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.,FNESA, FRSC.

Professor of Physics & NRC Co-Ordinator

State Best Teacher Awardee -2008

Fellow: Royal Society of Chemistry (FRSC)

Post Doctoral Fellow: GIST, South Korea

UGC-NAAC Peer Team Member

Fellow: National Environmental Science Academy (FNESA)

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 https://gcmkadapa.irins.org/profile/577422
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
x	**Basic pay**	: Rs.193800/-

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 Degree College Rajampeta, YSR Kadapa District
September 09, 2021 to Oct 03, 2021	:	Professor of Physics O/o Regional Joint Director of Collegiate Education, Kadapa
April 16, 2014 to Sep 09, 2021	:	Professor of Physics S.V.Degree College (Govt. Aided), Kadapa
April 16, 2011 to April 15, 2014	:	Associate Professor of Physics S.V.Degree College (Govt. 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 (Govt. 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

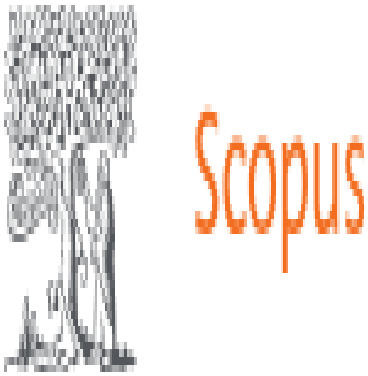
- Convener: Research Advisory Committee, Government College for Men (A), Kadapa
- NRC Co-Ordinator: Government College for Men (A), Kadapa
- President: Institutional Innovation Cell (IIC), Govt. College for Men (A), Kadapa
- Member: Internal Quality Assurance Cell (IQAC), Govt. College for Men (A), Kadapa
- 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, SV Degree College (Govt. Aided), Kadapa, during 2008- 2014
- Co-ordinator: UGC Cell, SV Degree College (Govt. Aided), Kadapa
- Co-ordinator: Internal Quality Assurance Cell (UGC- IQAC), S.V. Degree College (Govt. Aided), Kadapa
- Co-ordinator: Research &Development Cell, SV Degree College (Govt. Aided), Kadapa, Since 2008.

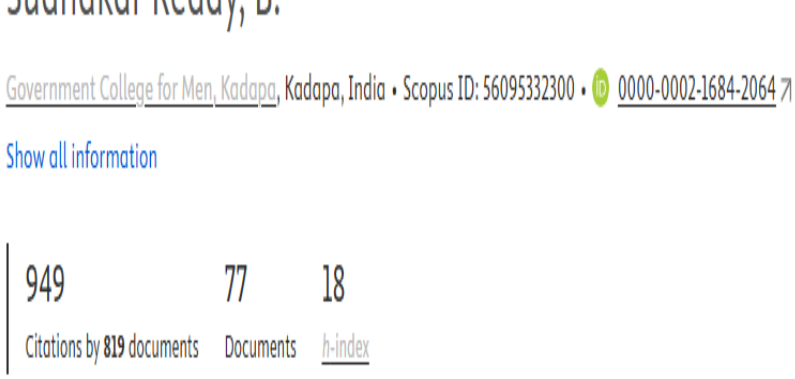
- Member: Board of Studies in Physics: Sri Rama Krishna Degree College, Nandyal, A.P., India.
- Member: Board of Studies in Electronics: Y.V. University, A.P., India.

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=bsOtJq4AAAAJ
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





Clarivate

Web of Science

Dr. B. Sudhakar Reddy M.Sc., M.Phil., Ph.D. FRSC, Professor of Physics,Govt.College for Men(A), Kadapa-516004, India

(Reddy, Busireddy Sudhakar) | Government College for Men (A) Kadapa India

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 — 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

Profile summary

77	Total documents
74	Publications indexed in Web of Science
73	Web of Science Core Collection publications
0	Preprints
0	Dissertations or Theses
3	Non-indexed publications
48	Verified peer reviews
0	Verified editor records
0	Awarded grants

Web of Science Core Collection metrics

17 H-Index	73 Publications
856 Sum of Times Cited	731 Citing Articles
757 Sum of Times Cited without self-citations	690 Citing Articles without self-citations
0 Sum of Times Cited by Patents	0 Citing Patents
0 Sum of Times Cited by Policy	0 Citing Policy Documents

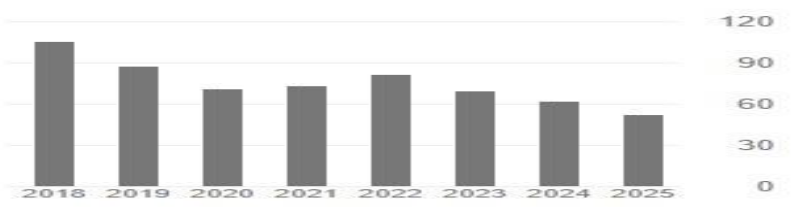
Google Scholar

Prof.B.Sudhakar Reddy M.Sc., M.Phil.,Ph.D. FRSC FOLLOWING

Professor of Physics , Department of Physics, Government College for Men (A), Kadapa,A.P. India
Verified email at gcmkadapa.ac.in - Homepage

Phtotoluminescence Rare earth ions doped glas... phosphors ceramics

	All	Since 2020
Citations	1085	408
h-index	19	11
i10-index	26	11



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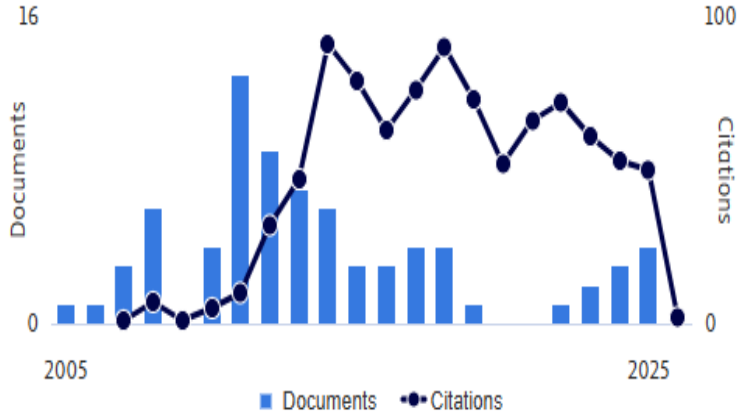

B. Sudhakar Reddy

Government College for Men Kadapa - Kadapa / India

Natural Sciences / Physics

AD Scientific Index ID: 4620545

*** Total H Index Rankings**

Rankings

561,937 World Rank

18,235 Country Rank

1 University

Ranking Based On Selection: 1

AD Scientific Index — Rankings for Scientist — More Than a Ranking

World Scientist and University Rankings 2026

Government College for Men Kadapa

AD Scientific Index ID: 4620545 Prof.B.Sudhakar Reddy M.Sc., M.Phil., Ph.D., FRSC

	Scores	In Government College for Men Kadapa (6)	In India (165,383)	In Asia (821,476)	World (2,631,501)
		Rankings			
H-Index (Total)	19	#1	#18,186	#117,384	#560,158
H-Index (Last 5 years)	11	#2	#29,748	#184,071	#789,436
H-Index Last 5 years / Total Ratio	0.579				
i10 Index (Total)	26	#1	#20,430	#126,089	#579,683
i10 Index (Last 5 years)	11	#2	#30,808	#189,287	#807,529
i10 Index Last 5 years / Total Ratio	0.423				
Citation (Total)	1,081	#1	#22,924	#145,813	#707,993
Citation (Last 5 years)	405	#2	#33,423	#207,460	#889,223
Citation Last 5 years / Total Ratio	0.375				
Natural Sciences *		#1 (3) *	#5,323 (#22,461) *	#24,586 (#83,825) *	#117,558 (#309,402) *
Physics *		#1 (1) *	#1,554 (#5,349) *	#6,885 (#19,401) *	#30,256 (#66,707) *

www.adscientificindex.com

Date : 12.12.2025 *Source and Methodology: https://www.adscientificindex.com/scientist/profbsudhakar-reddy-msc-mphil-phd-frsc/4620545

VIIA: SERVING AS EDITORIAL BOARD MEMBER FOR:

Journal of Photonic Materials and Technology

VIII. REVIEWER ACTIVITIES FOR ELSEVIER/WILEY/SPRINGER SCOPUS/ WOS JOURNALS

S.No	Name of the Journal	Publisher	S.No	Name of the Journal	Publisher
1	Ceramics International	Elsevier	16	Sensor &Activators	Elsevier
2	Journal of Alloys and Compounds	Elsevier	17	Indian Journal of Pure & Applied Phys	NISCAIR -CSIR
3	Journal of Molecular Structure	Elsevier	18	Physica B: Condensed Matter	Elsevier
4	Journal of Non-Crystalline Soilds	Elsevier	19	Luminescence	Wiley
5	Journal of Physics and Chemistry of Solids	Elsevier	20	Indian Journal of Physics	Springer
6	Materials Chemistry and Physics	Elsevier	21	Journal of Luminescence	Elsevier
7	Materials Research Bulletin	Elsevier	22	Soild State Sciences	Elsevier
8	Materials Science and Engineering: B	Elsevier	23	Radiation Effects and Defects in Solids	Taylor & Francis
9	Materials Today: Proceedings	Elsevier	24	Journal of Materials Science	Springer
10	Results in Optics	Elsevier	25	Inorganica Chimica Acta	Elsevier
11	Vacuum	Elsevier	26	RSC Advances	RSC
12	Materials Today Communications	Elsevier	27	Nuclear Instruments and Methods in Physics	Elsevier
13	Polyhedron	Elsevier	28	Spectrochimica Acta Part A	Elsevier
14	Optics Communications	Elsevier	29	Bulletin of Materials Science	Springer
15	Dyes and Pigments	Elsevier	30	Optical and Quantum Electronics	Springer

IX: REVIEWER HISTORY REPORT OF ELSEVIER JOURNALS

Review History Report

Dr.B.SUDHAKAR REDDY

From: 1 January 2005 To: 18 April 2026

All dates in GMT

Total journals reviewed for:	**12**
Total reviews completed:	**146**

Review History Report

Dr.B.SUDHAKAR REDDY

From: 1 January 2005 To: 18 April 2026

All dates in GMT

Journal of Alloys and Compounds

73 reviews completed

Review History Report

Dr.B.SUDHAKAR REDDY

From: 1 January 2005 To: 18 April 2026

All dates in GMT

Ceramics International

19 reviews completed

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
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

Review History Report

Dr.B.SUDHAKAR REDDY

From: 1 January 2005 To: 30 October 2024

All dates in GMT


SPRINGER NATURE
REVIEWER CERTIFICATE
This certificate is awarded to
Dr.Sudhakar Reddy Busireddy
in recognition of their contribution to
1 manuscript in 2025 for
Optical and Quantum Electronics
01 December 2025
Springer
nature portfolio
BMC
Discover
palgrave macmillan
Birkhäuser
Adis


