

Dr. Ch. Kavitha



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)

2016, Acharya Nagarjuna University, Guntur.

M.Phil ((Physical Chemistry)

2012, Acharya Nagarjuna University, Guntur

M. Sc. (Industrial Chemistry)

2001, Andhra University, Vizag

B. Sc. (Mathematics, Physics and Chemistry)

1999, 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), Vijayawada.	Teaching & Research, Counselling
2006-2024	Assistant Professor	V.R. Siddhartha Engineering college	Teaching & Research, Counselling
2003-2006	Lecturer	SDMSM Kalasala	Teaching
2001-2003	Associate Lecturer	Geethanjali College	Teaching

Research Interests

Broad Area of Research :

Physical chemistry, Ultrasonics

Honors and Awards

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Courses Taught

S.No	Course Name	Level (UG/PG)
1	Physical chemistry	UG
2	Inorganic chemistry	UG
3	Organic Chemistry	UG
4	Engineering chemistry	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?hl=en&pli=1&user=HJjQQiYAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57235030300
ORCID	0000-0002-4091-0821
dblp	-
Publons	-
Research Gate	https://www.researchgate.net/profile/Kavitha_Ch
LinkedIn	-

Recognized Research Supervisor

S.No.	Department	University
01.	Chemistry	Siddhartha Academy of Higher Education (Deemed to be University)

Funded Research Projects

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

Administrative Roles

S.No	Role	Institution	Duration	Responsibilities
1.	NAAC Coordinator	SAHE	2022 – till date	
2.	Admission Committee	SAHE	2022 – till date	
3.	ISO Coordinator	SAHE	2020 - 2022	
4.	Examination Committee	SAHE	2010- till date	
5.	B. Tech. Lab Incharge	SAHE	2020 – till date	
6.	Ph. D programme Coordinator	SAHE	2024 - till date	
7.	Eco club Coordinator	SAHE	2017 – till date	

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Developing Soft skills and Personality	NPTEL	12 weeks	2018
2.	Inculcating Universal Human values in Technical Education	AICTE	5 days	2020
3.	Teaching and Learning in General Programs:TALG	NPTEL	8 weeks	2023
4.	NEP 2020 orientation and Sensitization programme	NEP 2020	9 days	2024
5.	Soft skill Development	NPTEL	12 weeks	2025

Consultancy / Industry Projects

Completed	
On-going	
Applied	

Patents

S.No	Title	Status	Application No.	Year
1.	A novel High Silica glass composition and method thereof	Published	202241042300	2022
2.	Innovative cancer disease analysis via adaptive line graph-based contrastive learning for biomedical interactions	Published	202441064354	2024
3.	Design, Biological Evaluation, and Mechanistic Insights of Novel Pyranochromene-Based Propenones as Anticancer Agents	Published	202541043236	2025
4.	Nano-Enabled Antimicrobial Agents for Targeted Pathogen Neutralization in Healthcare and Agriculture	Published	202541078054	2025

Ph.D

Awarded	--
Guiding	02

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)	20
International / National Level Seminars	12/ 07
International / National Level Conferences	08 / 16
Workshops	15
Instructor Led / Self-Paced Courses	4
Webinars	25

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM-308	Life member of Ultrasonic society of India
2.	LM-276	Life member of <i>“The Indian Thermo dynamics society</i>
3.	IASTA –LM-622	Life member of <i>“Indian Aerosol Science and Technology Association</i>
4.	LMB 4088	Life member of <i>“Materials Research Society of India”</i>

Date: 09-09-2025

(CH.KAVITHA)
