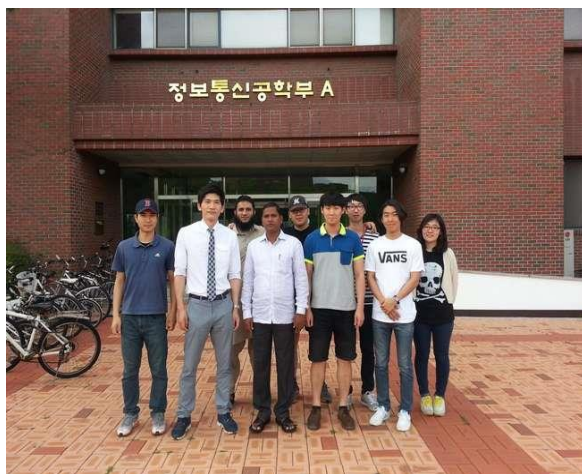
1. Received the State Best Teacher Award from Dr. Y.S. Rajasekhara Reddy garu, Hon'ble Chief Minister of A.P, Hyderabad, India.



2. Received Best Scientist Award for the year 2017, from the National Environmental Science Academy, New Delhi, India.



3. Recipient of Associate Fellow, A.P. Akademi of Sciences, Amaravathi for the year 2016.



Issue No. : 2014 - 26
Date : September 23, 2014



CERTIFICATE OF CAREER

Name in Full : Busireddy Sudhakar Reddy
Date of Birth : July 1, 1969
Gender : Male
Department : School of Information and Communications
Position/Title : Post-Doc.
Career Fact : 2014.06.27. - 2014.09.24.

This is to certify that the above-mentioned person has worked in the Gwangju Institute of Science and Technology.

Young Ioon
President
Gwangju Institute of Science and Technology



123 Cheonan-gaepi-ro (Doryong-dong), Buk-gu, Gwangju 500-712 Republic of Korea
TEL: +82-62-715-2114 FAX: +82-62-715-2300 URL: www.gist.ac.kr

4. Prof. B. Sudhakar Reddy with research working Korean team members while serving as Post Doctoral Fellow at Gwangju Institute of Science and Technology, South Korea



5. Receiving Distinguished Professor Award and Award of Excellence in Research for the year 2018, from the DKIRF, Perambalur, Tamilnadu, India.



6. Received Fellowship of the year Award for the year 2020, from NESAF, New Delhi

XI: RESEARCH GUIDANCE/SUPERVISION

S. No	Ph. D. Awarded/ On-going	Name of the Research Scholar Department College	Title of the Ph.D.Thesis	Year
1	Awarded	S. Sailaja Dept. of Physics, S.V.Degree College,Kadapa	Spectroscopic Investigations Of Rare-Earth (Eu^{3+} , Tb^{3+} , Sm^{3+} , Dy^{3+} , Pr^{3+} & Tm^{3+}) Ions Doped $(\text{MgCa})_2\text{Bi}_4\text{Ti}_5\text{O}_{20}$ Ceramics and $\text{Ca}_2\text{Gd}_2\text{W}_3\text{O}_{14}$ Phosphors	2013
2	Awarded	K. Vemasevana Raju Dept. of Physics, S.V.Degree College,Kadapa	Optical Characterization of Rare-Earth Ions Doped Tellurite Based Glasses and Barium Yttrium Tungstate Powder Ceramics	2013
3	Awarded	P.Giridhar Dept. of Physics, S.V.Degree College,Kadapa	Spectroscopic Investigations Of Certain Transition Metal And Rareearth Ions Doped $(\text{CdO}/\text{Li}_2\text{O})-\text{PbO}-\text{B}_2\text{O}_3-\text{TeO}_2$ Glasses	2015
4	Awarded	M. Bhushana Reddy Department of Physics,S.V.Degree College,Kadapa	Spectroscopic Investigations of Rare earth Ions Doped Zinc Lithium Bismuth Borate Glasses And Calcium Gallium Orthosilicate Phosphors	2015
5	Awarded	B.N.Kumar Reddy Department of Physics,S.V.Degree College,Kadapa	Spectroscopic Investigations of RE^{3+} ($\text{RE}=\text{Eu}$, Tb , Sm , Dy , Er , Nd) ions doped alkali and mixed oxide modified magnesium borosilicate glasses for different applications	2019
6	Awarded	G.Moulika Department of Physics, Govt. College for Men(A),Kadapa	Optical Characterization Of Rare Earth Ions Doped Alkali Oxide Based Calcium Boro Fluoro Phosphate Glasses	2022

7	Awarded	B.Suneetha Department of Physics, Govt.College for Men(A),Kadapa	Optical Characterization of Rare-Earth Ions Doped Cadmium Aluminium Fluoro Lead borate Glasses for Novel, Laser and Optical Fibre Applications	2023
8	Awarded	J.Santhosh Vijitha Department of Physics, Govt. College for Men(A),Kadapa	Optical Characterization of RE^{3+} (RE=Eu, Tb, Sm, Dy, Nd & Er): Boro Phospho Zinc Tungstate Glasses	2024
9	On-going	S.Hajira Department of Physics, Govt.College for Men(A),Kadapa	Spectroscopic Investigations of RE^{3+} (RE= Eu, Tb, Sm, Dy, Pr, Tm): $MgLa_2V_2O_9$ Powder Phosphors	To be submitte d Ph.D. thesis in Aug 2025
10	On-going	P.Aruna Department of Physics, Govt.College for Men(A),Kadapa	Spectroscopic Investigations on RE^{3+} (RE= Eu, Tb, Sm, Dy, Nd , Er & Yb) : $B_2O_3-P_2O_5-$ $WO_3-Li_2O - (ZnO/$ $CdO/TeO_2)$ Glasses for High Power NIR Solid State Lasers and Fiber Amplifiers	To be submitte d Ph.D. thesis in Oct 2028
11	On-going	S.Navaneetha Department of Physics, Govt.College for Men(A),Kadapa	Spectroscopic Investigations of RE^{3+} (RE= Eu, Tb, Sm, Dy, Pr, Tm): $CaLa_2V_2O_9$ Powder Phosphors	To be submitte d Ph.D. thesis in Oct 2029

XII: PATENT(s)

S.No	Title of the Patent	Country	Patent/ Design Number	Date of Granted
1	Device for Controlling the Stem Borer Insect in Crop Management	United Kingdom (UK)	6377539	10.07.2024

XIII: RESEARCH PROJECTS COMPLETED

S.No	Title of the Project	Duration	Funding Agency	Amount (Rs)	Status of the Project
1	Spectroscopic Investigations on RE ³⁺ (RE= Eu, Tb, Sm, Dy, Nd , Er & Yb) : B ₂ O ₃ -P ₂ O ₅ - WO ₃ -Li ₂ O - (ZnO/ CdO/TeO ₂) Glasses for High Power NIR Solid State Lasers and Fiber Amplifiers	2 Years	RUSA, A.P	1000000	On-going
2	Spectroscopic investigations of Rare-earth ions doped bismuth borate glasses for lasers, optical fibers applications	3 Years	CSIR, New Delhi	1216910	Completed
3	Photoluminescence, Optical absorption, FT-IR spectral studies of Rare- earth Ions Doped Tellurite Glasses for Lasers, Optical fibers Applications	3 Years	UGC, New Delhi	1053067	Completed
4	Spectra of Optical Materials	2 Years	UGC, Hyderabad	60000	Completed
5	Optical Properties of RE ³⁺ (RE= Eu, Tb, Sm, Dy, Nd, Er & Yb) : B ₂ O ₃ -CdO-PbO-AlF ₃ Glasses For High Power NIR Solid State Lasers And Fiber Amplifiers	3 Years	CSIR, New Delhi	2087398	Completed
6	Optical Properties Of Some Rare-Earth Ions Doped Cadmium Aluminum Fluoride Lead Borate Glasses	1 Year 6 Months	UGC, Hyderabad	130000	Completed

XIV : Ph.D. THESIS ADJUDICATED/EVALUATED

S. No	Name of the Research Scholar	Title of the Ph.D. Thesis	Name of the University	Year
1	Tresa A Joseph	Development and luminescent characterization of nano-and micro-sized TL dosimetry phosphors by low-cost synthesis route	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2023
2	Ramkrushna M. Yerojwar	Preparation and luminescence study of microcrystalline aluminates based red wave length emitting phosphor	Institute of higher learning, Research and specialized studies, Nevjabai Hitkarini College, Bramhapuri	2022
3	Karan Kumar Gupta	Ionizing radiation induced luminescence study of inorganic phosphor	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2018
4	Suyash Yashwantrao Mullemwar	Synthesis and characterization of organic luminescent phosphors for near UV-LED lighting	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2016
5	Tushar Ramdasji Shelke	Development of Fluoride and Vanadate based phosphors for thermoluminescence	Priyadarshini College Of Engineering, Nagpur	2016
6	Javaid Ahamed Wani	Luminescent properties of rare earth activated sulphate & phosphate based phosphors	Gondwana University, Gadchiroli	2015
7	Gangadhar Narayan Nikhare	Luminescence of Ce^{3+} in some sulphate and aluminate based materials	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2013
8	Prashant Mohanrao Bhujbal	Luminescence characterization of alkali halides based phosphors for ML, lyoluminescence and TL dosimetry	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2013
9	Atul N. Yerpude	Development and characterization of inorganic phosphors	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2012
10	Pradeep Shamraoji Thakare	Luminescence characterization of halo sulphate-based phosphors	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2012

XV. RESEARCH PUBLICATIONS IN SCOPUS/WEB OF SCIENCE JOURNALS

S. No	TITLE, AUTHORS AND NAME OF THE JOURNAL	Year	Impact factor	ISSN NO	First/ Corresponding /Co-author
1	EPR and Optical Spectral Studies on Mn^{2+} Ions Doped in Potassium Thiourea Bromide Single Crystals Journal of Molecular Structure 751 (2005) 161-167. B. SudhakarReddy, N.O. Gopal, K.V. Narasimhulu, Ch. Linga Raju, J.L. Rao, B.C.V. Reddy	2005	4.0	1573-4803	First author
2	Spectral analysis of Cu^{2+} : B_2O_3 -(TeO_2 /CdO/ZnO)- Li_2O - AlF_3 Glasses Indian Journal of Pure and Applied Physics 44 (2006) 887-895 B. Sudhakar Reddy, S. Buddhudu	2006	0.846	0975-1041	First author
3	Spectral analysis of Cu^{2+} and Mn^{2+} ions doped Borofluorophosphate Glasses Bulletin of Material Science 30 (2007) 481-486 B.Sudhakar Reddy, S. Buddhudu	2007	1.8	0973-7669	First author
4	Characterization of Borofluorophosphate glasses Procs. Indian National Science Academy 73 (2007) 25-32. B. Sudhakar Reddy, S. Buddhudu	2007	0.84	0369-8203	First author
5	Emission spectra of Eu^{3+} and Tb^{3+} :Borophosphate oxy fluoride glasses Indian Journal of Pure and Applied Physics 45 (2007) 496-500 B. Sudhakar Reddy, S. Buddhudu	2007	0.846	0975-1041	First author
6	Synthesis and Characterization of Diluted Magnetic Semiconducting $Zn_{1-x}Mn_xS$ Nanostructured Films Sensor Letters 6 (2008) 1-5. D. Sreekantha Reddy, M. Maheswara Reddy, Byeongwon Kang, Seong-Cho Yu, K. Narasimha Rao, K. R. Gunasekhar, B. Sudhakar Reddy, P.S. Reddy	2008	0.644	1546-1971	Co- author