SPRINGER NATURE
REVIEWER CERTIFICATE
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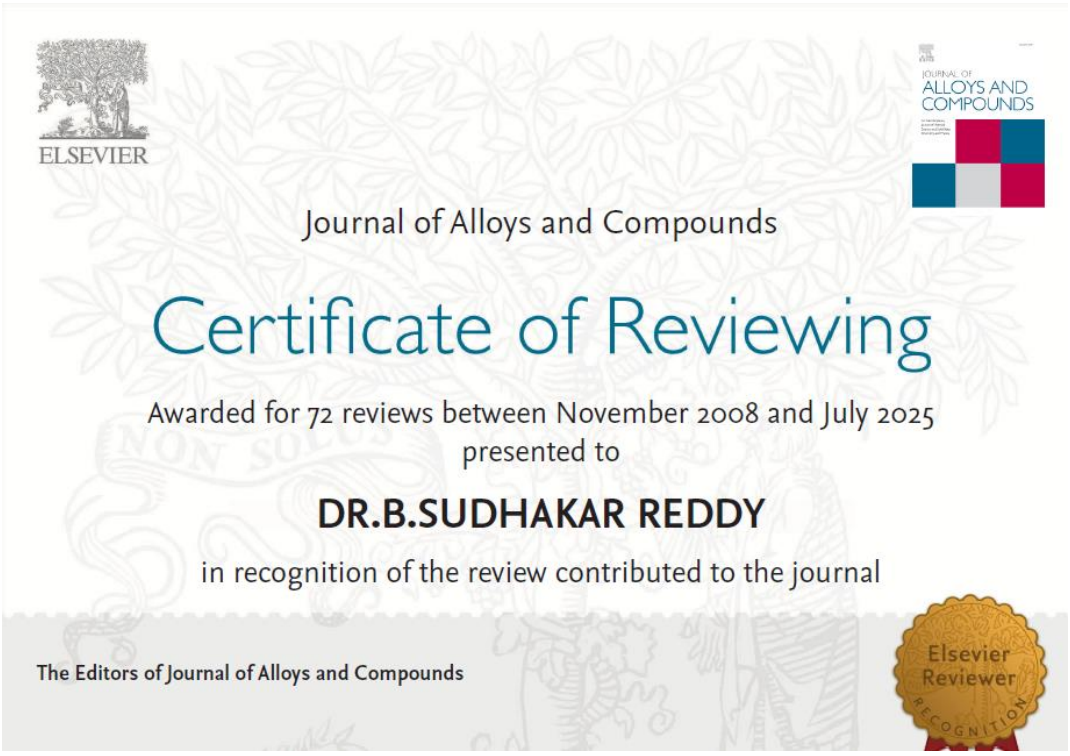
in recognition of their contribution to
1 manuscript in 2024 for
Optical and Quantum Electronics
09 September 2024
Springer
nature portfolio
BMC
Discover
palgrave macmillan
Birkhäuser
Adis


ELSEVIER
JOURNAL OF ALLOYS AND COMPOUNDS
Journal of Alloys and Compounds
Certificate of Reviewing
Awarded for 72 reviews between November 2008 and July 2025
presented to
DR.B.SUDHAKAR REDDY
in recognition of the review contributed to the journal
The Editors of Journal of Alloys and Compounds
Elsevier Reviewer
RECOGNITION

X. AWARDS, HONORS & FELLOWSHIPS:

GOVERNMENT OF ANDHRA PRADESH

DEPARTMENT OF HIGHER EDUCATION

STATE AWARDS TO MERITORIOUS TEACHERS 2008

Dr. B. Sudhakar Reddy, Lecturer in Physics,

SV Degree College, Kadapa

is awarded this Certificate of Merit, a medal and Cash Award in recognition of his/her distinguished service as a teacher.

Hyderabad
05-09-2008

Commissioner of
Collegiate Education

Principal Secretary to Government
Higher Education Department

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

Founded 1841
Incorporated by Royal Charter 1848
Patron Her Majesty the Queen

THIS IS TO CERTIFY THAT

BUSIREDDY SUDHAKAR REDDY

HAS BEEN ADMITTED AS A

FELLOW

OF

THE ROYAL SOCIETY OF CHEMISTRY

and is entitled to use the designatory letters FRSC

President

Chief Executive

Date of admission
25 March 2025

Membership Number
787210

The certificate is issued subject to the provisions of the Charter and By-Laws
Registered charity number 207890

2.Received Fellow of Royal Society of Chemistry (FRSC) Award from RSC, UK during the year 2025

Hans India

Dr Busireddy Sudhakar Reddy named Fellow of Royal Society of Chemistry

Hans News Service
Kadapa

DR Busireddy Sudhakar Reddy, Professor of Physics at Government College for Men (Autonomous), has been named a Fellow of Royal Society of Chemistry (FRSC) for his contributions to chemical sciences. With over 75 publications, two UK patents, and research in energy storage, WLEDs, lasers, and quantum computing, Dr Reddy's work has earned support from UGC, CSIR, and RUSA. He has mentored eight PhD scholars and currently advises two. Dr Sudhakar Reddy, a recipient of the State Best Teacher Award (2008) and National Faculty Award (2024), completed his PhD from Sri Venkateswara University, Tirupati, and pursued postdoctoral research in South Korea.

31/03/2025 TIRUPATI Pg 03

Hans India

Dr Busireddy honoured as fellow of Royal Society of Chemistry

Hans News Service
Kadapa

DR Busireddy Sudhakar Reddy, a faculty member in the physics department at Government Men's College, Kadapa, has been awarded the title of Fellow of the Royal Society of Chemistry (FRSC), United Kingdom.

The recognition is based on his professional contributions to the field. At a brief ceremony held at the college on Wednesday, Principal Dr G. Ravindranath presented the certificate and badge to Dr Busireddy. Staff and students attended the event.

17/04/2025 TIRUPATI Pg 03

సాక్షి

శభాష్.. ఆచార్యా!

పుస్తకాలు చేతబట్టి పాఠాలు వల్లెవేసిన పల్లెటూరి పిల్లాడు.. నేడు అవే పుస్తకాలు చేత బట్టి విద్యార్థులకు బోధిస్తూ..
తన పరిశోధనలతో దేశ, విదేశాల్లో ఖ్యాతిని ర్జిస్తూ పుట్టినగడ్డకు పేరు ప్రఖ్యాతులు తీసుకు వస్తున్నాడు. తాజాగా రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీలో ఫెలోగా నియమితులు కావడంతో పాటు సంస్థ రాయల్‌సొసైటీ బ్యాడ్జిని అందు కున్నాడు. ఆయనే ఆచార్య సుధాకర్ రెడ్డి.

- కడప ఆచార్యుడు సుధాకర్ రెడ్డికి అరుదైన గౌరవం
- పలు పేటెంట్లు కైవసం
- దేశ, విదేశాల్లో పరిశోధన

యూకే పేటెంట్‌ను నాగ్‌పూర్ ప్రొఫెసర్ దోర్లే, వైవీయూ ఇన్‌చార్జి వీసీ ఆచార్య కె. కృష్ణారెడ్డి నుంచి అందుకుంటున్న ఆచార్య బుసిరెడ్డి సుధాకర్‌రెడ్డి

డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి

కడప ఎడ్యుకేషన్: చింతకొమ్మదిన్నె మండలం గూడావాండ్లపల్లెకు చెందిన సాధారణ మధ్య తరగతి కుటుంబానికి చెందిన బుసిరెడ్డి మల్లారెడ్డి, మల్లమ్మల కుమారుడైన డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి ప్రాథమిక విద్య బయనపల్లె ఎస్.వి. హైస్కూల్‌లో పూర్తి చేశాడు. అనంతరం డాక్టర్ వంద్రా కోటేశ్వరమ్మ జూనియర్ కళాశాలలో ఇంటర్మీడియట్, ఎస్.వి. డిగ్రీ కళాశాలలో డిగ్రీ, తిరుపతి శ్రీవెంకటేశ్వర విశ్వవిద్యాలయంలో పీజీ, పీహెచ్‌డీ పూర్తిచేశారు. అనంతరం తాను చదివిన ఎస్.వి. డిగ్రీ కళాశాలలోనే అధ్యాపకుడుగా ప్రస్థానం ప్రారంభించారు. ప్రస్తుతం కడప నగరంలోని ప్రభుత్వ పురుషుల కళాశాలలో భౌతికశాస్త్ర ఆచార్యులుగా పనిచేస్తున్నారు.

పరిశోధనల్లో ఘనాపాటి..

డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి పరిశోధన రంగంలో తనదైన శైలిలో దూసుకుపోతున్నాడు. ఇప్పటికే ఆయనకు రెండు యూకే పేటెంట్లు ఉండగా, 75 పైగా అంతర్జాతీయ జర్నల్స్‌లో ఆయన పరిశోధన పత్రాలు ప్రచురితమయ్యాయి. 2008లో రాష్ట్ర ఉత్తమ ఉపాధ్యాయ అవార్డును అందుకున్న ఈయన 2017లో ఉత్తమ శాస్త్రవేత్త పురస్కారాన్ని అందుకున్నాడు. 2018లో ఎన్‌ఈఎస్‌ఏ ఫెలోగా పరిశోధనలో ఎక్సలెన్స్ అవార్డు అందుకున్నాడు. అదే ఏడాది విశిష్ట ప్రొఫెసర్ అవార్డును, 2024లో జాతీయ అధ్యాపక అవార్డును అందుకున్నారు. అదే విధంగా నేషనల్ అసెస్‌మెంట్ అండ్ అక్రిడేషన్ (న్యాక్) కమిటీ మెంబర్‌గా కూడా వ్యవహరించారు. ఏడీ ర్యాకింగ్‌లో ప్రపంచ వ్యాప్తంగా ఉన్న శాస్త్రవేత్తల జాబితాలో భారతదేశం నుంచి ఎంపికైన అతికొద్ది మంది భౌతికశాస్త్రవేత్తలో ఈయన ఒకరుగా నిలిచారు. ఇప్పటివరకు ఈయన 101 జర్నల్స్, 3 పుస్తకాలు, కోట్లాది రూపాయలు విలువ చేసే 6 ప్రాజెక్టులు పూర్తి చేశారు.

రెండు పేటెంట్లు...

'డివైజ్ ఫర్ కంట్రోలింగ్ ది స్టెమ్ బోరర్ ఇన్‌సెక్ట్ ఇన్ క్రాప్ మేనేజ్‌మెంట్' అన్న అంశంపై ఈయన పరిశోధన వ్యాసానికి 2025 జూలై 10వ తేదీన యునైటెడ్ కింగ్‌డమ్‌కు చెందిన కంప్ట్రోలర్ జనరల్‌ఆఫ్ పేటెంట్స్ ఇంటెలెక్చువల్ ప్రాపర్టీ వారు పేటెంట్ సర్టిఫికెట్ (పేటెంట్ నెంబర్ 6377539) అందజేశారు. ఈ పరిశోధనల ద్వారా ఎల్‌ఈడీ, నూనెలను ఉపయోగించి కీటకాలను రెండు విధాలుగా ఆకర్షించడానికి వినూత్న పరికరాన్ని రూపొందించారు. అదే విధంగా వేస్ట్ హెచ్‌జీ బేస్డ్ ల్యాంప్స్ కలెక్టింగ్ డివైజ్‌పై చేసిన పరిశోధనకు గాను పేటెంట్ నెంబర్ 6404043ను 2024 నవంబర్ 22న పొందారు.

2008లో అప్పటి సీఎం వైఎస్ రాజశేఖరరెడ్డి చేతుల మీదుగా ఉత్తమ అధ్యాపక అవార్డు అందుకుంటూ..

రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీలో ఫెలోగా..

ప్రపంచవ్యాప్తంగా 50వేల మంది సభ్యులుగా ఉండే రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీలో ఫెలోగా అవకాశం దక్కించుకున్న ఈయన తాజాగా సొసైటీ వారు మెటీరియల్ కెమిస్ట్రీ, ఫిజిక్స్ విభాగాల్లో చేసిన ప్రతిభను గుర్తించి ఎఫ్‌ఆర్‌ఎస్‌సీ (ఫెలో ఆఫ్ ది రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీ) అందించారు. దీనికి సంబంధించిన సర్టిఫికెట్‌ను, అదే విధంగా ఎంతో ప్రతిష్టాత్మకంగా భావించే 'రాయల్ సొసైటీ బ్యాడ్జి'ను డా. బుసిరెడ్డికి పంపడం విశేషం.

