

DR. B. RUPA VENKATESWARA RAO



Designation : Assistant Professor (Selection Grade)
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Contact at : S&H-I 309, Department of Physics,
Velagapudi Ramakrishna Siddhartha School of Engineering,
Siddhartha Academy of Higher Education,
Deemed to be University,
Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Physics)

2014, Acharya Nagarjuna University, Guntur

M.Sc (Physics)

2005, University of Madras, Chennai

B.Sc (M.P.C)

2002, Acharya Nagarjuna University, Guntur

Experience

Period	Designation	Institution / Organization	Period
2008-2022	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC)	2008-2022
2005-2008	Assistant Professor	Koneru Lakshmaiah College of Engineering (KLCE)	2005-2008

Research Interests

Broad Area of Research:

Glass Science and Technology, Nano Materials, Phosphors and Material Science

Honors and Awards

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Engineering Physics	UG
2	Applied Physics	UG
3	Physics For Engineers	UG
4	Circuit Theory/Network Analysis	UG

Research Profile

Publications -33

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?user=3xNapvMAAAAJ&hl=en
Scopus	https://www.scopus.com/freelookup/form/author.uri?orcidId=0000-0001-9912-0114
ORCID	https://orcid.org/0000-0001-9912-0114
dblp	-----
Publons	https://publons.com/researcher/1332864/rupa-b/
Research Gate	https://www.researchgate.net/profile/Rupa_V_rao
LinkedIn	https://www.linkedin.com/in/dr-rupa-v-rao-b-b704021a9/

Recognized Research Supervisor

S.No.	Department	University
01.	Physics	Siddhartha Academy of Higher Education

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Physics Lab In-charge	VRSEC	2021-2025	Lab Management, Budgeting and Procurement, Equipment Maintenance, Lab Organization, Curriculum Development, Inventory Management, Record Keeping
2	Course Coordinator	VRSEC	2018-till date	Course Planning, Curriculum Development, Course Materials, Assessment and Evaluation
3	NAAC/NBA Coordinator	VRSEC	2008-till date	Documentation, File Management, Record Keeping and Quality Assurance
4	Curriculum development	VRSEC	2008-till date	Course Structure, Designing Learning Objectives and Content Development
5	AQAR Coordinator	VRSEC	2020-2024	Coordinating Documentation and Dissemination of Information
6	Proctor and Class Teacher	VRSEC	2008-till date	Academic Guidance, Student Tracking, Mentorship, Attendance Monitoring, Behavioural Support, Collaboration with Teachers and Parent-Teacher Meetings
7	Member in Institution Discipline committee	VRSEC	2014-2022	Maintaining Discipline, Investigating Incidents, Decision-Making, Enforcing Rules and Student Support
8	Member in College Annual Day, AFOSEC committee	VRSEC	2008-till date	Event Planning, Coordination, Activity Management and Student Participation

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Inculcating Universal Human Values in Technical Education	AICTE	1Week	2020
2.	Quantum Mechanics	Coursera	4Weeek	2020
3	Semiconductor Physics	Coursera	4Weeek	2020
4.	NEP2020 Orientation & Sensitization Programme	UGC	10Days	2024

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

S.No	Title	Status	Application No.	Year
1.	Self-Assembling Organic Nanomaterials for Targeted Drug Delivery	Published	202341032906A	2023
2.	Decoding of Nanomaterials Statistical tools for XRD and FTIR data interpretation	Published	202541056147A	2025

Ph.D

Awarded	-
Guiding	1

Invited Talks

No. of Invited Talks	-
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Professional Service / Reviewer

- 1 Reviewer, Engineering Physics Journal, Science Publishing Group, New York, USA
- 2 Reviewer in Macromolecular Symposia, WILEY
- 3 Reviewer in Indian Journal of Pure & Applied Physics, CSIR-NISCAIR
- 4 Reviewer in Material Science Research India
- 5 Reviewer in Boson Journal of Modern Physics
- 6 Reviewer in Oriental Journal of Physical Sciences
- 7 Editorial Member in International Journal of Computational Mathematical Ideas

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	10
International / National Level Seminars	10 / 12
International / National Level Conferences	11 / 07
Workshops	18
Instructor Led / Self-Paced Courses	04

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LMB4091	Materials Research Society of India (MRSI)
2.	176249	International Association of Engineers (IAENG)



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