7	Optical characterization of Nd ³⁺ : Fluoro-Phospho-Borate Glasses Indian Journal of Physics 82 (2008) 871-883 B. Sudhakar Reddy, S. Buddhudu	2008	2.0	0973-1458	Corresponding author
8	Structural and photoluminescence properties of Zn _{1-x} Mn _x O nano particles for Opto-electronic device application Journal of Optoelectronics and Advanced Materials 10 (2008) 2607-2610 D. Sreekantha Reddy, S.K. Sharma, Y.D. Reddy, B. Sudhakar Reddy, K.R. Gunasekhar, P.S. Reddy	2008	0.5	1841-7132	Co- author
9	Spectral analysis of Nd ³⁺ & Er ³⁺ : B ₂ O ₃ - (TeO ₂ /CdO/ZnO) - Li ₂ O - AlF ₃ glasses Journal of Optoelectronics and Advanced Materials 10 (2008) 2777-2781. B. Sudhakar Reddy, S. Buddhudu, S.R.K. Rao, P. Naresh Babu	2008	0.5	1841-7132	Corresponding author
10	Optical analysis of Er ³⁺ : Boro-Fluoro-Phosphate Glasses Spectroscopy Letters 41 (2008) 376-384 B. Sudhakar Reddy, S. Buddhudu, K.S.R. Koteswara Rao, P. Naresh babu, K. Annapurna	2008	1.7	0038-7010	First author
11	Spectral analysis of Pr ³⁺ and Tm ³⁺ : Fluoro-Phospho- Borate Glasses Journal of Optoelectronics and Advanced Materials 10 (2008) 2771-2776. B. Sudhakar Reddy, S. Buddhudu, S.R.K.Rao, P. Naresh Babu	2008	0.5	1841-7132	Corresponding author
12	NIR emission analysis of Er ³⁺ /Yb ³⁺ and Er ³⁺ / Tm ³⁺ ions doped Zinc lithium boro tellurite (ZLiBT) glasses for optical fiber amplification Advanced Materials Research 123 (2010) 19-22. B. Sudhakar Reddy, K. Vemasevana Raju, S. Sailaja, C. Nageswara Raju, D. Sreekantha Reddy	2010	0.6	1662-8985	Corresponding author

13	Optical characterization of Eu^{3+} and Tb^{3+} ions doped Zinc Lithium boro tellurite glasses Advanced Materials Research 123 (2010) 1283-1286. B. Sudhakar Reddy, K. Vemasevana Raju, S. Sailaja, C. Nageswara Raju, D. Sreekantha Reddy	2010	0.6	1662-8985	Corresponding author
14	Spectral Analysis of RE^{3+} (Sm^{3+} or Dy^{3+}): (Mg Ca) ₂ $\text{Bi}_4\text{Ti}_5\text{O}_{20}$ Ceramics Ferroelectrics Letters Section 37 (2010) 67-75 S. Sailaja, B. Sudhakar Reddy	2010	0.5	0731-5171	Corresponding author
15	Optical absorption and photoluminescence studies of Dy^{3+} : LCZSFB glasses Photonics Letters of Poland, 3 (2011) 32-34 C. Madhukar Reddy, G.R Dillip, K. Mallikarjuna, B. Sudhakar Reddy, K. Vemasevana Raju, B. Deva Prasad Raju	2011	0.6	2080-2242	Corresponding author
16	Synthesis, structural and Photoluminescence properties of RE^{3+} ($\text{RE} = \text{Pr, Tm}$):(MgCa) ₂ $\text{Bi}_4\text{Ti}_5\text{O}_{20}$ ceramics Ferroelectrics Letters Section 38 (2011) 94-100 S. Sailaja, B. Sudhakar Reddy	2011	0.5	0731-5171	Corresponding author
17	Absorption and fluorescence studies of Sm^{3+} ions in lead containing Sodium Fluoroborate glasses Journal of Luminescence 131 (2011) 1368-1375 C. M.Reddy, G.R. Dillip, K. Mallikarjuna, Sd. Zulifiqar Ali Ahamed, B. Sudhakar Reddy, B. D.P. Raju	2011	3.6	0022-2313	Co- author
18	Synthesis, the effect of rare earth ion concentration and temperature on Luminescence properties of Eu^{3+} : $\text{Ba}_3\text{Y}_2\text{WO}_9$ ceramics Journal of Luminescence 131 (2011) 1438-1442 K. Vemasevana Raju, S. Sailaja, C.	2011	3.6	0022-2313	Corresponding author

	Nageswara Raju, B. Sudhakar Reddy				
19	Synthesis and photoluminescence properties of Sm^{3+} and Dy^{3+} ions activated $\text{Ca}_2\text{Gd}_2\text{W}_3\text{O}_{14}$ phosphors Journal of Molecular Structure 1003 (2011) 115-120 S. Sailaja, S.J. Dhoble, B. Sudhakar Reddy	2011	4.0	1573-4803	Corresponding author
20	Spectroscopic studies of RE^{3+} (RE= Eu, Tb, Sm & Dy): Lithium lead boro tellurite glasses Ferroelectrics Letters Section 38 (2011) 1-10. P. Giridhar, S. Sailaja, M. Bhushana Reddy, K. Vemasevana Raju, C. Nageswara Raju, B. Sudhakar Reddy	2011	0.5	0731-5171	Corresponding author
21	Synthesis, photoluminescence and mechanoluminescence properties of Eu^{3+} Ions activated $\text{Ca}_2\text{Gd}_2\text{W}_3\text{O}_{14}$ phosphors Journal of Materials Science 46 (2011) 7793-7798 S. Sailaja, S.J. Dhoble, N. Brahme, B. Sudhakar Reddy	2011	4.5	0022-2461	Corresponding author
22	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 Journal of Luminescence 131 (2011) 2503-2508 M. Bhushana Reddy, C. Nageswara Raju, S. Sailaja, B. Vengala Rao, B. Sudhakar Reddy	2011	3.6	0022-2313	Corresponding author
23	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 Ferroelectrics Letters Section 38 (2011) 40-50 M. Bhushana Reddy, S. Sailaja, K. Vemasevana Raju, P. Giridhar, C. Nageswara Raju, B. Sudhakar Reddy	2011	0.5	0731-5171	Corresponding author
24	Synthesis and luminescence properties of $\text{Ca}_3\text{Ga}_2\text{Si}_3\text{O}_{12}:\text{RE}^{3+}$ (RE	2011	2.9	1522-7243	Corresponding author

	=Eu /Tb) powder phosphors Luminescence: The J. Biol. Chem. Lumin 26 (2011) 680-684 M. Bhushana Reddy, S. Sailaja, K. Vemasevana Raju, C. Nageswara Raju, P. Giridhar, B. Vengala Rao, B. Sudhakar Reddy				
25	Structural and luminescence properties of RE ³⁺ (RE= Eu, Tb): (MgCa) ₂ Bi ₄ Ti ₅ O ₂₀ ceramics Ceramics International 37 (2011) 1781-1787. S. Sailaja, B. Sudhakar Reddy	2011	5.2	0272-8842	Corresponding author
26	Optical Characterization of Eu ³⁺ and Tb ³⁺ Ions Doped cadmium lithium alumino fluoro borotellurite Glasses Spectrochimica Acta Part A 79 (2011) 87-91 B.Sudhakar Reddy , K. Vemasevana Raju, S. Sailaja, C. Nageswara Raju	2011	4.4	1386-1425	Corresponding author
27	Optical analysis of Sm ³⁺ and Dy ³⁺ ions doped cadmium lead boro tellurite glasses Radiation Effects and Defects in Solids 166 (2011) 233-242 P. Giridhar, S. Sailaja, M. Bhushana Reddy, K. Vemasevana Raju, C. Nageswara Raju, B. Sudhakar Reddy	2011	1.0	1042-0150.	Corresponding author
28	Synthesis and fluorescence properties of reddish-orange emitting (Y, Ga)PO ₄ : Sm ³⁺ powder phosphors Optoelectronics and Advanced Materials - Rapid communications 6 (2012) 777-781. U. Rambabu, Sang-Do Han, S. Sailaja, B. Sudhakar Reddy	2012	0.5	1842-6573	Co-author
29	Emission properties of RE ³⁺ (RE=Eu, Tb): CdO-Li ₂ O-B ₂ O ₃ -TeO ₂ glasses Ferroelectrics Letters Section 39 (2012) 117-127 K. Vemasevana Raju, C. Nageswara Raju, S. Sailaja, B. Sudhakar Reddy	2012	0.5	0731-5171	Corresponding author
30	Spectroscopic investigations of Er ³⁺ : CdO- Bi ₂ O ₃ - B ₂ O ₃ glasses	2012	2.9	1522-7243	Corresponding author

	Luminescence: The J. Biol. Chem. Lumin 27 (2012) 334-340 C. Nageswara Raju, C. Adinarayana Reddy, S. Sailaja, Hyo Jin Seo, B. Sudhakar Reddy				
31	Spectroscopic investigations of Eu^{3+} & Tb^{3+}: cadmium lead boro tellurite glasses Glass Physics and Chemistry 38 (2012) 77-84 P. Giridhar, Hyo Jin Seo, S. Sailaja, M. Bhushana Reddy, C. Nageswara Raju, B. Sudhakar Reddy	2012	0.7	1087-6596	Corresponding author
32	Emission analysis of Pr^{3+} and Tm^{3+}: $\text{Ca}_2\text{Gd}_2\text{W}_3\text{O}_{14}$ phosphors Physica B: Condensed Matter, 407 (2012) 103-107 S. Sailaja, S.J. Dhoble, C. Nageswara Raju, B. Sudhakar Reddy	2012	2.8	0921-4526	Corresponding author
33	Judd-Ofelt theory: Optical absorption and NIR emission spectral studies of Nd^{3+}: $\text{CdO} - \text{Bi}_2\text{O}_3 - \text{B}_2\text{O}_3$ glasses for laser applications Journal of Materials Science 47 (2012) 772-778. C. Nageswara Raju, C. Adinarayana Reddy, S. Sailaja, Hyo Jin Seo, B. Sudhakar Reddy	2012	4.5	0022-2461	Corresponding author
34	Effect of concentration on the photoluminescence properties of Sm^{3+} & Dy^{3+}: Cadmium lithium boro tellurite glasses Journal of Nanoscience and Nanotechnology 12 (2012) 1662-1666. K. Vemasevana Raju, S. Sailaja, M. Bhushana Reddy, P. Giridhar, C. Nageswara Raju, B. Sudhakar Reddy	2012	1.354	1533-4880	Corresponding author
35	FT-IR, FT-Raman and fluorescence studies of Tb^{3+} ions activated lead containing sodium fluoroborate glasses Journal of Molecular Structure 1019 (2012) 166-173. C. Madhukar Reddy, B. Sudhakar	2012	4.0	0022-2860	Co-author