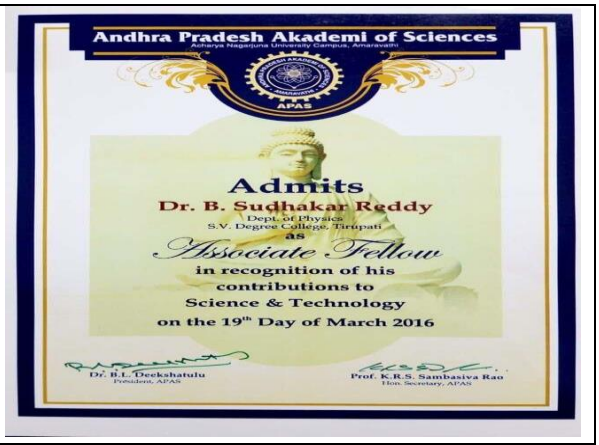
▸▸ పాఠాలు చెప్పిన అధ్యాపకులకే గైడ్‌గా..

తనకు డిగ్రీలో పాఠాలు చెప్పిన అధ్యాపకులు పి. గిరిధర్, భూషణ్‌రెడ్డిలకు.. తర్వాత కాలంలో ఆయనే వారికి గైడ్‌గా వ్యవహరించి పీహెచ్‌డీలు అందించారు. ఇప్పటి వరకు 8 మంది విద్యార్థులకు పీహెచ్‌డీ గైడ్ వ్యవహరించి వారికి డాక్టరేట్ రావడంతో కృషిచేశారు. ప్రస్తుతం మరో ఇద్దరు పరిశోధకులు ఈయన వద్ద పరిశోధనలు చేస్తున్నారు. 2010లో తొలుత విదేశాల్లో పరిశోధనలు ప్రారంభించిన ఈయన ఇప్పటి వరకు సౌత్‌కొరియా, హాంకాంగ్, స్వీడన్, ఫిన్‌లాండ్, సౌత్ ఆఫ్రికా దేశాల్లో పరిశోధనలు చేశారు.

25/04/2025 | YSR Kadapa (YSR Kadapa District) | Page : 9
Source : https://epaper.sakshi.com/

2a. News Coverage in Hans India and Sakshi Daily on the occasion of receiving the Fellow of Royal Society of Chemistry (FRSC) Award from RSC, UK during the year 2025

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



4. 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 Joon Kim
President
Gwangju Institute of Science and Technology

123 Cheomdan-gwagiro(Oryong-dong), Buk-gu, Gwangju 500-712 Republic of Korea
TEL: +82-62-715-2114 FAX: +82-62-715-2300 http://www.gist.ac.kr/

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

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

7. Received Fellowship of the year Award for the year 2020, from NESA, New Delhi

8. Received Life Time Achievement Award from Novel Research Academy, Puducherry, India during the year 2024

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Professor, Department of Physics
Government College for Men (Autonomous)
Kadapa-516004, YSR Kadapa District, Andhra Pradesh

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for his outstanding contribution in the field of education and continued dedication towards the bright future of the students

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Managing Editor

9. Received Best Science Faculty Award from Madras Journal Series Pvt Ltd., Chennai, Tamil Nadu, India during the year 2025

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 (Govt. Aided), Kadapa	Spectroscopic Investigations Of Rare-Earth (Eu^{3+}, Tb^{3+}, Sm^{3+}, Dy^{3+}, Pr^{3+} & Tm^{3+}) Ions Doped $(MgCa)_2Bi_4Ti_5O_{20}$ Ceramics and $Ca_2Gd_2W_3O_{14}$ Phosphors	2013
2	Awarded	K. Vemasevana Raju S.V. Degree College (Govt. Aided), 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 (Govt. Aided), Kadapa	Spectroscopic Investigations Of Certain Transition Metal And Rare-earth Ions Doped (CdO/Li_2O) $-PbO-B_2O_3-TeO_2$ Glasses	2015

4	Awarded	M. Bhushana Reddy Department of Physics, S.V. Degree College (Govt. Aided), 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 (Govt. Aided), Kadapa	Spectroscopic Investigations of RE^{3+}(RE=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 Aluminum 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	Awarded	S. Hajira Department of Physics, Govt. College for Men(A), Kadapa	Structural And Luminescence Properties of RE^{3+}: $MgLa_2V_2O_9$ Phosphors for Led Applications	2026
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 submitted

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
2	Waste Hg based lamps collecting device	United Kingdom (UK)	6404043	22.11.2024

XIII: RESEARCH PROJECTS ONGOING/ 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_2O_3–P_2O_5–WO_3- Li_2O - (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_2O_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	Bharti P. Bawanthade	Synthesis and Characterisation of	Gondwana University,	2025

		Nanometal Fluorides as a Phosphor Materials for Optical Applications	Gadchiroli	
2	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
3	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
4	Karan Kumar Gupta	Ionizing radiation induced luminescence study of inorganic phosphor	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2018
5	Suyash Yashwantrao Mullemwar	Synthesis and characterization of organic luminescent phosphors for near UV-LED lighting	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2016
6	Tushar Ramdasji Shelke	Development of Fluoride and Vanadate based phosphors for thermoluminescence	Priyadarshini College Of Engineering, Nagpur	2016
7	Javaid Ahamed Wani	Luminescent properties of rare earth activated sulphate & phosphate based phosphors	Gondwana University, Gadchiroli	2015
8	Gangadhar Narayan Nikhare	Luminescence of Ce^{3+} in some sulphate and aluminate based materials	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2013
9	Prashant Mohanrao Bhujbal	Luminescence characterization of alkali halides based phosphors for ML, lyoluminescence and TL dosimetry	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2013
10	Atul N. Yerpude	Development and characterization of inorganic phosphors	Rastrasant Tukadoji Maharaj Nagpur University, Nagpur	2012
11	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	4.7	0022-2860	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 Issue 12 (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 Boroflurophosphate Glasses **Bulletin of Material Science 30 (2007) 481-486** **B. Sudhakar Reddy,** S. Buddhudu	2007	2.1	0973-7669	First author
4	Characterization of Borofluorophosphate glasses **Procs. Indian National Science Academy 73 (2007) 25-32. B. Sudhakar Reddy,** S. Buddhudu	2007	1.2	2454-9983	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	0.558	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	1.7	0973-1458	Corresponding author
8	Structural and photoluminescence properties of $Zn_{1-x}Mn_xO$ 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	0.6	1841-7132	Co- author
9	Spectral analysis of Nd^{3+} & Er^{3+}: B_2O_3 - (TeO_2/CdO/ZnO) - Li_2O -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	0.6	1841-7132	Corresponding author
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74	Optical analysis of RE^{3+} (RE= Pr, Tm): $MgLa_2V_2O_9$ phosphors S. Hajira, P. Aruna, C. Balnarayana Reddy and **B. Sudhakar Reddy.** **Discover Materials 5 (2025) 251**	**2025**	**5.1**	**2730-7727**	**Corresponding author**
75	Judd-Ofelt theory and optical analysis of RE^{3+}(RE = Sm & Dy): B_2O_3-P_2O_5-WO_3-Li_2O-(ZnO/CdO/TeO_2) glasses P. Aruna, S. Sailaja, **B. Sudhakar Reddy** **Physica B: Condensed Matter 729 (2026) 418437**	**2026**	**2.8**	**0921452 6**	**Corresponding author**
76	Alkali and mixed alkali effect: Emission analysis of RE3+ (RE=Nd or Er): B2O3-P2O5-WO3-ZnO glasses for tunable laser and optical fiber applications J. Santhosh Vijitha, S. Hajira, P. Aruna, B. Rajeswari, U. Rambabu, K.A. Jamal Basha, **B. Sudhakar Reddy** **Next Materials 12 (2026) 102017 (1-20)**	**2026**	**--**	**2949-8228**	**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 Publications 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) B. Naveen Kumar Reddy, S. Sailaja, K. Thyagarajan, B. Sudhakar Reddy (2019) 293-304	Elsevier	International	978-0-08-102935-0	Corresponding author
3	Optical analysis of RE^{3+} (RE= Eu^{3+}, Tb^{3+}, Sm^{3+} & Dy^{3+}): $Ca_2Gd_2W_3O_{14}$ 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	939094940-8	Author
5	NIR emission analysis of Er^{3+} and Nd^{3+} ions	KY Publications	International	978-93-	Corresponding Author

	doped zinc lithium tungstate boro phosphate glasses P. Aruna, J. Santhosh Vijitha, S. Hajira, V, Sahadeva Reddy, M.V. Ramanaiah, K. Nagamuni Reddy, B. Sudhakar Reddy	, Guntur.		92760-55-6	

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

S. No	Title of the Conference Proceedings	Organizer (s)/Publisher(s) Details	Title of the Full-length Paper	ISBN No.	Corresponding Author/Co-author
1	National Conference on Luminescence and Its Applications (NCLA-2014), 05th to 7th February, 2014	Department of Post Graduate Studies and Research in Physics and Electronics, Rani Durgavati Vishwavidyalaya & Luminescence Society of India	Emission analysis of Eu3+: Ca2Gd2W3O14 phosphors	--	Corresponding Author
2	National Conference on Recent Developments in Material Science and Technology (RDMST-2014) 11th October 2014	Department of Physics, Arts, Commerce & Science College, Koradi	Emission analysis of RE3+ (RE= Eu, Tb, Sm, Dy, Pr & Tm): (MgCa)2Bi4Ti5O20 ceramics	978-81-926487-3-6	Co-Author
3	National Conference on Recent	Department of Physics, Arts, Commerce &	Photoluminescence Mechanolumines	978-81-	Co-Author

	Developments in Material Science and Technology (RDMST-2014) 11th October 2014	Science College, Koradi	cence Study of SrGd2Si2O8:Eu 3+ Phosphors	92648 7-3-6	
4	International Conference on Luminescence and its applications (ICLA-2012) 7-10 February 2012	Indian Institute of Chemical Technology, Hyderabad & Manoj Printers	Optical properties of Sm3+ and Dy3+: CdO-Bi2O3-B2O3 glass	--	Corresponding Author
5	International Conference on Luminescence and its applications (ICLA-2012) 7-10 February 2012	Indian Institute of Chemical Technology, Hyderabad & Manoj Printers	Photoluminescence Properties of Ce Activated ZnWO4 Phosphor	--	Co-Author
6	International Conference on Contemporary Trends in Optics and Optoelectronics, 17-19 January, 2011	Indian Institute of Space Science and Technology (IIST), Trivandrum	Optical absorption and emission spectra of Cu2+, Mn2+ and Ni2+: Cadmium lead boro tellurite glasses	--	Corresponding Author
7	Proceedings of National Conference on Emerging Interfaces of Physics and Technology (EIPT-2011)	School of Studies in Physics, Vikram University, Ujjain-456010 (M.P) India & Excel India Publishers	Emission Analysis of RE (RR=Eu, Tb): CdO-Li2O-B2O3-TeO2 Glasses	978-93-81361-31-3	Corresponding Author
8	Proceedings of	Nilkanthrao	Optical		Corresponding

	the UGC Sponsored National Conference on Novel Materials and their applications (NCNMA-2010) 18th December, 2010	Shinde Science & Arts College, Bhadrawati & Prathibha Book Distributers Das Ganu Prakashan	Properties of Dy3+ ions doped B2O3-Bi203-ZnO-Li2O Glasses	ISSN: 0975-5721	Author
9	53rd DAE Solid State Physics Symposium, 16-20 December 2008	DAE-BRNS and TRFR, Mumbai, India & Manohar Chandani	Optical analysis of Pr3+: Fluoro-Phospho-Borate Glasses	978-81-8372-044-1	Corresponding Author
10	52nd DAE Solid State Physics Symposium 27-31 December 2007.	Department of Physics, University of Mysore, Mysore & Manohar Chandani	Emission analysis of certain Transition Metal (Cu2+, Mn2+) & Rare-Earth Ions (Eu3+, Tb3+, Nd3+, Er3+, Pr3+, Tm3+) Doped Boro-Fluoro-Phosphate Glasses.	81-8372-035-8	Corresponding Author
11	Proceedings of National Conference on Luminescence and its applications (NCLA-2007), 18-20 January, 2007	Department of Physics, Bharathiar University & Luminescence Society of India & Rajiv Beri for Macmillan India Ltd.	Spectral Analysis of Eu3+ and Tb3+ ions doped borofluorophosphate glasses	978-0230-63054-3	First Author

