

Dr. M. Durga Bhavani



Designation : Assistant Professor
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Contact at : Department of Chemistry,
 Siddhartha Academy of Higher Education (Deemed to be University), VR Siddhartha School of Engineering,
 Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Physical Chemistry)

Jawaharlal Nehru Technological University, Kakinada

M. Sc. (Industrial Chemistry)

2009, Acharya Nagarjuna University, Guntur.

B. Sc. (Botany, Zoology, chemistry)

2007, Acharya Nagarjuna University, Guntur.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024 to till date	Assistant Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Teaching, research publications, Counselling
2011 - 2024	Assistant Professor	V. R. Siddhartha Engineering College	Teaching, research publications, Counselling
Sep-2010 to Dec-2010	Assistant Professor	Vani Engineering College	Teaching
2009-2010	Lecturer	Sri Chaithanya junior college	Teaching

Research Interests

Broad Area of Research :

Physical chemistry, Ultrasonics

Honors and Awards

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Applied Chemistry	UG
2	Engineering chemistry	UG
3	Chemistry for Engineers	UG
4	Chemistry Lab	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?user=Z5sVYwMAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57208598737
ORCID	https://orcid.org/0000-0002-6616-8346
dblp	-
Publons	-
Research Gate	https://www.researchgate.net/profile/M_Bhavani2/stats/report/weekly/2020-06-07
LinkedIn	https://www.linkedin.com/feed/

Recognized Research Supervisor

S.No.	Department	University

Funded Research Projects

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

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Chemistry for Engineers Course Coordinator	SAHE	2025	
2	Applied Chemistry Course Coordinator	SAHE	2024-Present	
3	NAAC Coordinator	SAHE	2020-Present	
4	IQAC Coordinator	SAHE	2020-Present	
5	NBA Coordinator	SAHE	2020-Present	
6	AQAR Coordinator	SAHE	2020-Present	
7.	ISO Coordinator	VRSEC	2020-2022	

Certifications/MOOC Courses Completed

S.N o.	Title	Platform	Duration	Year
1.	Teaching and Learning in General Programs: TALG	NPTEL	4 Weeks	2023
2.	NEP 2020 orientation and Sensitization programme	NEP 2020	9 Days	2024
3.	Research Methodology in Humanities and Social Sciences	NPTEL	8Weeks	2025
4	Introduction to psychology	Coursera	1 Week	2020

Consultancy / Industry Projects

Completed	-
On-going	-

Applied	-
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Patents

S.No	Title	Status	Application No.	Year
1.	Anovel Nanocellulose and lingnosulphate based adhesive coacervate composition and preparation methods there of	Published	202241049043	2022
2.	Nanochip and biosensor – based precision farming	Published	202341005697	2023
3.	Recyclable and bio derived anode materials for Lithium ion Electric vehicle batteries	Published	202341069358	2024
4.	Innovative Characterization Techniques for Copper Oxide Nanoparticles and Their Practical Uses	Published	202441104655	2025

Ph.D

Awarded	-
Guiding	-

Invited Talks

No. of Invited Talks	-
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Professional Service / Reviewer

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Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	16
International / National Level Seminars	08/30
International / National Level Conferences	09 / 11
Workshops	26
Instructor Led / Self-Paced Courses	4
Webinars	20

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM-309	Life member of Ultrasonic society of India
2.	LM-280	Life member of <i>"The Indian Thermo dynamics society</i>
3.	IASTA-LM-620	Life member of <i>"Indian Aerosol Science and Technology Association</i>

Date: 04-12-2025

(M. DURGA BHAVANI)