	Reddy, G.R. Dilip, K. Mallikarjuna, B. Deva Prasad Raju				
36	Synthesis, structural, photoluminescence and mechanoluminescence properties of Tb ³⁺ : Ca ₂ Gd ₂ W ₃ O ₁₄ novel green nanophosphors Journal of Materials Science 47 (2012) 2359-2364 S. Sailaja, S.J. Dhoble, Nameeta Brahme, B. Sudhakar Reddy	2012	4.5	0022-2461	Corresponding author
37	Emission analysis of RE ³⁺ (RE = Sm, Dy): B ₂ O ₃ -TeO ₂ -Li ₂ O-AlF ₃ glasses Luminescence: The J. Biol. Chem. Lumin 28 (2013) 162-168 C. Nageswara Raju, S. Sailaja, S. Pavan kumari, S.J. Dhoble, V. Ramesh Kumar, M.V. Ramanaiah, B. Sudhakar Reddy	2012	2.9	1522-7243	Corresponding author
38	Influence of Bi ³⁺ as a sensitizer and SiO ₂ shell coating as a protecting layer towards the enhancement of red emission in LnVO ₄ : Bi ³⁺ , Eu ³⁺ @ SiO ₂ (Ln=Gd, Y and Gd/Y) powder phosphors for optical display devices Ceramics International 39 (2013) 4801-4811 U. Rambabu, N.R. Munirathnam, S. Chatterjee, B. Sudhakar Reddy , Sang-Do Han	2013	5.2	0272-8842	Co- author
39	Electron Spin Resonance studies of Gd ³⁺ ions in calcium tungsten and calcium tungsten copper phosphors: A comparative study Proceedings of Indian National Science Academy 2 (2013) 153-158 G. Siva Ramaiah, S. Sailaja, J. Lakshmi Rao, B. Sudhakar Reddy	2013	0.9	2254-9983	Co- author
40	Optical properties of Sm ³⁺ -doped Cadmium Bismuth Borate glasses Journal of Molecular Structure 1038 (2013) 29-34 S. Sailaja, C. Nageswara Raju, C. Adinarayana Reddy, B. Deva Prasad Raju, Young-Dahl Jho, B. Sudhakar	2013	4.0	0022-2860	Corresponding author

	Reddy				
41	Judd-Ofelt analysis and Photoluminescence properties of RE ³⁺ (RE= Er & Nd): Cadmium lithium boro tellurite glasses Solid State Sciences 15 (2013) 102-109 K. Vemasevana Raju, C. Nageswara Raju, S. Sailaja, B. Sudhakar Reddy	2013	3.5	1293-2558	Corresponding author
42	Emission analysis of Sm ³⁺ and Dy ³⁺ : Ba ₃ Y ₂ WO ₉ ceramics Journal of Luminescence 134 (2013) 297-302 K. Vemasevana Raju, C. Nageswara Raju, S. Sailaja, S.J. Dhoble, B. Sudhakar Reddy	2013	3.6	0022-2313	Corresponding author
43	Effects of host composition, Al ³⁺ as a sensitizer and SiO ₂ surface coating on luminescence intensity, color purity of MVO ₄ : Al ³⁺ , Eu ³⁺ @ SiO ₂ (M = Gd, Y and Gd/Y) red phosphors Materials Chemistry and Physics 142 (2013) 459-468 U.Rambabu, N.R. Munirathnam, D.P. Amalnerkar, T.L. Prakash, B. Sudhakar Reddy , S. Chetterjee	2013	4.6	0254-0584	Co-author
44	Optical analysis of Dy ³⁺ : CdO-Bi ₂ O ₃ -B ₂ O ₃ glasses Ferroelectrics Letters Section 40 (2013)30-40. S. Sailaja, C. Nageswara Raju, C. Adinarayana Reddy, S. Hemasundara Raju, U. Rambabu, B. Sudhakar Reddy	2013	0.5	0731-5171	Corresponding author
45	Luminescence properties of barium gadolinium titanate ceramics doped with rare earth ions (Eu ³⁺ and Tb ³⁺) Luminescence: The J. Biol. Chem.Lumin : 29 (2014) 861-867 S. Hemasundara Raju, B. Muni Sudhakar, B. Sudhakar Reddy , S.J.Dhoble, K. Thyagarajan,C.N. Raju	2013	2.9	1522-7243	Co-author
46	Judd-Ofelt analysis and spectral properties of Dy ³⁺ ions doped niobium containing tellurium calcium zinc borate glasses	2014	2.4	0030-4018	Co-author

	Optics Communications 312 (2014) 263 –268 O. Ravi, C. Madhukar Reddy, B. SudhakarReddy, B Deva Prasad Raju				
47	Emission analysis of CdO-Bi ₂ O ₃ -B ₂ O ₃ glasses doped with Eu ³⁺ and Tb ³⁺ Ceramics International 40 (2014) 7701-7709 C. Nageswara Raju, S. Sailaja, S. Hemasundara Raju, S.J. Dhoble, .U. Rambabu, Young-Dahl Jho, B. Sudhakar Reddy	2014	5.2	0272-8842	Corresponding author
48	Synthesis, Photoluminescence and Thermoluminescence properties of Sm ³⁺ and Dy ³⁺ ions doped barium Gadolinium Titanate Ceramics Ferroelectrics Letters Section 41 (2014) 9-19. S. Hemasundara Raju, B. Muni Sudhakar, B. Sudhakar Reddy, S.J. Dhoble, K. Thyagarajan, C. Nageswara Raju	2014	0.5	0731-5171	Co-author
49	Optical absorption and NIR emission spectral studies of Er ³⁺ and Nd ³⁺ : Zinc lithium bismuth borate glasses Journal of Optics, 43 (2014) 101-107 M. Bhusana Reddy, S. Sailaja, C. Nageswara Raju, B. Sudhakar Reddy	2014	1.8	0972-8821	Corresponding author
50	Blue, yellow and orange color emitting rare earth doped BaCa ₂ Al ₈ O ₁₅ phosphors prepared by combustion method Physica B: Condensed Matter, 454 (2014) 126-130 A.N. Yerpude, S.J. Dhoble, B. Sudhakar Reddy	2014	2.8	0921-4526	Corresponding author
51	Synthesis Process and Luminescence Properties of Pr ³⁺ : BaGd ₂ Ti ₄ O ₁₂ Ceramics Materials Today: Proceedings 2 (2015) 4463-4467 S.H. Raju, K. Thyagarajan, B. Sudhakar Reddy, C.N. Raju	2015	0.5	2214 - 7853	Co-author

52	Optical properties of Nd ³⁺ -doped and Er ³⁺ -Yb ³⁺ -co-doped borotellurite glass for use in NIR lasers and fiber amplifiers. Ceramics International, 41 (2015) 3684-3692 B. Sudhakar Reddy, Hyeong-Yong Hwang, Young-Dahl Jho, Byoung Seung Ham, S. Sailaja, C. Madhukar Reddy, B. Vengala Rao, S.J. Dhoble	2015	5.2	0272-8842	Corresponding author
53	Emission analysis of RE ³⁺ (RE=Eu, Sm, Dy):MgY ₄ Si ₃ O ₁₃ phosphors. Physica B: Condensed Matter 463 (2015) 39-47 B. Sudhakar Reddy, M.R. Kadurkar, H.Y. Hwang, B.S. Ham, S.Sailaja, U.Rambabu, S.J. Dhoble, Y.D. Jho.	2015	2.8	0921-4526	Corresponding author
54	A promising RVO ₄ : Eu ³⁺ , Li ⁺ @ SiO ₂ (R= Gd, Y and Gd/Y) red-emitting phosphor with improved luminescence (cd/m ²) and colour purity for optical display applications Luminescence: The J. Biol. Chem.Lumin : 31 (2016) 141-151 U. Rambabu, N.R. Munirathnam, B. Sudhakar Reddy, S. Chatterjee	2015	2.9	1522-7243	Co-author
55	Luminescence studies on BaSi ₆ N ₈ O: Eu ³⁺ phosphors Ferroelectric Letters section 43 (2016) 34-51 S.A. Fartode, B. Sudhakar Reddy, V. Nayar, S.J. Dhoble	2016	0.5	0731-5171	Corresponding author
56	Optical analysis of RE ³⁺ (RE = Pr ³⁺ , Er ³⁺ and Nd ³⁺): Cadmium lead boro tellurite glasses Luminescence: The J. Biol. Chem.Lumin: 31 (2016) 1237-1241 P. Giridhar, M. Bhusan Reddy, G. Neelima, R. Ramanaiah, K. Nagamuni Reddy, V. Sahadeva Reddy, B. Sudhakar Reddy	2016	2.9	1522-7243	Corresponding author
57	Luminescence analysis of SrGa ₂ Si ₂ O ₈ : RE ³⁺ (RE= Dy, Tm) phosphors Luminescence: The J. Biol.	2016	2.9	1522-7243	Corresponding author

	Chem.Lumin : (2016) M.R. Kadukar, S.J. Dhoble, A.K. Sahu, V.Nayar,S. Sailaja, B. Sudhakar Reddy				
58	Thermoluminescence and kinetic study of low z LiAlO ₂ :Dy/Eu phosphors Ferroelectric Letters 14(1-3) (2016) 1-10 Monali R. Kadukar, P. W. Yawalkar, S. P. Lochab, S. J. Dhoble, B. Sudhakar Reddy	2017	0.5	ISSN: 0731 - 5171	Corresponding author
58	Optical characterization of zinc lithium bismuth borate glasses doped with Tb ³⁺ for novel applications AIP Conference Proceedings 1832, (2017) 070004 K. Mallikarjuna, M. Bhushana Reddy, G. Moulika, B. Naveen Kumar Reddy, R. Ramanaiah, S. J. Dhoble, B.Sudhakar Reddy	2017	0.5	0094-243X	Corresponding author
60	Optical characterization of Eu ³⁺ ion doped alkali oxide modified borosilicate glasses for red laser and display device applications Ceramics International, 43 (2017) 8886-8892 B.Naveen Kumar Reddy, B.Devaprasad Raju,K.Thyagarajan,R.Ramanaiah ,Young-Dahl Jho, B.Sudhakar Reddy	2017	5.2	ISSN: 0272-8842	Corresponding author
61	Emission analysis of Tb ³⁺ - and Sm ³⁺ - ion doped (Li ₂ O /Na ₂ O /K ₂ O) and (Li ₂ O+Na ₂ O/ Li ₂ O+ K ₂ O/ K ₂ O+ Na ₂ O) - modified borosilicate glasses Luminescence: The J. Biol. Chem.Lumin : (2017) B.Naveen Kumar Reddy, B.Devaprasad Raju, K.Thyagarajan, R.Ramanaiah ,Young-Dahl Jho, B.Sudhakar Reddy	2017	2.9	ISSN: 1522-7243	Corresponding author
62	Optical analysis of RE ³⁺ (RE=Eu, Tb): CdO-PbO-B ₂ O ₃ -AlF ₃ glasses Optik - International Journal for Light and Electron Optics (2018) B.Suneetha,S.Sailaja, S.J.Dhoble, B.Sudhakar Reddy	2018	3.1	0030-4026	Corresponding author