12	51st DAE Solid State Physics Symposium 26-30 December 2006.	Department of Physics, Barkatullah University, Bhopal & Manohar Chandani	Spectral Analysis of Cu2+ ions doped Borofluorophosphate Glasses.	81-8372-030-7	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**
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
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
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+}: $Sr_2Y_2WO_9$ Phosphors
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 $Gd_2W_3O_{14}$ phosphors
5	National Conference on Recent Developments in Material Science and Technology (RDMST-2014) 11th October 2014	Department of Physics Arts, Commerce& Science College, Koradi	Emission analysis of RE^{3+}(RE=Eu, Tb, Sm, Dy, Pr &Tm): (Mg Ca)$_2Bi_4Ti_5O_{20}$ Ceramics
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-B2O_3 Glasses

7	National Seminar on Materials Preparation and Characterization	Department of Physics, RTM Nagpur University, Nagpur	Emission Properties of Glasses
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
S. No	**Title of Conference / Seminar**	**Organized by**	**Title of the Paper**
1	International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2025) 21-23 April 2025	Rare Earth Association of India, Mumbai, Department of Physics, Sri Venkateswara University, Tirupati & Department of Biotechnology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	Optical Analysis of Sm^{3+} and Dy^{3+}: B_2O_3-P_2O_5-WO_3-Li_2O-($ZnO/CdO/TeO_2$) Glasses
2	International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2025) 21-23 April 2025	Rare Earth Association of India, Mumbai, Department of Physics, Sri Venkateswara University, Tirupati & Department of Biotechnology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	Synthesis and Luminescence Properties of Europium Doped Magnesium Niobium Gallium Nano-Phosphors
3	International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2025) 21-23 April 2025	Rare Earth Association of India, Mumbai, Department of Physics, Sri Venkateswara University, Tirupati & Department of Biotechnology, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	Photoluminescence Investigation of RE^{3+}(RE=Pr, Tm) Ions Doped Magnesium Niobium Gallium Phosphors
4	International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2025) 21-23 April 2025	Rare Earth Association of India, Mumbai, Department of Physics, Sri Venkateswara University, Tirupati & Department of Biotechnology, Sri	Optical investigations of novel $NaLaCaWO_6$: Ln^{3+} (Ln = Er, Eu, Sm) perovskite phosphor

		Padmavathi Mahila Visvavidyalayam, Tirupati	
5	International Conference on Science Technology and Applications of Rare Earths (ICSTAR-2024) 21-23 August 2024	Rare-Earth Association of India & The Indian Institute of Metals Trivandrum	Optical analysis of Er^{3+} and Nd^{3+} ions doped zinc tungstate boro phosphate glasses
6	International Conference on Science Technology and Applications of Rare Earths (ICSTAR-2024) 21-23 August 2024	Rare-Earth Association of India & The Indian Institute of Metals Trivandrum	Spectroscopic Properties of Er^{3+} & Nd^{3+} Ions Doped Cadmium Aluminium Fluoro Lead Borate Glasses
7	International Conference on Smart Materials and Advanced Applications 22-23 August 2024	Department of Physics and Chemistry, Govt. Degree College, Mandapat	NIR Emission analysis of Er^{3+} & Nd^{3+} Ions doped Zinc Lithium Tungstate Borophosphate Glasses
8	International Conference on Advances in Physical, Chemical & Mathematical Sciences 13-16 February 2020	Department of Physics, Chemistry, Maths, Statistics, Computer Science & Laxminarayana Institute of Technology, RTM Nagpur University, Nagpur, India	Optical Properties of Glasses
9	International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2018) 23-28 September 2018	Rare Earths Association of India & Indian Institute of Mineral Engineers, Tamil Nadu, Tirupati, India.	Optical analysis of $Er^{3+}$and Nd^{3+} ions doped Cadmium Lead boro aluminum fluoride glasses
10	Seventh South African Conference on Photonic Materials, 27-31 March 2017	Department of Physics of University of Free State, University of Pretoria and Nelson Mandela Metropolitan university, South Africa	Preparation and characterization of $Eu^{3+}$and Tb^{3+} ions doped alkali oxide ($Li_2O/Na_2O/ K_2O$) modified glasses for red and green laser and display device applications.

11	Fourth International conference on Nanostructure Materials and Nanocomposites (ICNM-2017) 10-12 February 2017	Mahatma Gandhi University, Kottayam, Kerela, India.	Structural, Elemental and Optical Properties of RE^{3+}(RE=Eu^{3+}, Tb^{3+}, Sm^{3+}, Dy^{3+}): $Ca_2Gd_2W_3O_{14}$Phosphors
12	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'
13	International Conference o Nanomaterials an Nanotechnology (NANO -2015) 7-10 Dec 2015	K.S. Rangaswamy college of Technology, Tiruchengode, India	Study of photoluminescence properties of $KBaPO_4$:Dy^{3+} phosphors for solid state lighting
14	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 an dysprosium ions doped phosphat based glasses
15	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+} ions doped cadmium aluminum fluoro lead borate glass
16	5^{th} International on Luminescence and its applications (ICLA-2015) 9-12 February 2015	PES Institute of Technology, Bangalore	Dy^{3+}/Tm^{3+} Activated $SrGd_2Si_2O_8$ Phosphor for Solid State Lighting
17	International Seminar on Glasses and Other Functional Materials 11-13 December 2014	Department of Physics Acharya Nagarjuna University, Guntur	Optical characterization of Cu^{2+}: PbO-CdO-AlF_3-B_2O_3 Glasses
18	International Conference on Nano Science & Engineering Applications (ICONSEA-2014) 26-28 June 2014	Department of Physics, Jawaharlal Nehru Technological University, Hyderabad	Synthesis Process and Luminescence Properties of Pr^{3+}: $BaGd_2Ti_4O_{12}$ Ceramics

19	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_2O_3-PbO-CdO glasses
20	International Conference on Electronic Materials August 22-27, 2010	IUMRS KINTEX, Seoul, South Korea	Optical analysis of Sm^{3+}, Dy^{3+}: B_2O_3-TeO_2-CdO-Li_2O glasses
21	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_2O_3-PbO-ZnO glasses
S. No	**Title of Conference / Seminar**	**Organized by**	**Title of the Paper**
85	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and photoluminescence properties of Eu^{3+} ions activated $Mg_2Gd_2W_3O_{14}$ phosphors
84	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Energy Transfer Mechanism and Judd-Ofelt analysis of Er^{3+}/Yb^{3+} Co-Doped Boro-Phosphate Lithium Tungsten Glasses
83	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Spectral Analysis of Dy^{3+} doped magnesium gadolinium tungstate ($Mg_2Gd_2W_3O_{14}$) phosphors

82	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Optical analysis of RE^{3+} (RE= Eu or Tb) ions on doped zinc lead borophospho tellurite glasses
81	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Judd-Ofelt Theory and Spectral Analysis of Nd^{3+}: B_2O_3-P_2O_5-WO_3-Li_2O-($ZnO/CdO/TeO_2$) Glasses for NIR Laser Applications
80	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Optical properties of RE^{3+} (RE= Sm or Dy) ions on doped zinc lead borophospho tellurite glasses
79	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Luminescent properties of Tm^{3+} activated $Mg_2Gd_2W_3O_{14}$ phosphors
78	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Influence of ZnO, CdO, TeO_2 Modifiers on the Tm^{3+} Doped Boro Phosphate Lithium Tungsten Glasses
77	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Synthesis and luminescence characteristics of Tb^{3+} doped $Mg_2Gd_2W_3O_{14}$ phosphors

76	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Spectroscopic properties of Sm^{3+} ions activated $Mg_2Gd_2W_3O_{14}$ phosphors
75	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and Spectroscopic Investigation of Pr^{3+} Doped Boro Phosphate Lithium Tungsten-Based Oxide Glasses for Red Emission Applications
74	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Photoluminescence analysis of Pr^{3+} ions activated $Mg_2Gd_2W_3O_{14}$ Phosphors
73	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Optical Characterization of Er^{3+}-Doped Alkali and Mixed Alkali Boro Phosphate Oxyfluoride Glasses
72	National Conference on Advances in Nanomaterials, Devices and Technologies (NCANDT-2026) 16 March 2026	Department of Physics & Electronics, Government College for Men (A), Kadapa	Spectroscopic Investigation of Nd^{3+}-Doped Alkali and Mixed Alkali Boro Phosphate Oxyfluoride Glasses
71	National Seminar on Emerging Trends and Advances in Multi-Functional Materials (NSETAFM-2025) 20 & 21 March 2025	Department of Physics, University College of Sciences, Acharya Nagarjuna University, Guntur	Spectroscopic investigation of Nd^{3+} doped borophosphate lithium tungstate glasses
70	National Conference on Synthesis of Advanced Materials for Science and	Department of Physics & Electronics, Government College for Men (A), Kadapa	Spectroscopic Investigations on RE^{3+} (RE=Eu and Tb) Ions on doped Zinc Magnesium/Barium/Calcium

	Technology (NCSAMST-2024) 25 November 2024		Boro Phospho Tellurite Glasses
69	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and optical analysis of RE^{3+} (RE= Sm and Dy) Ions doped Zinc Magnesium/Barium/Calcium Boro Phospho Tellurite Glasses
68	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Spectroscopic Investigations on RE^{3+} (RE= Nd and Er) Ions on doped Zinc Magnesium/Barium/Calcium Boro Phospho Tellurite Glasses
67	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Spectroscopic Investigations on Eu^{3+} & Tb^{3+} Ions Activated $MgNb_2Ga_2O_9$ Powder Phosphors
66	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Optical analysis of RE^{3+} (RE=Sm, Dy): $MgNb_2Ga_2O_9$ powder phosphors
65	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and optical properties of RE^{3+} (RE=Pr,Tm): $MgNb_2Ga_2O_9$ powder phosphors
64	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and Optical Properties of Sm^{3+} and Dy^{3+} doped borophospho lithium tungstate tellurite glasses