63	Spectroscopic properties of Tb ³⁺ doped alkali and mixed alkali borosilicate glasses Ferroelectrics 531 (2018) 51-61 B.Naveen Kumar Reddy, S.Sailaja, K.Thyagarajan, M.V. Ramanaiah, B.Sudhakar Reddy	2018	0.8	0015-0193	Corresponding author
64	Optical properties of Eu ³⁺ & Tb ³⁺ ions doped alkali oxide (Li ₂ O/ Na ₂ O/ K ₂ O) modified boro phosphate glasses for red, green lasers and display device applications Physica B: Condensed Matter, 535 (2018) 2-7 G. Moulika, S. Sailaja, B. Naveen Kumar Reddy, V.Sahadeva Reddy, S.J. Dhoble, B.Sudhakar Reddy	2018	2.8	0921-4526	Corresponding author
65	Optical Analysis of RE ³⁺ (RE= Nd or Er): B ₂ O ₃ -P ₂ O ₅ -CaF ₂ -ZnO- Li ₂ O/Na ₂ O/K ₂ O) Glasses G.Moulika, S.Sailaja, J.Santhoshi Vijetha, P.Bayapu Reddy, K.Shanthi Latha, G.Venkata Chalapathi, B. Sudhakar Reddy Luminescence: The J. Biol. Chem.Lumin : (2022)	2022	2.9	1522-7243	Corresponding author
66	Optical analysis of RE ³⁺ (Sm or Dy): B ₂ O ₃ -P ₂ O ₅ -CaF ₂ - ZnO - (Li ₂ O/ Na ₂ O/ K ₂ O) glasses G.Moulika, S.Sailaja, J.Santhoshi Vijetha, S.Hajira, B. Naveen Kumar Reddy, C.Nageswara Raju, B. Sudhakar Reddy Ferroelectrics 614(1) (2023) 13-23	2023	0.8	0015-0193	Corresponding author
67	Alkali and Mixed alkali Effect: Spectroscopic properties of Eu ³⁺ and Tb ³⁺ ions doped zinc tungstate boro phosphate glasses. J.Santhoshi Vijetha, S.Hajira, S.J.Dhoble, G.Venkata Ramana, B. Sudhakar Reddy Ferroelectrics 615(1) (2023) 95-114	2023	0.8	0015-0193	Corresponding author
68	Optical analysis of RE ³⁺ (RE=Eu,Tb):MgLa ₂ V ₂ O ₉ nano phosphors	2023	2.9	1522-7243	Corresponding author

	S. Hajira, J. Santhosh Vijitha, S.J.Dhoble, B.Deva Prasad Raju, B.Sudhakar Reddy Luminescence: The J. Biol. Chem.Lumin : 39 (2024) e4612				
69	Optical analysis of RE ³⁺ (RE = Sm, Dy): MgLa ₂ V ₂ O ₉ phosphors S Hajira, J Santhosh Vijitha, SR Hari, KAJ Basha, V Adinarayana, B.Sudhakar Reddy Ferroelectrics Letters Section 51 (1-3), 45-61	2023	0.8	1522-7243	Corresponding author
70	Alkali and mixed alkali effect: Spectral investigations on Sm ³⁺ and Dy ³⁺ ions doped zinc tungstate borophosphate glasses J Santhosh Vijitha, S Hajira, V.Saleem Basha, M.V. Ramanaiah, M.Bhushana Reddy, B.Sudhakar Reddy. Ferroelectrics 618 (3), 620-645	2023	0.8	0015-0193	Corresponding author

XVI.BOOK(S)/ BOOKCHAPTER(S) PUBLISHED IN NATIONAL/ INTERNATIONAL PUBLISHERS

S.No	Title of the Book(s)/Book Chapter(s)	Publisher(s) Details	Level	ISBN No	Author/Co-author
1	Optical analysis of RE ³⁺ : Boro-Fluoro-Phosphate Glasses (Solid State Phenomena) B. Sudhakar Reddy, S. Buddhudu 161 (2010) 13-41	Scientific. Net, Trans Tech Publication s Ltd., Switzerland	International	978-3-03813-372-8	Corresponding author
2	Study of RE ion-doped oxide glass materials for photonic applications (Spectroscopy of Lanthanide Doped Oxide Materials)	Elsevier	International	978-0-08-102935-0	Corresponding author

	B. Naveen Kumar Reddya , S. Sailaja , K. Thyagarajan , B. Sudhakar Reddy (2019) 293-304				
3	Optical analysis of RE ³⁺ (RE= Eu ³⁺ , Tb ³⁺ , Sm ³⁺ & Dy ³⁺): Ca ₂ Gd ₂ W ₃ O ₁₄ phosphors (Phosphors: Synthesis and Applications) S. Sailaja, S. J. Dhoble, B.Sudhakar Reddy (2018) 183-218	Pan Stanford Publishing Pte, Ltd., 8 Temasek Boulevard, Singapore.	International	978-981-4774-49-9	Corresponding author
4	Electrical Appliances B.Sudhakar Reddy, A.S.Garg (2021) 1-168	Pragathi Prakashan Publishers, Meerut, India	National	9390949 40-8	Author

XVII. FULL LENGTH PAPERS PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCES PROCEEDINGS

S.No	Title of the Conference Proceedings	Organiser (s)/Publisher (s) Details	Title of the Full length Paper	Corresponding Author/Co-author
1	Proceedings of international conference on Smart Materials and Advanced Applications-2024(ICSMA-2024) 22 and 23 August 2024	KY Publications, Guntur.	NIR emission analysis of Er ³⁺ and Nd ³⁺ ions doped zinc lithium tungstate boro phosphate glasses	Corresponding Author
2	5 th International conference on Luminescence and it's applications (ICLA-2015)9-12 Feb 2015	PES Institute of Technology, Bangalore	Dy ³⁺ /Tm ³⁺ Activated SrGd ₂ Si ₂ O ₈ Phosphor for Solid State Lighting	Corresponding Author

3	International Conference on Nano Science & Engineering Applications (ICONSEA-2014)	Department of Physics, Jawaharlal Nehru Technological University, Hyderabad.	Synthesis Process and Luminescence Properties of Pr^{3+} : $\text{BaGd}_2\text{Ti}_4\text{O}_{12}$ Ceramics	Corresponding Author
4	International Conference on Luminescence and its applications (ICLA-2012) 7-10 February 2012	Indian Institute of Chemical Technology, Hyderabad	Photoluminescence Properties of Ce activated ZnWO_4 Phosphors	Corresponding Author
5	International Conference on Luminescence and its applications (ICLA-2012) 7-10 February 2012	Indian Institute of Chemical Technology, Hyderabad	Optical properties of Sm^{3+} and Dy^{3+} : $\text{CdO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glass	Corresponding Author
6	International Conference on Contemporary Trends in Optics and Opto Electronics	Indian Institute of Space Science and Technology (IIST), Trivendrum	Optical absorption and emission spectra of Cu^{2+} , Mn^{2+} and Ni^{2+} : Cadmium lead boro tellurite glasses	Corresponding Author
7	International Conference on Contemporary Trends in Optics and Opto Electronics	Indian Institute of Space Science and Technology (IIST), Trivendrum	Optical absorption and NIR emission spectral studies of Er^{3+} and Nd^{3+} : Zinc lithium bismuth borate glasses	Corresponding Author
8	Proceedings of the UGC Sponsored National Conference on Recent Trends in Material Science 01-02 March ,2015	Department of Physics S.V Degree College Kadapa.	Luminescence Properties of Tm^{3+} Ions Doped Barium Gadolinium Titanate Ceramics.	Corresponding Author

9	National Conference on Recent Developments in Material Science and Technology (RDMST-2014) 11 th October 2014	Department of Physics, Arts, Commerce & Science College, Koradi	Photoluminescence Mechano Luminescence Study of SrGd ₂ Si ₂ O ₈ :Eu ³⁺ Phosphors	Corresponding Author
10	53 rd DAE Solid State Physics Symposium, 16-20 December 2008	DAE-BRNS and TRFR, Mumbai, India	Optical analysis of Pr ³⁺ : Fluoro-Phospho-Borate Glasses	Corresponding Author
11	52 nd DAE Solid State Physics Symposium 27-31 December 2007.	Department of Physics, University of Mysore, Mysore.	Emission analysis of certain Transition Metal (Cu ²⁺ , Mn ²⁺) & Rare-Earth Ions (Eu ³⁺ , Tb ³⁺ , Nd ³⁺ , Er ³⁺ , Pr ³⁺ , Tm ³⁺) Doped Boro-Fluoro-Phosphate Glasses.	Corresponding Author
12	National Conference on Recent Advances in Vibrational Spectroscopy (NCPS-2007) 29-30 January, 2007	Department of Physics, Periyar University, Salem, India.	Optical characterization of Boro fluoro phosphate glasses	Corresponding Author
13	51 st DAE Solid State Physics Symposium 26-30 December 2006.	Department of Physics, Barkatullah University, Bhopal.	Optical properties of Cu ²⁺ ions doped Borofluorophosphate Glasses.	Corresponding Author

**XVIII. PAPERS PRESENTED IN NATIONAL/INTERNATIONAL
CONFERENCES /SEMINARS /SIMPOSIUMS**

(i) LIST OF INVITED TALKS DELIVERED				
S. No	Title of Conference / Seminar/ Symposia	Organized by	Title of the Talk	Year
1	National conference on Luminescence and Its Applications (NCLA-2016) 18-20 February 2016	Department of Physics, RTM Nagpur University, Nagpur, India	Optical analysis of RE ³⁺ (RE= Eu, Tb, Sm, Dy, Nd, &Er): Zinc Lithium Bismuth Borate Glasses for Laser and optical fiber applications	2016
2	Advanced Materials World Congress 2015 23-26 August 2015	Physics, M/s Marielle, Viking Line Cruise, Stockholm, Sweden	Emission analysis of the Eu ³⁺ ions doped strontium yttrium tungstate powder ceramics	2015
3	UGC Sponsored National Seminar on Advances in Material Science and Nanotechnology 5 April 2015	Department of Physics, S.B.V.R. Degree College, Badvel, Kadapa	Optical Properties of Tm ³⁺ & Ho ³⁺ : Sr ₂ Y ₂ WO ₉ Phosphors	2015
4	National Conference on Luminescence and its Applications" (NCLA-2014)	Department of Physics and Electronics, Rani Durgavati University, Jabalpur M.P. India	Emission analysis of RE ³⁺ (RE=Eu ³⁺ , Tb ³⁺ , Sm ³⁺ , Dy ³⁺ , Pr ³⁺ & Tm ³⁺): Ca ₂ Gd ₂ W ₃ O ₁₄ phosphors	2014
5	National Conference on Recent Developments in Material Science and Technology(RDMST-2014) 11 th October 2014	Department of Physics Arts, Commerce & Science College, Koradi	Emission analysis of RE ³⁺ (RE=Eu, Tb, Sm, Dy, Pr & Tm): (Mg Ca) ₂ Bi ₄ Ti ₅ O ₂₀ Ceramics	2014
6	National Conference on Recent Advances in Material Science (NCARM-2014) 1-2 November 2014	Department of Physics Loyola Degree College Pulivendla	Optical analysis of Tb ³⁺ : PbO-CdO-AlF ₃ -B ₂ O ₃ Glasses	2014
7	National Seminar On Materials Preparation and Characterization	Department of Physics, RTM Nagpur University, Nagpur	Emission Properties of Glasses	2011
8	National Conference on Advances in Nano Materials, Devices and Technologies	Department of Physics, S.V.Degree College, Kadapa	Spectroscopic properties of Tb ³⁺ : Ca ₃ Al(SiO ₄) ₃ ion Nano phosphors	2009