63	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and Optical Properties of Nd^{3+} and Er^{3+} doped borophospho lithium tungstate tellurite glasses
62	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and Optical Properties of Yb^{3+} doped borophospho lithium tungstate tellurite glasses
61	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Structural and photoluminescence properties of RE^{3+} (RE=Pr,Tm): $MgLa_2V_2O_9$ phosphors
60	National Conference on Synthesis of Advanced Materials for Science and Technology (NCSAMST-2024) 25 November 2024	Department of Physics & Electronics, Government College for Men (A), Kadapa	Optical characterization of rare earth ions (Eu^{3+}, Tb^{3+}, Sm^{3+}, Dy^{3+}, Er^{3+}, Nd^{3+}) doped cadmium aluminum fluoro lead borate glasses for novel, laser and optical fiber applications
59	National Conference on Novel Materials for Sustainable Development 15-16 March 2024	Department of Physics, Govt. Degree College, Porumamilla	Optical Properties of Er^{3+} & Nd^{3+} ions doped Zinc tungstate Borophosphate glasses
58	National Conference on Novel Materials for Sustainable Development 15-16 March 2024	Department of Physics, Govt. Degree College, Porumamilla	Optical analysis of Er^{3+} & Nd^{3+} ions doped Cadmium Aluminum Fluoro Lead Borate glasses
57	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Optical analysis of Sm^{3+}, Dy^{3+} Ions Doped Magnesium Lanthanum Vanadate Phosphors
56	National Conference on Recent Trends in Materials Science	Department of Physics, Govt. College for Men(A), Kadapa	Optical analysis of Eu^{3+}, Tb^{3+} Ions Doped Magnesium Lanthanum Vanadate Phosphors

	(RTMS-2022) 24 September 2022		
55	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Optical properties of Eu^{3+}, Tb^{3+} ions doped tellurite-based glasses
54	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Optical analysis of Sm^{3+} & Dy^{3+} ions doped tellurite-based glasses
53	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 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
52	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Emission analysis of Sm^{3+}, Dy^{3+} Ions Doped Magnesium Calcium Vanadate Phosphors
51	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Emission analysis of Eu^{3+}, Tb^{3+} Ions Doped Magnesium Lanthanum Vanadate Phosphors
50	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Spectral analysis of Eu^{3+} and Tb^{3+} - ions doped $MgLa_2V_2O_9$ phosphors
49	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Optical Properties of Sm^{3+} and Dy^{3+} - ions doped $MgLa_2V_2O_9$ phosphors
48	National Conference on Recent Trends in Materials Science (RTMS-2022) 24 September 2022	Department of Physics, Govt. College for Men(A), Kadapa	Spectroscopic Properties of Eu^{3+}, Tb^{3+} Ions Doped Boro Phospho Tellurite Glasses
47	National Conference on Science, Technology and	Department of Physics, S.V. University, Tirupati	Optical properties of Europium, Terbium ions doped Zinc Tungstate boro phosphate

	Applications of Rare Earths (STAR-2022) 22-23 September 2022		Glasses
46	National Conference on Science, Technology and Applications of Rare Earths (STAR-2022) 22-23 September 2022	Department of Physics, S.V. University, Tirupati	Optical properties of samarium, dysprosium ions doped zinc tungstate boro phosphate glasses
45	National Conference on Recent Trends in Advanced Materials and Characterization (RTAMC-2020) 29-30 January 2020	Department of Physics, VSM College (Autonomous) Ramachandrapuram, East Godavari District, Andhra Pradesh	Optical Properties of Trivalent Thulium ions Doped Silicate Based Powder phosphors
44	National Seminar on Emerging Trends and Advances in Multi Functional Materials (NSETAFM-2019) 10 & 11 December 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
43	National Seminar on Recent Trends in Physics and Electronics, 30 & 31 August 2017	Department of Physics and Electronics, Rayalaseema University, Kurnool, Andhra Pradesh	Spectroscopic properties of Dy^{3+}- doped alkali and mixed alkali boroscilicate glasses
42	National Seminar on Recent Trends in Physics and Electronics, 30 & 31 August 2017	Department of Physics and Electronics, Rayalaseema University, Kurnool, Andhra Pradesh	Spectral analysis of Sm^{3+} and Dy^{3+} ions doped cadmium lead boro aluminum fluoride glasses
41	National Seminar on Recent Trends in Physics and Electronics, 30 & 31 August 2017	Department of Physics and Electronics, Rayalaseema University, Kurnool, Andhra Pradesh	Optical analysis of Eu^{3+}, Tb^{3+} ions doped silicate-based phosphors
40	National Seminar Advanced Trends in Material Science, 10 March 2017	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
39	National Seminar Advanced Trends in	Department of Physics Government College	Structural, elemental and optical properties of RE^{3+}

	Material Science, 10 March 2017	for Men (A), Kadapa, Andhra Pradesh	(RE=Eu^{3+}, Tb^{3+}): strontium yttrium silicate powder phosphors
38	National Workshop on Emerging Trends in Academics and Research (NWETAR-2017) 28th Feb. & 1st March 2017	Yogi Vamana University, Kadapa, Andhra Pradesh	Structural, Elemental and Optical Properties of RE^{3+}(RE=Sm^{3+}, Dy^{3+}): Strontium Yttrium Silicate Powder Phosphors
37	National Conference on Luminescence and its Applications (NCLA-2016) 18-20 February 2016	Department of Physics, Rashtra Sant Tukadoji Maharaj Nagpur University, Nagpur, India	Optical Properties of Ho^{3+} ions doped calcium gadolinium titanate ceramics
36	61st DAE Solid State Physics Symposium 26-30 December 2016	KIIT University, Bhubaneswar	Optical Characterization of Zinc Lithium Bismuth Borate Glasses Doped with Tb^{3+} for Novel Applications
35	National Seminar on New Trends on Advanced Materials (NATM-2015) 27th February 2015	Department of Physics Government College for Men (A), Kadapa, Andhra Pradesh	Optical analysis Tb^{3+}: Magnesium Yttrium Silicate Phosphor
34	National Seminar on Recent Trends in Physics (RTP 2015) 29th March 2015	Department of Physics Y.V. University, Kadapa	Photoluminescence properties of Er^{3+}: magnesium yttrium silicate phosphors
33	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
32	National Conference on Recent Trends In Materials Science (RTMS-2015)1-2 Mar2015	Department of Physics S.V. Degree College Kadapa	Luminescence Properties Of Tm^{3+} Ions Doped Barium Gadolinium Titanate Ceramics
31	National Conference o Recent Trends I Materials Scienc (RTMS-2015) 1-2 Marc 2015	Department of Physics S.V. Degree College Kadapa	A review on RE^{3+} (RE = Sm, Dy, Eu, Tb and Nd) ions doped LCZSFB glasses for fluorescence and high gain laser applications
30	National Conference o Recent Trends I	Department of Physics S.V. Degree College	Luminescence Properties of Ho^{3+} Ions Doped Barium

	Materials Scienc (RTMS-2015) 1-2 Marc 2015	Kadapa	Gadolinium Titanate Ceramics
29	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 Thin films
28	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$Zn_{1-x}Mn_xS$nanocrystalline films
27	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 $Ti_{1-x}Ni_xO_2$ nano-crystalline films
26	National Conference on Recent Trends In Materials Science (RTMS-2015) 1-2 March 2015	Department of Physics S.V. Degree College Kadapa	Mechanoluminescence in $SrGa_2SiO_8$: Dy phosphor
25	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
24	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
23	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
22	National Conference o Recent Trends I Materials Scienc (RTMS-2015) 1-2 Marc 2015	Department of Physics S.V. Degree College Kadapa	Emission analysis of Pr^{3+} ions doped $Ba_3Y_2WO_9$ powder ceramics

21	National Conference o Recent Trends I Materials Scienc (RTMS-2015) 1-2 Marc 2015	Department of Physics, S.V. Degree College, Kadapa	Optical analysis of Tm^{3+} & Ho^{3+}: $Ba_3Y_2WO_9$ ceramics
20	National Conference o Recent Trends I Materials Scienc (RTMS-2015) 1-2 Marc 2015	Department of Physics, S.V. Degree College, Kadapa	Emission analysis of Tb^{3+}: Strontium yttrium tungstate powder ceramics
19	National Conference o Recent Trends I Materials Scienc (RTMS-2015) 1-2 Marc 2015	Department of Physics, S.V. Degree College, Kadapa	Optical characterization of RE^{3+} (RE=Eu, Tb): Borophosphate based glasses
18	National Conference o Recent Trends I Materials Scienc (RTMS-2015) 1-2 Marc 2015	Department of Physics, S.V. Degree College, Kadapa	Emission analysis of Tb^{3+}: Magnesium yttrium silicate powder phosphors
17	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
16	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
15	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+}
14	UGC Sponsored National Seminar on New Trends in Polymer Chemistry and characterization (NTPC 2015) 19 April	Department of Chemistry, S.B.V.R. Degree College, Badvel, Kadapa	Optical Properties of Eu^{3+} doped Poly Methyl Methacrylate (PMMA) Polymer

	2015		
13	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
12	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_2O_3 Glasses
11	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
10	National Conference on Recent Advances in Material Science (NCRAM-2014) 1-2 November 2014	Department of Physics Loyola Degree College Pulivendla	Optical analysis of $MgY_4Si_3O_{13}$: Tb^{3+} Phosphors
9	National conference on Materials for Energy Storage and conversion (NCMESC-2010) Jan 23-24, 2010	Department of Physics, S.V. University, Tirupati	Spectral analysis of Eu^{3+} and Tb^{3+} ions doped Zinc Lead boro Tellurite Glasses
8	National conference on Advances in Nano materials, Devices and Technologies, 11-12 July 2009	Department of Physics, S.V. Degree College, Kadapa	A Potential Red Phosphor $Ca_3Ga_2Si_3O_{12}$ Doped Eu^{3+} ion for Light Emitting Diode Applications
7	National conference on Advances in Nano materials, Devices and Technologies, 11-12 July 2009	Department of Physics, S.V. Degree College, Kadapa	PL analysis of Dy activated $Ca_3Ga_2Si_3O_{12}$ nanocrystalline phosphors
6	National conference on Advances in Nano materials, Devices and Technologies, 11-12 July 2009	Department of Physics, S.V. Degree College, Kadapa	Spectral analysis of RE^{3+}(Eu^{3+}, Tb^{3+}): B_2O_3-TeO_2-Li_2O-AlF_3 Glasses
5	National conference	Department of Physics,	Spectral analysis of RE^{3+}

	on Advances in Nano materials, Devices and Technologies, 11-12 July 2009	S.V. Degree College, Kadapa	(Sm^{3+}, Dy^{3+}): B_2O_3-TeO_2-Li_2O-AlF_3 Glasses
4	National conference on Advances in Nano materials, Devices and Technologies, 11-12 July 2009	Department of Physics, S.V. Degree College, Kadapa	Synthesis and luminescent Properties of Eu^{3+}: Ca_2 Gd_8 $(SiO_4)_6O_2$ Nano Phosphors
3	National conference on Advances in Nano materials, Devices and Technologies, 11-12 July 2009	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
2	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
1	National conference on Novel Materials and Technologies, February 17-18, 2006.	Department of Physics, S.V. University, Tirupati	Optical properties of Cu^{2+}: B_2O_3-(TeO_2/CdO/ZnO) -Li_2O-AlF_3 Glasses

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_lN6cNQFwl-/view?usp=sharing	2021
3.	Physics Paper-VII C	RC Coupled Amplifier	https://drive.google.com/file/d/1lih21DKTttW6LtMnGDxSo-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. DegreeCollege, 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 (three days)	2013
7	Refresher Course in Physics	Department of Physics DRW College, Gudur	04-01-2011 to 06-01-2011 (three 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 (three weeks)	2010
10	Refresher Course in Information Technology	Academic Staff College, S.V. University, Tirupati	22-02-2010 to 13-02-2010 (three weeks)	2010
11	First International workshop on "Frontiers of Atmospheric Physics and Technology	Y.V. University, Kadapa	Feb 20-22 (three days)	2008
12	Refresher Course in Educational Technology	Academic Staff College, S.V. University, Tirupati	12-11-2007 to 01-11-2007, (three weeks)	2007
13	Workshop on "Analytical Instrumental Techniques- Current Trends and Practices"	Regional Research Laboratory, Bhubaneswar & Indian Institute of Metals, Bhubaneswar	20-06-2006 to 23-06-2006 (three days)	2006
14	Refresher Course in Chemical Physics	Department of Physics VR College, Nellore	22-09-2003 to 12-09 -2003 (three weeks)	2003
15	Orientation Programme	Academic Staff College, S.V. University, Tirupati	27-04-1998 to 23-05-1998	1998

XXI: CONFERENCES ORGANIZED: 05 (Five)

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
5. National Conference on "Synthesis of Advanced Materials for Science and Technology" is organized as Convener of Department of Physics & Electronics, Govt. College for Men(A), Kadapa in the year 2024

XXII: MEMBERSHIP OF PROFESSIONAL AND ACADEMIC BODIES

S. No	Fellow/Associate Fellow/ Life Member	Name of the Professional/Academic Bodies
1	Member	The Electrochemical Society, USA
2	Member	The Electrochemical Society, USA
3	Associate Fellow	A.P. Academy of Sciences, Amaravathi
4	Life Member	Indian Physics Association, Bombay
5	Life Member	Indian Laser Association, Indore
6	Life Member	Luminescence Society of India, Baroda
7	Life Member	Indian Association of Physics Teachers, Kanpur
8	Life Member	National Environmental Science Academy, New Delhi
9	Life Member	Rare Earth Association of India, Mumbai
10	Annual Member	DK International Research Foundation, Perambadur

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

XXV: MY SUCCESS STORIES IN DAILY NEWS/NEWS MAGZINES


ఈనాడు కడప

గురువారం 9 ఫిబ్రవరి 2017 16 పేజీలు

గురువారం 9 ఫిబ్రవరి 2017

అంతరాజ్జీయ సదస్సుకు డాక్టర్ సుధాకర్‌రెడ్డి

కడప విద్య, న్యూస్‌టుడే : నగరంలోని శ్రీవేంకటేశ్వర డిగ్రీ కళాశాలలో భౌతికశాస్త్ర విభాగంలో రీడర్ (అసోసియేట్ ప్రొఫెసర్)గా పనిచేస్తున్న డాక్టర్ బి.సుధాకర్‌రెడ్డికి సౌత్ ఆఫ్రికాలోని యూనివర్సిటీ ఆఫ్ ఫ్రీస్టేట్ భౌతికశాస్త్ర విభాగం నిర్వహించే ఫోటానిక్ మెటీరియల్స్ అనే అంశంపై జరిగే అంతర్జాతీయ సదస్సులో పాల్గొనాలని ఆహ్వానం అందింది. ఈ సదస్సులో 'ప్రిపరేషన్ అండ్ క్యారక్టరైజేషన్ ఆఫ్ యూరోపియం, టర్బియం అయాన్స్ డోప్డ్ అల్కలీ ఆక్సైడ్ మాడిఫైడ్ బోరో ఫాస్పేట్ గ్లాసెస్ ఫార్ గ్రీన్ అండ్ రెడ్ లేజర్ డిస్‌ప్లే అప్లికేషన్స్' అనే అంశంపై ఆయన చర్చిస్తారు. ఈ సందర్భంగా డాక్టర్ సుధాకర్‌రెడ్డి మాట్లాడుతూ తాను ఇంతవరకూ దక్షిణ కొరియా, హాంగ్‌కాంగ్, ఫిన్లాండ్, స్వీడన్ దేశాలలో పర్యటించి అక్కడ తాను చేసిన అనేక పరిశోధనల గురించి చర్చించానన్నారు.


సాక్షి 24|7

వైఎస్ఆర్ జిల్లా గురువారం 9-2-2017

అంతర్జాతీయ సదస్సుకు సుధాకర్ రెడ్డి

బి.సుధాకర్‌రెడ్డి

కడప, కోటి నర్మిల్: నగరంలోని శ్రీ వెంకటేశ్వర డిగ్రీ కళాశాలలో భౌతిక శాస్త్ర విభాగంలో అసోసియేట్ ప్రొఫెసర్‌గా పనిచేస్తున్న బి.సుధాకర్‌రెడ్డికి సౌత్ ఆఫ్రికాలో జరిగే అంతర్జాతీయ సదస్సుకు ఆహ్వానం అందింది. సౌత్ ఆఫ్రికాలోని యూనివర్సిటీ ఆఫ్ ఫ్రీస్టేట్ భౌతిక శాస్త్ర విభాగం వారు నిర్వహించే ఫోటానిక్ మెటీరియల్ అనే అంశం మీద జరిగే ఈ సదస్సులో పాల్గొనాలని నిర్వాహకులు ఆహ్వానం పంపించారు. ఈ సదస్సులో 'ప్రిపరేషన్ అండ్ క్యారెక్టరైజేషన్ ఆఫ్ న్యూరోపియన్...' అంశంపై ఆయన ప్రసంగించనున్నారు. ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్, అధ్యాపక బృందం ఆయనను అభినందించారు.

INDIAN EXPRESS

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 (Associate 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.

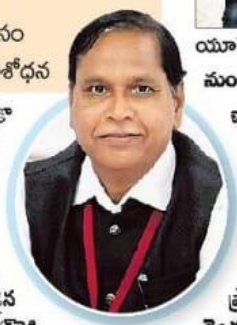
సాక్షి

శభాష్.. ఆచార్యా!

పుస్తకాలు చేతబట్టి పాఠాలు వల్లెవేసిన పల్లెటూరి పిల్లాడు.. నేడు అవే పుస్తకాలు చేత బట్టి విద్యార్థులకు బోధిస్తూ.. తన పరిశోధనలతో దేశ, విదేశాల్లో ఖ్యాతిన ర్జిస్తూ పుట్టినగడ్డకు పేరు ప్రఖ్యాతులు తీసుకు వస్తున్నాడు. తాజాగా రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీలో ఫెలోగా నియమితులు కావడంతో పాటు సంస్థ రాయల్‌సొసైటీ బ్యాడ్జిని అందు కున్నాడు. ఆయనే ఆచార్య సుధాకర్ రెడ్డి.

- కడప ఆచార్యుడు సుధాకర్ రెడ్డికి అరుదైన గౌరవం
- పలు పేటెంట్లు కైవసం
- దేశ, విదేశాల్లో పరిశోధన

యూకే పేటెంట్‌ను నాగ్‌పూర్ ప్రొఫెసర్ దోభ్లే, వైవీయూ ఇన్‌చార్జి వీసీ ఆచార్య కె. కృష్ణారెడ్డి నుంచి అందుకుంటున్న ఆచార్య బుసిరెడ్డి సుధాకర్‌రెడ్డి



డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి

కడప ఎడ్యుకేషన్: చింతకొమ్మదిన్నె మండలం గూడావాండ్లపల్లెకు చెందిన సాధారణ మధ్యతరగతి కుటుంబానికి చెందిన బుసిరెడ్డి మల్లారెడ్డి, మల్లమ్మల కుమారుడైన డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి ప్రాథమిక విద్య బయనపల్లె ఎస్.వి. హైస్కూల్‌లో పూర్తి చేశాడు. అనంతరం డాక్టర్ పండ్రా కోటేశ్వరమ్మ జూనియర్ కళాశాలలో ఇంటర్మీడియట్, ఎస్.వి. డిగ్రీ కళాశాలలో డిగ్రీ, తిరుపతి శ్రీవెంకటేశ్వర విశ్వవిద్యాలయంలో పీజీ, పీహెచ్‌డీ పూర్తిచేశారు. అనంతరం తాను చదివిన ఎస్.వి. డిగ్రీ కళాశాలలోనే అధ్యాపకుడుగా ప్రస్తానం ప్రారంభించారు. ప్రస్తుతం కడప నగరంలోని ప్రభుత్వ పురుషుల కళాశాలలో భౌతికశాస్త్ర ఆచార్యులుగా పనిచేస్తున్నారు.

పరిశోధనల్లో ఘనాపాటి..

డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి పరిశోధన రంగంలో తనదైన శైలిలో దూసుకుపోతున్నాడు. ఇప్పటికే ఆయనకు రెండు యూకే పేటెంట్లు ఉండగా, 75 పైగా అంతర్జాతీయ జర్నల్స్‌లో ఆయన పరిశోధన పత్రాలు ప్రచురితమయ్యాయి. 2008లో రాష్ట్ర ఉత్తమ ఉపాధ్యాయ అవార్డును అందుకున్న ఈయన 2017లో ఉత్తమ శాస్త్రవేత్త పురస్కారాన్ని అందుకున్నాడు. 2018లో ఎన్‌ఈఎస్‌ఏ ఫెలోగా పరిశోధనలో ఎక్స్‌లెన్స్ అవార్డు అందుకున్నాడు. అదే ఏడాది విశిష్ట ప్రొఫెసర్ అవార్డును, 2024లో జాతీయ అధ్యాపక అవార్డును అందుకున్నారు. అదే విధంగా నేషనల్ అసెస్‌మెంట్ అండ్ అక్రిడేషన్ (న్యాక్) కమిటీ మెంబర్‌గా కూడా వ్యవహరించారు. ఏడీ ర్యాకింగ్‌లో ప్రపంచ వ్యాప్తంగా ఉన్న శాస్త్రవేత్తల జాబితాలో భారతదేశం నుంచి ఎంపికైన అతికొద్ది మంది భౌతికశాస్త్రవేత్తలో ఈయన ఒకరుగా నిలిచారు. ఇప్పటివరకు ఈయన 101 జర్నల్స్, 3 పుస్తకాలు, కోట్లాది రూపాయలు విలువ చేసే 6 ప్రాజెక్టులు పూర్తి చేశారు.

రెండు పేటెంట్లు...

'డివైజ్ ఫర్ కంట్రోలింగ్ ది స్టెమ్ బోరర్ ఇన్‌సెక్ట్

2008లో అప్పటి సీఎం వైఎస్ రాజశేఖరరెడ్డి చేతుల మీదుగా ఉత్తమ అధ్యాపక అవార్డు అందుకుంటూ..

ఇన్ క్రాప్ మేనేజ్‌మెంట్'అన్న అంశంపై ఈయన పరిశోధన వ్యాసానికి 2025 జూలై 10వ తేదీన యునైటెడ్ కింగ్‌డమ్‌కు చెందిన కంప్టాలర్ జనరల్‌ఆఫ్ పేటెంట్స్ ఇంటలెక్చువల్ ప్రాపర్టీ వారు పేటెంట్ సర్టిఫికెట్ (పేటెంట్ నెంబర్ 6377539) అందజేశారు. ఈ పరిశోధనల ద్వారా ఎల్‌ఈడీ, నూనెలను ఉపయోగించి కీటకాలను రెండు విధాలుగా ఆకర్షించడానికి వినూత్న పరికరాన్ని రూపొందించారు. అదే విధంగా వేస్ట్ హెచ్‌జీ బేస్ట్ ల్యాంప్స్ కలెక్టింగ్ డివైజ్‌పై చేసిన పరిశోధనకు గాను పేటెంట్ నెంబర్ 6404043ను 2024 నవంబర్ 22న పొందారు.

రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీలో ఫెలోగా..