(ii) INTERNATIONAL LEVEL				
S. No	Title of Conference / Seminar	Organized by	Title of the Paper	Year
9	International Conference on Science Technology and Applications of Rare Earths	Rare-Earth Association of India & The Indian Institute of Metals Trivendrum	Optical analysis of Er^{3+} and Nd^{3+} ions doped zinc tungstate boro phosphate glasses	2024
10	International Conference on Science Technology and Applications of Rare Earths	Rare-Earth Association of India & The Indian Institute of Metals Trivendrum	Spectroscopic Properties Of Er^{3+} & Nd^{3+} Ions Doped Cadmium Aluminium Fluoro Lead Borate Glasses	2024
11	International Conference on Smart Materials and Advanced Applications	Department of Physics and Chemistry, Govt.Degree College, Mandapeta	NIR Emission analysis of Er^{3+} & Nd^{3+} Ions doped Zinc Lithium Tungstate Borophosphate Glasses	2024
10	International Conference on Advances in Physical, Chemical & Mathematical Sciences	Department of Physics, Chemistry, Maths, Statistics, Computer Science & Laxminarayana Institute of Technology, RTM Nagpur University, Nagpur, India	Optical Properties of Glasses	2020
12	International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2018)	Rare Earths Association of India & Indian Institute of Mineral Engineers, Tamil nadu, Tirupati, India.	Optical analysis of Eu^{3+} and Tb^{3+} ions doped Cadmium Lead boro aluminum flouride glasses	2018
13	Seventh South African Conference on Photonic Materials	Department of Physics of University of Free State, University of Pretoria and Nelson Mandela Matropolitan university, South Africa	Preparation and characterization of Eu^{3+} and Tb^{3+} ions doped alkali oxide ($\text{Li}_2\text{O}/\text{Na}_2\text{O}/\text{K}_2\text{O}$) modified glasses for red and green laser and display device applications.	2017
14	Fourth International conference on Nanostructure Materials and	Mahatma Gandhi University, Kottayam, Kerela, India.	Structural, Elemental and Optical Properties of RE^{3+} ($\text{RE}=\text{Eu}^{3+}, \text{Tb}^{3+}, \text{Sm}^{3+}, \text{Dy}^{3+}$): $\text{Ca}_2\text{Gd}_2\text{W}_3\text{O}_{14}$ Phosphors	2017

	Nanocomposites (ICNM-2017)			
15	Second International Conference on Materials Science and Technology (ICMST 2016) 5-8 June 2016.	Department of Physics, ST. Thomson College, Palai, Arunapuram P.O, Kottayam, India	Optical analysis of Eu^{3+} and Tb^{3+} : 74.5 B_2O_3 - 10 SiO_2 - 10 (K_2CO_3 / Li_2CO_3 / Na_2CO_3) - 5 MgCO_3 glasses'	2016
16	International Conference on Nanomaterials and Nanotechnology (NANO 2015) 7-10 Dec 2015	K.S. Rangaswamy college of Technology, Tiruchengode, India	Study of photoluminescence properties of $\text{KBaPO}_4:\text{Dy}^{3+}$ phosphors for solid state lighting	2015
17	International Conference on Nanomaterials and Nanotechnology (NANO-2015) 7-10 December 2015	K.S. Rangaswamy college of Technology, Tiruchengode, India	Luminescence properties of europium, terbium, samarium dysprosium ions doped phosphor based glasses	2015
18	International Conference on Nanomaterials and Nanotechnology (NANO-2015) 7-10 Dec 2015	K.S. Rangaswamy college of Technology, Tiruchengode, India	Optical properties of Mn^{2+} ion doped cadmium aluminum fluoride lead borate glass	2015
19	5 th International Conference on Luminescence and its applications (ICLA-2015) 9-12 February 2015	PES Institute of Technology, Bangalore	$\text{Dy}^{3+}/\text{Tm}^{3+}$ Activated $\text{SrGd}_2\text{Si}_2\text{O}_8$ Phosphor for Solid State Lighting	2015
20	International Seminar on Glasses and Other Functional Materials 11-13 December 2014	Department of Physics Acharya Nagarjuna University, Guntur	Optical characterization of Cu^{2+} : $\text{PbO-CdO-AlF}_3\text{-B}_2\text{O}_3$ Glasses	2015
21	International Conference on Nano Science & Engineering Applications (ICONSEA-2014)	Department of Physics, Jawaharlal Nehru Technological University, Hyderabad	Synthesis Process and Luminescence Properties of Pr^{3+} : $\text{BaGd}_2\text{Ti}_4\text{O}_{12}$ Ceramics	2014
22	International Conference on Luminescence and its applications (ICLA-2012) February 7-10, 2012.	Indian Institute of Chemical Technology, Hyderabad	Photoluminescence properties of Ce activated ZnWO_4 Phosphors	2012
23	International	Indian Institute of	Optical properties of	2012

	Conference on Luminescence and its applications (ICLA-2012) February 7-10, 2012.	Chemical Technology, Hyderabad	Sm ³⁺ and Dy ³⁺ : CdO-Bi ₂ O ₃ -B ₂ O ₃ glasses	
24	International Conference on Contemporary Trends in Optics and Opto electronics	Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram	Optical absorption and emission spectra of Cu ²⁺ , Mn ²⁺ and Ni ²⁺ : Cadmium lead boro tellurite glasses	2011
25	International Conference on Contemporary Trends in Optics and Opto Electronics	Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram	Optical absorption and NIR emission spectral studies of Er ³⁺ and Nd ³⁺ : Zinc lithium bismuth borate glasses	2011
26	International Conference on Electronic Materials (ICEM-2010) August 22-27, 2010	IUMRS KINTEX, Seoul, South Korea,	Optical characterization of Eu ³⁺ & Tb ³⁺ : TeO ₂ -B ₂ O ₃ -PbO-CdO glasses	2010
27	International Conference on Electronic Materials August 22-27, 2010	IUMRS KINTEX, Seoul, South Korea	Effect of concentration on the photoluminescence properties of Sm ³⁺ & Dy ³⁺ : CLiBT glasses	2010
28	International Workshop & Symposium on Synthesis and Characterization of Glass / Glass-ceramics (IWSSCGGC-2010) July 7-10, 2010.	Centre for Materials for Electronics Technology, Pune,	Optical characterization of Eu ³⁺ & Tb ³⁺ : TeO ₂ -B ₂ O ₃ -PbO-ZnO glasses	2010
(iii) NATIONAL LEVEL				
S. No	Title of Conference / Seminar	Organized by	Title of the Paper	Year
29	National Conference on Novel Materials for Sustainable Development	Department of Physics, Govt. Degree College, Porumamilla	Optical Properties of Er ³⁺ & Nd ³⁺ ions doped Zinc tungstate Borophosphate glasses	2024
30	National Conference on Novel Materials for Sustainable Development	Department of Physics, Govt. Degree College, Porumamilla	Optical analysis of Er ³⁺ & Nd ³⁺ ions doped Cadmium Aluminium Fluoro Lead Borate glasses	2024

31	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Optical analysis of Sm^{3+} , Dy^{3+} Ions Doped Magnesium Lanthanum Vanadate Phosphors	2022
32	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Optical analysis of Eu^{3+} , Tb^{3+} Ions Doped Magnesium Lanthanum Vanadate Phosphors	2022
33	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Optical properties of Eu^{3+} , Tb^{3+} ions doped tellurite based glasses	2022
34	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Optical analysis of Sm^{3+} & Dy^{3+} ions doped tellurite based glasses	2022
35	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Physical and Optical Properties of Er^{3+} Doped Bismuth Borate Glasses for laser and optical amplifier applications	2022
36	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Emission analysis of Sm^{3+} , Dy^{3+} Ions Doped Magnesium Calcium Vanadate Phosphors	2022
37	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Emission analysis of Eu^{3+} , Tb^{3+} Ions Doped Magnesium Lanthanum Vanadate Phosphors	2022
38	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Spectral analysis of Eu^{3+} and Tb^{3+} - ions doped $\text{MgLa}_2\text{V}_2\text{O}_9$ phosphors	2022
39	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Optical Properties of Sm^{3+} and Dy^{3+} - ions doped $\text{MgLa}_2\text{V}_2\text{O}_9$ phosphors	2022
40	National Conference on Recent Trends in Materials Science(RTMS-2022)	Department of Physics, Govt.College for Men(A), Kadapa	Spectroscopic Properties of Eu^{3+} , Tb^{3+} Ions Doped Boro Phospho Tellurite Glasses	2022
41	National Conference on Science, Technology And Applications Of Rare Earths (STAR-2022)	Department of Physics, S.V.University, Tirupati	Optical properties of Europium, Terbium ions doped Zinc Tungstate boro phosphate	2022

			Glasses.	
42	National Conference on Science, Technology And Applications Of Rare Earths (STAR-2022)	Department of Physics, S.V.University, Tirupati	Optical properties of samarium, dysprosium ions doped zinc tungstate boro phosphate glasses	2022
43	National Conference on Recent Trends in Advanced Materials and Characterization (RTAMC-2020)	Department of Physics, VSM College (Autonomus) Ramachandrapuram, East Godavari District, Andhra Pradesh	Optical Properties of Trivalent Thulium ions Doped Silicate Based Powder phosphors	2020
44	National Seminar on Emerging Trends and Advances in Multi Functional Materials (NSETAFM-2019)	Department of Physics, University College of Sciences, Acharya Nagarjuna University, Nagarjuna Sagar, Guntur, A.P.	Optical analysis of Mn^{2+} Ions Doped Cadmium Lithium Boro Tellurite Glasses	2019
45	National Seminar on Recent Trends in Physics and Electronics	Department of Physics and Electronics, Rayalaseema University, Kurnool, Andhra Pradesh	Spectroscopic properties of Dy^{3+} -doped alkali and mixed alkali borosilicate glasses	2017
46	National Seminar Advanced Trends in Material Science	Department of Physics Government College for Men (A), Kadapa, Andhra Pradesh	Optical analysis of Eu^{3+} ions doped alkali oxide modified borosilicate glasses for red laser and display device applications	2017
47	National Workshop on Emerging Trends in Academics and Research (NWETAR-2017)	Yogi Vemanna University, Kadapa, Andhra Pradesh	Structural, Elemental and Optical Properties of RE^{3+} ($RE=Sm^{3+}, Dy^{3+}$): Strontium Yttrium Silicate Powder Phosphors	2017
48	National Conference on Luminescence and its Applications (NCLA-2016)	Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India	Optical Properties of Ho^{3+} ions doped calcium gadolinium titanate ceramics	2016
49	National Seminar on New Trends on Advanced	Department of Physics	Optical analysis Tb^{3+} : Magnesium Yttrium	2015