ప్రపంచవ్యాప్తంగా 50వేల మంది సభ్యులుగా ఉండే రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీలో ఫెలోగా అవకాశం దక్కించుకున్న ఈయన తాజాగా సొసైటీ వారు మెటీరియల్ కెమిస్ట్రీ, ఫిజిక్స్ విభాగాల్లో చేసిన ప్రతిభను గుర్తించి ఎఫ్‌ఆర్‌ఎస్‌సీ (ఫెలో ఆఫ్ ది రాయల్ సొసైటీ ఆఫ్ కెమిస్ట్రీ) అందించారు. దీనికి సంబంధించిన సర్టిఫికెట్‌ను, ఆదే విధంగా ఎంతో ప్రతిష్టాత్మకంగా భావించే 'రాయల్ సొసైటీ బ్యాడ్జి'ను డా. బుసిరెడ్డికి పంపడం విశేషం.

పాఠాలు చెప్పిన అధ్యాపకులకే గైడ్‌గా..

తనకు డిగ్రీలో పాఠాలు చెప్పిన అధ్యాపకులు పి. గిరిధర్, భూషణ్‌రెడ్డిలకు.. తర్వాత కాలంలో ఆయనే వారికి గైడ్‌గా వ్యవహరించి పీహెచ్‌డీలు అందించారు. ఇప్పటి వరకు 8 మంది విద్యార్థులకు పీహెచ్‌డీ గైడ్ వ్యవహరించి వారికి డాక్టరేట్ రావడంతో కృషిచేశారు. ప్రస్తుతం మరో ఇద్దరు పరిశోధకులు ఈయన వద్ద పరిశోధనలు చేస్తున్నారు. 2010లో తొలుత విదేశాల్లో పరిశోధనలు ప్రారంభించిన ఈయన ఇప్పటి వరకు సౌత్‌కొరియా, హాంకాంగ్, స్వీడన్, ఫిన్‌లాండ్, సౌత్ ఆఫ్రికా దేశాల్లో పరిశోధనలు చేశారు.

ఈనాడు

కడప

మంగళవారం 24 జూన్ 2014 16 పేజీలు

దక్షిణ కొరియాలో పరిశోధన వివరాలు వీడియో ద్వారా వివరిస్తున్న డాక్టరు సుధాకర్‌రెడ్డి

ఆచార్యుని కృషి.. ఖండాంతర ఖ్యాతి..

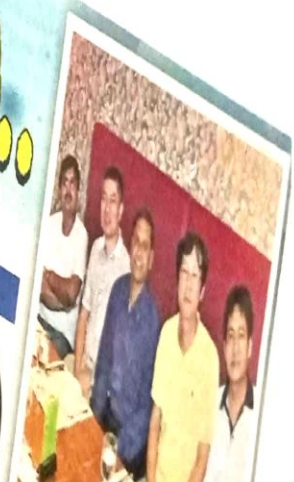
- పరిశోధనలకు దక్షిణకొరియా పయనం
- తక్కువ ఖర్చుతో విద్యుత్తు
- భావితరాల కోసం పరిశోధన
- ఎస్వీడీన్ లీడర్ పరిశోధకులు డా.సుధాకర్‌రెడ్డి ఘనత

అప్పటి రాష్ట్ర ముఖ్యమంత్రి వై.ఎస్. రాజశేఖరరెడ్డి నుంచి రాష్ట్ర ఉత్తమ అధ్యాపకుడుగా పురస్కారం అందుకుంటున్న డాక్టరు సుధాకర్‌రెడ్డి (దాచిన చిత్రం)

గురువుల పీహెచ్‌డీకి గైడుగా...

తక్కువ శక్తితో ఎక్కువ వెలుగులు తెచ్చేందుకు...

- డాక్టర్ వి.సుధాకర్‌రెడ్డి, సహ ఆచార్యులు, శ్రీవెంకటేశ్వర డిగ్రీ కళాశాల, కడప



దక్షిణ కొరియాలో పరిశోధకులతో సుధాకర్‌రెడ్డి

INDIAN EXPRESS

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

THE NEW INDIAN EXPRESS
TIRUPATI • TUESDAY • JULY 16, 2024 • ₹6.00 • PAGES 12 • LATE CITY EDITION

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 inspects. The faculty and staff congratulated Dr Busireddy on the occasion.

ANANTAPUR, TUESDAY, JUNE 24, 2014

THE HINDU

INDIA'S NATIONAL NEWSPAPER SINCE 1878

Regd. TN/ARD/17/2012-2014 • RNI No. 1001/1957 • ISSN 0971 - 751X • Vol. 2 • No. 149 • RAYALASEEMA EDITION • 26 Pages • Rs. 4.00 • www.thehindu.in

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

B. Sudhakar Reddy.

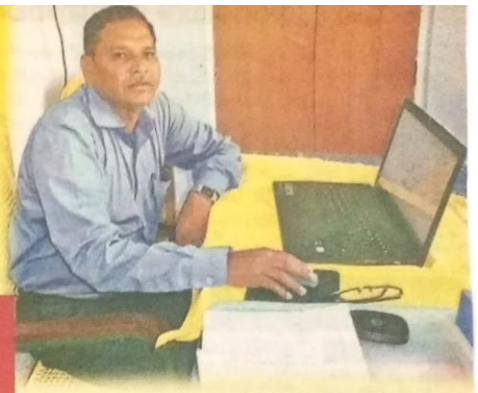
He completed two major projects with UGC funding and another major project under the Council of Scientific and Industrial Research, he said.

✿ 'తక్కువ ఖర్చుతో విద్యుత్తు' అంశంపై పరిశోధన

✿ ఎస్వీడీసీ రీడర్ అసోసియేట్ ప్రొఫెసర్ ఘనత

✿ దక్షిణ ఆఫ్రికా అంతర్జాతీయ సదస్సుకు ఆహ్వానం

పల్లె నుంచి ప్రపంచ దేశాల దాకా..



డాక్టర్ సుధాకర్‌రెడ్డి, రీడర్, అసోసియేట్ ప్రొఫెసర్, ఎస్వీడీసీ

పాఠశాలల్లో చట్టుపక్కల పిల్లలు, ఉపాధ్యాయుల నుంచి భోజనం సర్దుబాటు చేసుకుని కడుపునింపుకొన్న రోజుల నుంచి విశ్వవిద్యాలయ గ్రాంట్స్ కమిషన్ నిధులతో పరిశోధనలకై సగర్వంగా ప్రపంచంలోని ప్రఖ్యాత విశ్వవిద్యాలయాలను అధ్యయనం చేసే దాకా..

కడప విద్య, న్యూస్‌టుడే : ఓ డిగ్రీ కళాశాలలో విద్యనభ్యసించి కాలగమనంలో అదే కళాశాలలో అధ్యాపకుడిగా విధులు నిర్వర్తించడం నుంచి తనకు విద్యబోధించిన ఇద్దరు అధ్యాపకుల పీహెచ్‌డీకి తనే గైడుగా నియమితులయ్యే దాకా.. రాష్ట్ర ఉత్తమ అధ్యాపకుడిగా ప్రభుత్వం నుంచి పురస్కారం అందుకునే దాకా.. సాగిన ఓ అధ్యాపకుడి పయనమిది. 'తక్కువ ఖర్చుతో విద్యుత్తు' అంశంపై ఖండాంతర పరిశోధనల్లో సైతం పాలు పంచుకుంటున్న సుధాకర్‌రెడ్డి విజయగాథ ఇది. కడప జిల్లా కేంద్రం లోని శ్రీవేంకటేశ్వర డిగ్రీ కళాశాల రీడర్, అసోసియేట్ ప్రొఫెసర్ డాక్టర్ సుధాకర్‌రెడ్డి సాధించిన ఘనతలివి.

నేపథ్యమిది : డాక్టర్ సుధాకర్‌రెడ్డి స్వస్థలం చింతకొమ్మదిన్నె మండలం గూడువాండ్లపల్లె. మల్లారెడ్డి, మల్లమ్మలు 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 ఎస్వీ విశ్వవిద్యాలయంలో ఎంఎస్‌సీ భౌతిక శాస్త్రం, ఎంఫిల్, పీహెచ్‌డీ పూర్తి చేశారు. తాను డిగ్రీ పూర్తిచేసిన కడప శ్రీవేంకటేశ్వర డిగ్రీ కళాశాలలోనే 1997 జనవరి 17వ తేదీన భౌతికశాస్త్ర అధ్యాపకుడిగా విధులు ప్రారంభించారు. 2008 ఏప్రిల్ 16వ తేదీన రీడర్ అసోసియేట్ ప్రొఫెసర్ స్థాయికి చేరారు.

సాధించిన అవార్డులు

* 2008 సంవత్సరంలో అప్పటి ముఖ్యమంత్రి వైఎస్ రాజశేఖర్‌రెడ్డి చేతుల మీదుగా రాష్ట్ర ఉత్తమ అధ్యాపకుడిగా పురస్కారం.
* తిరువనంతపురంలోని ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ్ సైన్స్ అండ్ టెక్నాలజీ నిర్వహించిన సదస్సులో ఉత్తమ పరిశోధన పత్రం అవార్డు.
* 2015 సంవత్సరంలో ఏపీ అకాడమీ ఆఫ్ సైన్సెస్ లో అసోసియేట్ ఫెలోగా చోటు.

చదువు నేర్పిన వారికి గైడుగా...

డాక్టర్ సుధాకర్‌రెడ్డి పీహెచ్‌డీ చేసే వారికి పరిశోధన పర్యవేక్షణానికి అర్హులుగా గుర్తిస్తూ యోగి వేమన విశ్వవిద్యాలయం ఉత్తర్వులు జారీ చేసింది. ఈయనకు చదువు నేర్పి ప్రయోజకుడిగా తీర్చిదిద్దిన ఇద్దరు గురువులకు పీహెచ్‌డీ గైడుగా నియమితులయ్యారు. పాఠాలు బోధించిన అధ్యాపకులు గిరిధర్, భూషణ్‌రెడ్డి పీహెచ్‌డీకి గైడుగా పనిచేసే అవకాశాన్ని దక్కించుకున్నారు. వారితో పాటు ప్రస్తుతం కర్నూలు జి. పుల్లారెడ్డి ఇంజినీరింగ్ కళాశాలలో అసిస్టెంట్ ప్రొఫెసర్‌గా పనిచేస్తున్న డాక్టర్ శైలజ, తిరుపతి కేఎంఎం ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ సైన్సెస్‌లో అసిస్టెంట్ ప్రొఫెసర్‌గా ఉన్న డాక్టర్ వేమ శేషనరాజు డాక్టర్ సుధాకర్‌రెడ్డి గైడుగా పీహెచ్‌డీ అవార్డు పొందారు. ప్రస్తుతం ముగ్గురు విద్యార్థులు పరిశోధక విద్యార్థులకు గైడుగా ఉన్నారు.

పరిశోధనలు, పత్ర సమర్పణలు

* 2014 సంవత్సరంలో దక్షిణ కొరియా 'గ్యాంగ్‌జు ఇన్స్టిట్యూట్ ఆఫ్ సైన్స్ అండ్ టెక్నాలజీ'లో 'సమేరియం డైస్ప్రోజియం యూరోపియం టర్బియం ఆయానులను మెగ్నీషియం ఇట్రియం సిలికేట్ పాస్‌ఫార్స్'లో మాడీకరణం చేసినపుడు వాటి వైట్‌లైట్ ఎమిటింగ్ డయోడ్లలో ఉపయోగించే విధానంపై మూడు నెలల పాటు పరిశోధనలు.
* 2015లో స్వీడన్‌లో జరిగిన అంతర్జాతీయ సదస్సులో 'ఎమిషన్ అనాలసిస్ ఆఫ్ యూరోపియం టర్బియం ఆయాన్స్ డోప్డ్ స్ట్రాన్షియం ఇట్రియం సిలికేట్ పాస్‌ఫార్స్ ఫర్ వైట్‌లైట్ ఎంటింగ్ డయోడ్స్' అంశం మీద ప్రసంగం. అక్కడి అధ్యాపకులతో చర్చల్లో భాగస్వామ్యం.
* ఇటీవల కేరళ రాష్ట్రంలో మహాత్మా గాంధీ విశ్వవిద్యాలయంలో 'నానోస్ట్రక్చర్స్, నానో కాంపొజిట్స్' పై జరిగిన సదస్సులో 'ఆప్టికల్ ప్రాపర్టీస్ ఆఫ్ సమ్ రేర్ అర్త్ అయాన్స్ డోప్డ్ కాల్షియం గడలోనియం టంగ్‌స్టేట్ పాస్‌ఫార్స్' అంశం మీద ప్రసంగం.
* 2017 మార్చి 24వ తేదీన దక్షిణ ఫ్రికాలోని యూనివర్శిటీ ఆఫ్ ఫ్రీ స్టేట్ భౌతికశాస్త్ర విభాగం నిర్వహించే 'ఫోటానిక్ మెటీరియల్స్' అంశంపై అంతర్జాతీయ సదస్సులో పాల్గొనాలని ఆహ్వానం.

ప్రయోగాలు నోబెల్ స్థాయికి చేరాలి

డిగ్రీ కళాశాలల్లో మరిన్ని వసతులు సమకూర్చుకోగలిగితే వివిధ పరిశోధక ప్రాజెక్టుల రూపంలో మంచి పరిశోధనలకు అవకాశం ఉంది. తక్కువ ఖర్చుతో విద్యుత్, విద్యుత్ ఆదా అంశంపై పరిశోధనలు చేస్తున్నాను. ఇదే అంశంపై పరిశోధనలు చేసిన ముగ్గురు జపాన్ శాస్త్రవేత్తలు గతేడాది నోబెల్ బహుమతి అందుకున్నారు. మనదేశం ఆ స్థాయికి చేరుకోవాలి. వైట్‌లైట్ ఎంటింగ్ డయోడ్స్ యొక్క క్వాంటం ఎఫిషియన్సీను మనం పెంచగలిగితే ఎక్కువ విద్యుత్‌ను ఆదా చేయవచ్చు. దాని వలన పొదుపు పెరుగుతుంది. తత్ఫలితంగా ప్రభుత్వంపై భారం తగ్గుతుంది.

- డాక్టర్ ఇ. సుధాకర్‌రెడ్డి, అసోసియేట్ ప్రొఫెసర్, రీడర్, ఎస్వీడీసీ

కొరియాలో భౌతికశాస్త్ర అధ్యాపకుడు యంగ్‌దాల్‌తో, పరిశోధక విద్యార్థులతో డాక్టర్

ఈనాడు కడప
శనివారం 18 ఫిబ్రవరి 2017 16 పేజీలు

సాక్షి 24/7 కడప జిల్లా గురువారం 23-3-2017

ఆచార్యుని శోధన..

ఖండాంతర పరిశోధన

వైఎస్ నుంచి 2008లో రాష్ట్ర ఉత్తమ అధ్యాపక అవార్డు అందుకుంటున్న సుధాకర్‌రెడ్డి (ఫైల్)

పుస్తకం చేతపట్టి పాఠాలు వల్లెవేసిన నాటి విద్యార్థే... నేడు అదే పుస్తకాలు చేతబట్టి తన విజ్ఞానాన్ని, విద్యార్థులకు అందిస్తున్నారు.. నాడు పాట్లచేతపట్టుకుని ఏ విద్యాలయంలో విద్యను పొందారో నేడు అదే విద్యాలయంలో తనకు విద్యాబుద్ధులు నేర్పిన గురువులకే గురువుగా (పరిశోధక గైడ్) వ్యవహరించి తన గురువుల రుణం తీర్చుకోవడంతో పాటు తన పరిశోధనా ఫలాలు భవిష్యత్ తరాల వారికి అందించేందుకు తన విజ్ఞానయాత్రను కొనసాగిస్తున్నారు డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి. పరిశోధనలు చేసేందుకు ఆయన దక్షిణాఫ్రికా పయనమయ్యారు. పలువురికి ఆదర్శంగా నిలుస్తున్నారు.

వైవీయూ :

కడపలోని శ్రీవెంకటేశ్వర డిగ్రీ కళాశాలలో భౌతిక శాస్త్ర విభాగంలో రీడర్‌గా పనిచేస్తున్న డా. బుసిరెడ్డి సుధాకర్‌రెడ్డి పరిశోధనలో భాగంగా ఈనెల 24న దక్షిణాఫ్రికా వెళ్లనున్నారు. సదస్సులో 'ప్రిపరేషన్ అండ్ క్యారక్టరైజేషన్ ఆఫ్ యూరోపియం అండ్ టర్బియం అయాన్స్ డోప్డ్ అల్కలీ ఆక్సైడ్ మాడిఫైడ్ బోరో పాస్ఫేట్ గ్లాసెస్ ఫార్ రెడ్ అండ్ గ్రీన్ లేజర్స్ మరియు డిస్‌ప్లే డివైస్ అప్లికేషన్స్' అన్న అంశంపై ఈయన తన పరిశోధన పత్రాన్ని సమర్పించనున్నారు. నేడు ఎంతో ప్రాధాన్యత సంతరించుకుంటున్న లేజర్ పరికరాలను ఆప్టికల్ ఫైబర్స్‌ను తక్కువ ఖర్చుతో రూపొందించడంతో పాటు సమాజానికి ఉపయోగించే వైద్య పరికరాలలో, టెలీ కమ్యూనికేషన్ వ్యవస్థలో ఉపయోగపడేలా ఈయన పరిశోధన ఫలాలు ఉండటం విశేషం.

గ్రామీణ ప్రాంతం నుంచి.. ఖండాంతర ఖ్యాతి..

చింతకొమ్మదిన్నె మండలం గూడవాండ్లపల్లెకు చెందిన మల్లారెడ్డి, మల్లమ్మల కుమారుడైన ఈయన ప్రాథమిక విద్య బయనపల్లె ఎస్.వి. హైస్కూల్‌లో పూర్తిచేశాడు. డా. పంద్రా కోటేశ్వరమ్మ జూనియర్ కళాశాలలో ఇంటర్మీడియట్, ఎస్.వి. డిగ్రీ కళాశాలలో డిగ్రీ, ఎస్.వి. యూనివర్సిటీలో ఎంఎస్సీ భౌతికశాస్త్రం, ఎంఫిల్, పీహెచ్‌డీ పూర్తి చేశారు. 1997లో తాను చదివిన విద్యాసంస్థలోనే అధ్యాపకుడుగా తన ప్రస్థానం ప్రారంభించాడు.

గురువులకు పీహెచ్‌డీ గైడ్‌గా..

డాక్టర్ బుసిరెడ్డి సుధాకర్‌రెడ్డి పీహెచ్‌డీ చేసేవారికి పరిశోధన పర్యవేక్షణకు అర్హులుగా గుర్తిస్తూ యోగివేమన విశ్వవిద్యాలయం ఉత్తర్వులు జారీ చేసింది. ఈయనకు చదువు నేర్పి ప్రయోజకుడిగా తీర్చిదిద్దిన ఇద్దరు గురువులకు పీహెచ్‌డీ గైడ్‌గా నియమితులయ్యే అద్భుతమైన అవకాశం ఈయనకు లభించింది. తనకు పాఠాలు చెప్పిన పి. గిరిధర్, భూషణ్‌రెడ్డిలకు గైడ్‌గా వ్యవహరించాడు. వీరితో పాటు డా. శైలజ, డాక్టర్ వేమన శేషనరాజులు ఈయన పర్యవేక్షణలో డాక్టరేట్ పొందారు.

విదేశాల్లో పరిశోధన..

- 2014లో దక్షిణకొరియాలోని గ్వాంగ్‌జు ఇన్‌స్టిట్యూట్ ఆఫ్ సైన్స్ అండ్ టెక్నాలజీలో సమేరియం డైస్ప్రోజియం యూరోపియం టర్బియం అయానులను మెగ్నీషియం ఇట్రియం సిలికేట్ పాస్ఫోర్స్‌లో మాదీకరణం చేసినప్పుడు వాటి వైట్‌లైట్ ఎమిటింగ్ దయోట్లలో ఉపయోగించే విధానంపై ఈయన పరిశోధనలు చేశారు.
- 2015లో స్వీడన్‌లో జరిగిన అంతర్జాతీయ సదస్సులో ఎమిషన్ అనాలసిస్ ఆఫ్ యూరోపియం టర్బియం అయాన్స్ డోప్డ్ స్ట్రాన్షియం ఇట్రియం సిలికేట్ పాస్ఫార్స్ ఫర్ వైట్‌లైట్ ఎమిటింగ్ డయోడ్స్ అన్న అంశంపై పరిశోధన, పత్ర సమర్పణ.
- 2017 మార్చి 27 నుంచి 31వ తేదీ వరకు దక్షిణాఫ్రికాలోని యూనివర్సిటీ ఆఫ్ ఫ్రీ స్టేట్ భౌతిక శాస్త్ర విభాగం నిర్వహించే ఫొటానిక్ మెటీరియల్స్ అన్న అంశంపై నిర్వహించే అంతర్జాతీయ సదస్సులో పాల్గొననున్నారు.

విద్యార్థులు ప్రయోగాలు, పరిశోధనల గురించి వివరిస్తున్న డా. బుసిరెడ్డి సుధాకర్‌రెడ్డి

సాధించిన ఘనత...

- 2008లో రాష్ట్ర ఉత్తమ అధ్యాపక అవార్డును అప్పటి ముఖ్యమంత్రి డా. వైఎస్. రాజశేఖర రెడ్డి చేతుల మీదుగా అందుకున్నారు.
- యూజీసీ నుంచి కౌన్సిల్ ఆఫ్ సైంటిఫిక్ అండ్ ఇండస్ట్రియల్ రీసెర్చ్ కింద ఒక భారీ తరహా పరిశోధక ప్రాజెక్టును పూర్తి చేశారు.
- 62 పరిశోధక పత్రాలు జాతీయ, అంతర్జాతీయ జర్నల్స్‌లో ప్రచురితమయ్యాయి.
- 59 జాతీయ, అంతర్జాతీయ సదస్సులో పాల్గొని పరిశోధన పత్రాలను సమర్పించారు. ఒక పుస్తకాన్ని సైతం ఆయన వెలువరించారు.
- తిరువనంతపురంలో ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ సైన్స్ అండ్ టెక్నాలజీ నిర్వహించిన ఆప్టికల్ సొసైటీ ఆఫ్ ఇండియా అనే పేరుతో నిర్వహించిన జాతీయ సదస్సులో డా. సుధాకర్‌రెడ్డి సమర్పించిన పరిశోధన పత్రం ఉత్తమ పరిశోధన పత్రంగా ఎంపికై అందరి మన్ననలు పొందింది.

XXIV: REFERENCES

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DECLARATION

I hereby solemnly affirm that all the above details provided are true to the best of my knowledge.

Place : Kadapa
Date : 18.04.2026

(Dr.B.SUDHAKAR REDDY)