	Materials (NATM-2015)	Government College for Men (A), Kadapa, Andhra Pradesh	Silicate Phosphor	
50	National Seminar on Recent Trends In Physics (RTP 2015) 29 th March 2015	Department of Physics Y.V.University, Kadapa	Photoluminescence properties of Er^{3+} : magnesium yttrium silicate phosphors	2015
51	National Seminar on Advances in Materials Science (NSAMS-15) 25-26 November 2015	Department of Electronics and Instrumentation Technology, Acharya Nagarjuna University, Guntur	Optical analysis of Mn^{2+} ions doped cadmium lithium boro tellurite glasses	2015
52	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 Mar 2015	Department of Physics S.V.Degree College Kadapa	Luminescence Properties Of Tm^{3+} Ions Doped Barium Gadolinium Titanate Ceramics	2015
53	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	A review on RE^{3+} ($\text{RE} = \text{Sm, Dy, Eu, Tb and Nd}$) ions doped LCZSFB glasses for fluorescence and high gain laser applications	2015
54	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Luminescence Properties of Ho^{3+} Ions Doped Barium Gadolinium Titanate Ceramics	2015
55	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Monolayer thickness effect on the physical properties of ZnS Thinfilms	
56	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Ferromagnetic characteristics of $\text{Zn}_{1-x}\text{Mn}_x\text{Sn}$ nanocrystalline films	2015
57	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Physical characteristics of $\text{Ti}_{1-x}\text{Ni}_x\text{O}_2$ nano-crystalline films	2015
58	National Conference on Recent Trends In Materials	Department of Physics	Mechanoluminescence in $\text{SrGa}_2\text{SiO}_8:\text{Dy}$	2015

	Science (RTMS-2015) 1-2 March 2015	S.V.Degree College Kadapa	phosphor	
59	National Conference on "Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Spectral analysis of Mn^{2+} : $B_2O_3 - CdO - PbO - AlF_3$ glass	2015
60	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Optical analysis of Mn^{2+} : $B_2O_3 - CdO - LiF - TeO_2$ glasses	2015
61	National Conference on "Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Optical characterization of Cu^{2+} : $B_2O_3 - CdO - LiF - TeO_2$ glasses	2015
62	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V.Degree College Kadapa	Emission analysis of Pr^{3+} ions doped $Ba_3Y_2WO_9$ powder ceramics	2015
63	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics, S.V.Degree College, Kadapa	Optical analysis of Tm^{3+} & Ho^{3+} : $Ba_3Y_2WO_9$ ceramics	2015
64	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics, S.V.Degree College, Kadapa	Emission analysis of Tb^{3+} : Strontium yttrium tungstate powder ceramics	2015
65	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics, S.V.Degree College, Kadapa	Optical characterization of RE^{3+} ($RE=Eu, Tb$) : Borophosphate based glasses	2015
66	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics, S.V.Degree College, Kadapa	Emission analysis of Tb^{3+} : Magnesium yttrium silicate powder phosphors	2015
67	National Seminar on New Trends on Advanced Materials (NTAM-2015) 27 February 2015	Department of Physics Govt. College for Men, Kadapa	Optical analysis of Tb^{3+} : Magnesium yttrium silicate phosphors	2015
68	UGC Sponsored National Seminar on Advances in	Department of Physics, S.B.V.R.	Optical Properties of Tm^{3+} & Ho^{3+} : $Sr_2Y_2WO_9$	2015

	Material Science and Nanotechnology (AMNT 2015) 5 April 2015	Degree College, Badvel, Kadapa	Phosphors	
69	UGC Sponsored National Seminar on Advances in Material Science and Nanotechnology (AMNT 2015) 5 April 2015	Department of Physics, S.B.V.R. Degree College, Badvel, Kadapa	Luminescence studies on RE ³⁺ : (RE=Eu, Dy) ions doped Tungsten and Titanate Alkaline Ceramics	2015
70	UGC Sponsored National Seminar on Advances in Material Science and Nanotechnology (AMNT 2015) 5 April 2015	Department of Physics, S.B.V.R. Degree College, Badvel, Kadapa	Optical Properties of Borosilicate Glasses doped with Eu ³⁺ and Tb ³⁺	2015
71	UGC Sponsored National Seminar on New Trends in Polymer Chemistry and characterization (NTPC 2015) 19 April 2015	Department of Chemistry, S.B.V.R. Degree College, Badvel, Kadapa	Optical Properties of Eu ³⁺ doped Poly Methyl Methacrylate (PMMA) Polymer	2015
72	UGC Sponsored National Seminar on New Trends in Polymer Chemistry and characterization (NTPC 2015) 19 April 2015	Department of Chemistry, S.B.V.R. Degree College, Badvel, Kadapa	Optical Properties of Tb ³⁺ doped Poly Methyl Methacrylate (PMMA) Polymer	2015
73	National Conference on Recent Developments in Material Science and Technology 11 th October 2014	Department of Physics Arts, Commerce & Science College, Koradi	Photoluminescence and Mechano Luminescence Study of SrGd ₂ Si ₂ O ₈ :Eu ³⁺ Phosphors	2014
74	National Conference on Recent Advances in Material Science (NCRAM-2014) 1-2 November 2014	Department of Physics Loyola Degree College Pulivendla	Optical analysis of Tb ³⁺ : PbO-CdO-AlF ₃ -B ₂ O ₃ Glasses	2014
75	National Conference on Recent Advances in Material Science (NCRAM-2014) 1-2 November 2014	Department of Physics Loyola Degree College Pulivendla	Optical properties of Eu ³⁺ ions doped Cadmium Aluminum Fluoro Borate Glasses	2014
76	National Conference on Recent Advances in Material Science (NCRAM-2014) 1-2 November 2014	Department of Physics Loyola Degree College Pulivendla	Optical analysis of MgY ₄ Si ₃ O ₁₃ : Tb ³⁺ Phosphors	2014
77	National Conference on Luminescence and its	Department of Physics and	Emission analysis of Eu ³⁺ : Ca ₂ Gd ₂ W ₃ O ₁₄	2014

	Applications" (NCLA-2014)February 5-7, 2014.	Electronics, Rani Durgavati University, Jabalpur M.P. India	phosphors	
78	National conference on Emerging Interfaces of Physics and Technology	School of Studies in Physics, Vikram University, Ujjain	Emission properties of RE^{3+} (RE=Eu,Tb): CdO-Li ₂ O-B ₂ O ₃ -TeO ₂ glasses	2011
79	National conference on Materials for Energy Storage and conversion (NCMESC-2010) Jan 23-23, 2010	Department of Physics, S.V. University, Tirupati	Spectral analysis of Eu ³⁺ and Tb ³⁺ ions doped Zinc Lead boro Tellurite Glasses	2010
80	National conference on Novel Material and their applications (NCNMA-2010)18 th December 2010	Nilkanthrao Shinde Science & Arts College, Bhadravati	Optical properties of Dy ³⁺ ions doped B ₂ O ₃ -Bi ₂ O ₃ -ZnO-Li ₂ O glasses	2010
81	National conference on Advances in Nano materials, Devices and Technologies	Department of Physics, S.V. Degree College, Kadapa	A Potential Red Phosphor Ca ₃ Ga ₂ Si ₃ O ₁₂ Doped Eu ³⁺ ion for Light Emitting Diode Applications	2009
82	National conference on Advances in Nano materials, Devices and Technologies	Department of Physics, S.V. Degree College, Kadapa	PL analysis of Dy activated Ca ₃ Ga ₂ Si ₃ O ₁₂ nanocrystalline phosphors	2009
83	National conference on Advances in Nano materials, Devices and Technologies	Department of Physics, S.V.Degree College, Kadapa	Spectral analysis of RE^{3+} (Eu ³⁺ ,Tb ³⁺): B ₂ O ₃ -TeO ₂ -Li ₂ O-AlF ₃ Glasses	2009
84	National conference on Advances in Nano materials, Devices and Technologies	Department of Physics, S.V.Degree College, Kadapa	Spectral analysis of RE^{3+} (Sm ³⁺ ,Dy ³⁺): B ₂ O ₃ -TeO ₂ -Li ₂ O-AlF ₃ Glasses	2009
85	National conference on Advances in Nano materials, Devices and Technologies	Department of Physics, S.V.Degree College, Kadapa	Synthesis and luminescent Properties of Eu ³⁺ :Ca ₂ Gd ₈ (SiO ₄) ₆ O ₂ Nano Phosphors	2009
86	National conference on Advances in Nano materials, Devices and Technologies	Department of Physics, S.V.Degree College, Kadapa	Thickness effect on the Physical properties of dilute magnetic semiconducting Cd _{0.7} Mn _{0.3} S Nano crystalline films	2009

87	53 rd DAE Solid State Physics Symposium December 16-20, 2008.	DAE-BRNS and TIFR, Mumbai, India	Optical analysis of Pr ³⁺ : Fluoro-Phospho-Borate Glasses	2008
88	52 nd DAE Solid State Physics Symposium December 27-31, 2007.	Department of Physics, University of Mysore, Mysore.	Emission analysis of certain Transition Metal (Cu ²⁺ , Mn ²⁺) & Rare-Earth Ions (Eu ³⁺ , Tb ³⁺ , Nd ³⁺ , Er ³⁺ , Pr ³⁺ , Tm ³⁺) Doped Boro-Fluoro-Phosphate Glasses	2007
89	National Conference On Recent Advances in Vibrational Spectroscopy (NCVS-2007) January 29-30, 2007.	Department of Physics, Periyar University, Salem, India	Optical characterization of Boro fluoro phosphate glasses	2007
90	National conference on Luminescence and Its Applications (NCLA-2007)	Department of Physics, Bharathiar University, India	Spectral analysis of Eu ³⁺ and Tb ³⁺ ions doped Boro fluoro phosphate glasses	2007
91	51 st DAE Solid State Physics Symposium December 26-30, 2006.	Department of Physics, Barkatullah University, Bhopal	Optical properties of Cu ²⁺ ions doped Boro fluorphosphate Glasses	2006
92	National conference on Novel Materials and Technologies, February 17-18, 2006.	Department of Physics, S.V. University, Tirupati	Optical properties of Cu ²⁺ :B ₂ O ₃ -(TeO ₂ /CdO/ZnO) -Li ₂ O-AlF ₃ Glasses	2006

XIX: DEVELOPMENT OF e-CONTENT (LMS-LSDs/SDCs) IN 4 QUADRANTS

S.No	Subject / Paper/Medium	e-learning Module	Google Drive link	Year
1	Physics Paper-V (EM)	Schrodinger Wave equations	https://drive.google.com/file/d/1a3reC0asdHGahkCRCqXN1K8gBplNmyI9/view?usp=sharing	2021
2	Physics Paper-V (TM)	Schrodinger Wave equations	https://drive.google.com/file/d/1E4bkQox34yV5GDEUR8zLY_IN6cNQFwl-/view?usp=sharing	2021
3.	Physics Paper-VII C	RC Coupled Amplifier	https://drive.google.com/file/d/1lih21DKTtW6LzMnGDxSo-QGKQNV4eC1/view?usp=sharing	2024

XX: LIST OF TRAINING COURSES (REFRESHER COURSES/ ORIENTATION PROGRAMMES/ WORKSHOPS) ATTENDED:

S.No	Name/ Title	Organized by	Duration	Year
1	One day workshop on Capacity building and performance review of degree colleges	Govt College for Men, Kurnool	23-01-2016 one day	2016
2	One Day Workshop on UGC Schemes and Guidelines	Dr. V.S. Krishna Govt. Degree College, Visakapatnam	07-07-2015 one day	2015
3	DRC workshop on Human values & Professional Ethics	SKR&SKR Govt. College for Women, Kadapa	24-01-2015 one day	2015
4	One day workshop on UGC-XII plan Guidelines	Govt College (Men), Ananthapuramu	27-01-2014 one day	2014
5	One day National workshop on Advanced Materials characterization Techniques	Department of Physics S.V. University, Tirupati	23 March 2013	2013
6	A Foundation Course in Human Values and Professional Ethics	Govt. Degree College for Men, Kadapa	22-07-2013 to 25-07-2013 3 Days	2013
7	Refresher Course in Physics	Department of Physics DRW College, Gudur	04-01-2011 to 06-01-2011 3 Days	2011
8	International workshop and symposium on the synthesis and characterization of glass/ glass ceramics	YASHADA MD Center, Pune	7 -10 July 2010	2010
9	Faculty Development Programme (FDP) Sponsored By Department of Science and Technology	S.V. Degree College, Kadapa	05-01-2010 to 23-01-2010 3 weeks	2010
10	Refresher Course in Information Technology	Academic Staff College, S.V. University, Tirupati	22-02-2010 to 13-02-2010 3 weeks	2010
11	First International workshop on "Frontiers of Atmospheric Physics and Technology"	Y.V. University, Kadapa	Feb 20-22 3 Days	2008
12	Refresher Course in Educational Technology	Academic Staff College, S.V. University, Tirupati	12-11-2007 to 01-11-2007, 3 weeks	2007
13	Refresher Course in Chemical Physics	Department of Physics VR College, Nellore	22-09-2003 to 12-09 -2003 (3 weeks)	2003
14	Orientation Programme	Academic Staff College, S.V. University, Tirupati	27-04-1998 to 23-05-1998	1998

XXI: CONFERENCES ORGANIZED : 04 (Four)

1. National Conference on "Advances in Nanomaterials, Devices and Technologies" (NCANDT-2009) is organized as Convener at Department of Physics, S.V.Degree College, Kadapa in the year 2009.
2. National Conference on "Recent Trends In Materials Science (RTMS-2015) is organized on the capacity of Organizing Secretary at Department of Physics S.V.Degree College,Kadapa in the year 2015
3. National Conference on "Recent Trends In Materials Science (RTMS-2022) is organized on the capacity of Convener at Department of Physics ,Govt.College for Men(A),Kadapa in the year 2022
4. One Day webinar on "Intellectual Property Rights (IPR-2022)" organized on the capacity of Convener Department of Physics ,Govt.College for Men(A),Kadapa in the year 2022

XXII: MEMBERSHIP OF PROFESSIONAL AND ACADEMIC BODIES

S.No	Fellow/Associate Fellow/ Life Member	Name of the Professional/Academic Bodies
1	Fellow	National Environmental Science Academy, New Delhi
2	Associate Fellow	A.P. Academy of Sciences, Amaravathi
3	Life Member	Indian Physics Association
4	Life Member	Indian Laser Association, Indore
5	Life Member	Luminescence Society of India, Vadodara
6	Life Member	Indian Association of Physics Teachers, Kolkata
7	Life Member	National Environmental Science Academy,New Delhi

XXIII: RESEARCH COLLABORATION WITH INTERNATIONAL AND NATIONAL ACADEMIC/SCIENTIFIC INSTITUTIONS

S.No	Name of the Collaborator	Designation	Name of the Institute/ R&D Lab/ Organization	National/ International
1	Prof.Young Dahl Jho	Professor	Gwangju Institute of Science and Technology (GIST), South Korea	International
2	Prof.H.J.Seo	Professor	Pukyong National University, South Korea	International
3	Prof. H. Swart	Professor	University of Free State, South Africa	International
4	Prof.S.J.Dhoble	Professor	RTM Nagpur University, Nagpur, India	National
5	Dr.U.Rambabu	Principal Scientist	C-MET, Hyderabad, India	National
6	Prof.B.Deva Prasad Raju	Professor	S.V.University, Tirupati	National

XXIV:ABROAD COUNTRIES VISITS:

1. South Korea, 2. South Africa, 3. Sweden, 4. Finland, 5. Hong Kong, 6. Russia



Kadapa man, a testament to transformative **POWER OF EDUCATION**

S NAGARAJA RAO @Kadapa

From working as a daily wage labourer to becoming an internationally recognised professor of Physics, Dr Busireddy Sudhakar Reddy story highlights the transformative power of hard work.

Born into a poor rural family to B Mallareddy and Mallamma in Gudavandlapalli village, Sudhakar's academic journey was fraught with challenges, including financial hardships that forced him to rely on the generosity of his classmates for meals.

As a young boy, he worked alongside his father as a labourer to help support their family. Despite these challenges, he was determined to pursue his education.

His academic journey began at SV Degree College in Kadapa district, where he completed his degree from 1987 to 1990. He then earned an M.Sc. in Physics, driven by an unyielding desire to succeed. On January 17, 1997, he joined his alma mater as a lecturer, impressing the management with his dedication and academic excellence. Sudhakar never ceased to push his educational boundaries. In 2005, he obtained an M.Phil. in Physics, and in 2008, he earned a Ph.D. from Sri Venkateswara University. His hard work and dedication paid off when he was promoted to Reader (As-



sociate Professor) in 2008 and later to Professor in 2014.

His research in Physics has not only gained him national recognition but has also made waves internationally. He recently received a UK patent for his innovative work on controlling stem borer insects in crop management. Over the years, he has secured grants totalling ₹63 lakh for various research projects funded by prestigious organisations such as University Grants Commission (UGC) Council of Scientific & Industrial Research (CSIR), and Rashtriya Uchchatar Shiksha Abhiyan (RUSA). Under his guidance,

seven students have earned their Ph.Ds, with two more currently pursuing their research.

In addition to his mentoring and research, Sudhakar has published 75 research papers in national and international journals, authored two books, and contributed four book chapters.

His expertise and contributions to education have been recognised through numerous awards, including the 2008 State Best Teacher Award and the 2017 National Environmental Science Academy Best Scientist Award. He has also been selected as a NAAC peer team member.

Looking to the future, he aspires to receive the National Best Teacher Award from the President of India. His dedication to his field and his students has also earned him an invitation to North Carolina, USA, as part of the Fulbright-Nehru Academic and Professional Excellence Fellowship.



పరిశోధనలకు

తక్కువ పరిమళం

பாவிதரால்

అన్వేషణ రీతి

డా. సుధాకర్ రెడ్డి మున.

[illegible][illegible]

గురువుల వేషా-కే-

[illegible]

అప్పటి రాష్ట్ర ముఖ్యమంత్రి జై.ఎన్.
రాజశేఖరరెడ్డి నుంచి రాష్ట్ర చిత్తమ
అధ్యాపకుడిగా పురస్కారం అందు
కుంటున్న డాక్టరు సుధాకరరెడ్డి
(దాచిత చిత్రం)

శక్తివంశీ ఎక్స్‌ప్రెస్ వెలుగులు తెచ్చేందుకు



...వ్యవస్థాపక అధ్యక్షుడు అయిన
...గృహం అయి. తనలో గొప్ప వ్యవస్థ
...వంటిది. మరొకటి ఏమిటో, వ్యవస్థ
...కళ్ళను కట్టి పరిశీలించి తన
...నా సొంతాన్ని అందుకోవడానికి
...మహామార్పు దా అది అప్పుడు
...మహామార్పు, నా అది అప్పుడు
...శ్రీ గణపతి, నా అప్పుడు

దక్షిణ కొరియాలో పరిశోధకులతో ప్రధానమంత్రి

EXPRESS READ

Sudhakar appointed as NAAC peer member

Kadapa: Kadapa Government Men's College Physics professor Dr Busireddy Sudhakar Reddy has been appointed as the member of National Assessment and Accreditation Council (NAAC) peer team. The recognition comes as a testament to Dr Reddy's extensive teaching and research experience. The college lauded Dr Reddy's academic achievements, including his research papers, projects, supervision of research students, post-doctoral experience, and impressive scholarly indices such as H-Index, Google Scholar, and Scopus



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2/12



Kadapa lecturer gets patent for insects capturing device

EXPRESS NEWS SERVICE @Kadapa

DR Busireddy Sudhakar Reddy, a Physics lecturer at the Government College For Men (Arts College) in Kadapa district, has been granted a patent certificate for his 'Device for Controlling the Stem Borer Insect in Crop Management' by the Comptroller General of Patents, Intellectual Property Office (IPO) in the United Kingdom, said principal Dr G Ravindranath.

Dr Sudhakar Reddy applied

for patent rights on July 3, 2024, for his work on a device that captures insects in an agricultural field. The patent was approved on July 10, 2024.

Speaking about his achievement, the lecturer explained that he, along with Professor Sanjay Dhoble from Nagpur University and a dedicated research team, developed an innovative device that utilises LEDs and essential oils to attract and capture insects. The faculty and staff congratulated Dr Busireddy on the occasion.

ANANTAPUR, TUESDAY, JUNE 24, 2014

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Kadapa professor for South Korea

Special Correspondent

KADAPA: Associate professor in Physics in Sri Venkateswara degree college here Busireddy Sudhakar Reddy has been invited as visiting scientist to Gwangju Institute of Science and Technology (GIST) in South Korea.

A communique was received from Young Dahl Jho of the Centre for Photon Information Processing and School of Information and Communications of GIST, in charge principal of SV degree college, Anand Kumar Reddy said on Monday.

He would undertake research along with Young Dahl Jho and Ben Ham.

A State-level best teacher awardee in 2008, Dr. Sudha-



B. Sudhakar Reddy.

kar Reddy had visited South Korea in 2009 and published nearly 80 research papers in national and international journals.

He completed two major projects with UGC funding and another major project under the Council of Scientific and Industrial Research, he said.

☆ తక్కువ ఖర్చుతో
విద్యుత్తు అంశంపై పరిశోధన
☆ ఎస్పీడిసీ రీడర్
అసోసియేట్ ప్రొఫెసర్ ఘనత
☆ దక్షిణ ఆఫ్రికా అంతర్జాతీయ
సదస్సుకు ఆహ్వానం



డాక్టర్ సుధాకర్ రెడ్డి, రీడర్, అసోసియేట్ ప్రొఫెసర్, ఎస్పీడిసీ

పల్లె నుంచి

ప్రపంచ దేశాల దాకా..

పాఠశాలల్లో చట్టుపక్కల పిల్లలు, ఉపాధ్యాయుల నుంచి భోజనం సర్దుబాటు చేసుకుని కడుపునింపుకొన్న రోజుల నుంచి విశ్వవిద్యాలయ గ్రాంట్స్ కమిషన్ నిధులతో పరిశోధనలకై

సగర్వంగా ప్రపంచంలోని ప్రఖ్యాత విశ్వవిద్యాలయాలను లభ్యయనం చేసే దాకా..

కడవ విద్య, న్యూనీటడే : ఓ డిగ్రీ కళాశాలలో విద్యనభ్యసించే కాలగమనంలో అదే కళాశాలలో అధ్యాపకుడిగా విద్యలు నిర్వహించడం నుంచి తనకు విద్యభోదించిన ఇద్దరు అధ్యాపకుల పీహెచ్డీకి తనే గైదుగా నియమితులయ్యే దాకా.. రాష్ట్ర ఉత్తమ అధ్యాపకుడిగా ప్రభుత్వం నుంచి పురస్కారం అందు కునే దాకా.. సాగిన ఓ అధ్యాపకుడి పయనమిది. 'తక్కువ ఖర్చుతో విద్యుత్తు' అంశంపై ఖండాంతర పరిశోధనల్లో సైతం పాలు పంచుకుంటున్న సుధా కర్ రెడ్డి విజయగాధ ఇది. కడవ జిల్లా కేంద్రం లోని శ్రీవేంకటేశ్వర డిగ్రీ కళాశాల రీడర్, అసోసి యేట్ ప్రొఫెసర్ డాక్టర్ సుధాకర్ రెడ్డి సాధించిన మనతలివి.

నేపథ్యమిది : డాక్టర్ సుధాకర్ రెడ్డి స్వస్థలం చింతకొమ్మ దిన్న మండలం గూడువాండ్లపల్లె మల్లారెడ్డి మల్ల మ్మలు తల్లిదండ్రులు. ఐదుగురు సంతానంలో ఆయన ఒకరు. బయనపల్లె శ్రీవేంకటేశ్వర ఎయిడెడ్ పాఠశాలలో ప్రాథమిక విద్య ప్రారంభించిన ఆయన కడప డాక్టర్ పండ్ల కోటేశ్వరమ్మ జూనియర్ కళాశాలలో ఇంటర్మీడియట్, శ్రీవేంకటేశ్వర డిగ్రీ కళాశాలలో డిగ్రీ, తిరుపతి ఎస్సీ విశ్వవిద్యాలయంలో ఎంఎస్సీ బౌతిక శాస్త్రం, ఎంఫిల్, పీహెచ్డీ పూర్తి చేశారు. తాను డిగ్రీ పూర్తిచేసిన కడప శ్రీవేంకటేశ్వర డిగ్రీ కళాశాలలోనే 1997 జనవరి 17వ తేదీన బౌతికశాస్త్ర అధ్యాపకుడిగా విద్యలు ప్రారంభించారు. 2008 ఏప్రిల్ 16వ తేదీన రీడర్ అసోసియేట్ ప్రొఫెసర్ స్థాయికి చేరారు.

సాధించిన అవార్డులు

- ☆ 2008 సంవత్సరంలో అప్పటి ముఖ్యమంత్రి వైఎస్ రాజశేఖర్ రెడ్డి చేతుల మీదుగా రాష్ట్ర ఉత్తమ అధ్యాపకుడిగా పురస్కారం.
- ☆ తిరువనంతపురంలోని ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ్ సైన్స్ అండ్ టెక్నాలజీలో నిర్వహించిన సదస్సులో ఉత్తమ పరిశోధన పత్రం అవార్డు.
- ☆ 2015 సంవత్సరంలో ఏపీ అకాడమీ ఆఫ్ సైన్స్ లో అసోసియేట్ పెలోగా చేరు.

చదువు నేర్చిన వారికి గైదుగా...

డాక్టర్ సుధాకర్ రెడ్డి పీహెచ్డీ చేసే వారికి పరిశోధన పర్యవేక్షణానికి అయ్యలుగా గుర్తిస్తూ యోగి వేమన విశ్వవిద్యాలయం ఉత్తర్వులు జారీ చేసింది. ఈయనకు చదువు నేర్చి ప్రయోజకుడిగా తీర్చిదిద్దిన ఇద్దరు గురువులకు పీహెచ్డీ గైదుగా నియమితులయ్యారు. పాఠాలు బోధించిన అధ్యాపకులు గిరిదర్, భూషణ్ రెడ్డి పీహెచ్డీకి గైదుగా పనిచేసే అవకాశాన్ని దక్కించుకున్నారు. వారితో పాటు ప్రస్తుతం కర్నూలు జిల్లా పుల్లారెడ్డి ఇంజనీరింగ్ కళాశాలలో అసిస్టెంట్ ప్రొఫెసర్ గా పనిచేస్తున్న డాక్టర్ శైలజ, తిరుపతి కేఎంఎం ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ సైన్స్ లో అసిస్టెంట్ ప్రొఫెసర్ గా ఉన్న డాక్టర్ వేమ శేవనరాజు డాక్టర్ సుధాకర్ రెడ్డి గైదుగా పీహెచ్డీ అవార్డు పొందారు. ప్రస్తుతం ముగ్గురు విద్యార్థులు పరిశోధక విద్యార్థులకు గైదుగా ఉన్నారు.

పరిశోధనలు, పత్ర సమర్పణలు

- ☆ 2014 సంవత్సరంలో దక్షిణ కొరియా 'గ్యాంగ్జు ఇన్స్టిట్యూట్ ఆఫ్ సైన్స్ అండ్ టెక్నాలజీ'లో 'సమరియం డైప్రోజియం యూరోపియం టర్బియం ఆయానులను మెగ్నీషియం ఇట్రీయం సిలికేట్ పాస్ఫేట్స్ లో మాడి కరణం చేసినపుడు వాటి వైట్ లైట్ ఎమిటింగ్ డయోటర్ ఉపయోగించే విధానంపై మూడు నెలల పాటు పరిశోధనలు.
- ☆ 2015లో స్వీడన్ లో జరిగిన అంతర్జాతీయ సదస్సులో 'ఎమిషన్ అనాలసిస్ ఆఫ్ యూరోపియం టర్బియం ఆయాన్స్ డోప్డ్ ప్రాన్యాయం ఇట్రీయం సిలికేట్ పాస్ఫేట్స్ పర్ వైట్ లైట్ ఎంటింగ్ డయోట్స్ అంశం మీద ప్రసంగం. అక్కడి అధ్యాపకులతో చర్చల్లో బాగ్నాస్యం.
- ☆ ఇటీవల కేరళ రాష్ట్రంలో మహాత్మా గాంధీ విశ్వవిద్యాలయంలో 'నానోస్ట్రక్చర్స్ నానో కాంపాజిట్స్ పై జరిగిన సదస్సులో 'ఆప్టికల్ ప్రాపర్టీస్ ఆఫ్ సమ రేర్ అర్డ్ ఆయాన్స్ డోప్డ్ కాల్షియం గడోలియం టంగ్స్టేట్ పాస్ఫేట్స్ అంశం మీద ప్రసంగం.
- ☆ 2017 మార్చి 24వ తేదీన దక్షిణాఫ్రికాలోని యూనివర్సిటీ ఆఫ్ ఫ్రీ స్టేట్ బౌతికశాస్త్ర విభాగం నిర్వహించే 'పోటానిక్ మెటీరియల్స్ అంశంపై అంతర్జాతీయ సదస్సులో పాల్గొనాలని ఆహ్వానం.

ఈనాడు కడిప

శనివారం 18 ఫిబ్రవరి 2017

16 పేజీలు

ప్రయోగాలు నోబెల్ స్థాయికి చేరాలి

డిగ్రీ కళాశాలలో మరిన్ని వసతులు సమకూర్చుకోగలిగితే వివిధ పరిశోధక ప్రాజెక్టుల రూపంలో మంచి పరిశోధనలకు అవకాశం ఉంది. తక్కువ ఖర్చుతో విద్యుత్, విద్యుత్ అదా అంశంపై పరిశోధనలు చేస్తున్నాను. ఇదే అంశంపై పరిశోధనలు చేసిన ముగ్గురు జపాన్ శాస్త్రవేత్తలు గతేడాది నోబెల్ బహుమతి అందుకున్నారు. మనదేశం ఆ స్థాయికి చేరుకోవాలి. వైట్ లైట్ ఎంటింగ్ డయోట్స్ యొక్క క్వాంటం ఎమిషియన్స్ ను మనం పెంచగలిగితే ఎక్కువ విద్యుత్ ను అదా చేయవచ్చు. దాని వలన పొదుపు పెరుగుతుంది. తత్ఫలితంగా ప్రభుత్వంపై భారం తగ్గుతుంది.

- డాక్టర్ బి. సుధాకర్ రెడ్డి, అసోసియేట్ ప్రొఫెసర్, రీడర్, ఎస్పీడిసీ



உயர்நீதிமன்றம்

ಗುರುಪಾಠಂ 23-3-2017



విద్యార్థులు ప్రయోగాలు, పరిశోధనల గురించి వివరిస్తున్నా. బునెర్డీ సుధాకర్ రెడ్డి

● 2008లో దాడి ఉత్తమ అభివ్యాసక అవార్డును
అందుకు ముఖ్యమంత్రి డా. జైపీ. రాజశేఖర
రెడ్డి చేతుల మీదుగా అందజేస్తూను.

● యూజీసీ నుంచి కొన్నింటి ఆఫ్ ఫైనాన్సింగ్
అండ్ ఇండస్ట్రియల్ రిసెర్చ్ కేంద్ర ఒకటి బారో
రోడ్ వద్ద పరిశోధన ప్రాజెక్టును స్థానికంగా పెంచారు.

● 62 పరిశోధన పత్రాలు జారీచేసి, అంత
ద్వారానే జర్నలిస్టుల ప్రతిభను ముగించారు.

● 59 జాతీయ అంతర్జాతీయ సదస్సులు
హోమ్ లో పరిశోధన పత్రాలను సమ

ర్పించారు. ఒక వ్యవస్థాన్ని సైతం అయిన
వెలుగులరావు.

● తిరువనంతపురంలో ఇండియన్ ఇన్స్టిట్యూట్
ఆఫ్ సైన్స్ అండ్ టెక్నాలజీకి నిర్మాణం
పొందిన ఆధునిక స్థానిక ఆఫ్ ఇండియా
అనే పేరుతో నిర్మించిన జాతీయ సద
స్సులో డా. సుబ్రహ్మణ్యము సమర్పించిన
పరిశోధన పత్రం ఉత్తమ పరిశోధన
పత్రంగా ఎంపిక అయింది మున్నగులు
పొందింది.

దాకొరి బునిరెడ్డి సుదాకొరిరెడ్డి వీహెచ్.డి. చేపవారికి వెంకటేశుల వర్మవేష్టాసు అర్చ
యగా గుర్తుపై యోగివేసుల విగ్రహవిద్యాలయం ఉత్తరపులు జూరి చేసింది. ఈయ
నకు వరుస వేర్పేర్లు ప్రజామండగి లోనిరెడ్డినా వద్దను గురువలకు వీహెచ్.డి
గ్రేడో నియమితలయ్య అర్చుతమైన అవకాశం ఈయనకు లభించింది.
ఈనకు పాఠాలు పెప్పిన ఏ. గిరిరెడ్డి, భూపవీరరెడ్డిగారి గ్రేడో వ్యవహరించాడు.
వీరితో పాటు డా. రాజు, దాకొరి వేమన శేషనరాయణ ఈయన వర్మవేష్టాలో
దాకొరి పొందాడు.

● 2017 మార్చి 27 నుంచి 31వ
తేదీ వరకు దక్షిణాఫ్రికాలోని
యానిస్మర్గ్లో ఆఫ్ ప్రీ స్టేట్ థాటిక
శాస్త్ర విభాగం నిర్వహించే
పాటానిక్ మెటేయర్స్ అన్న
ఆంశంపై నిర్వహించే ఆంశకార్యక్రమ
నడమూలే పాల్గొననున్నారు.

