

# Dr. Ch. Kavitha



**Designation** : Assistant Professor (Selection Grade)  
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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
Oct 2025 to till date	Assistant Professor (Selection Grade)	Siddhartha Academy of Higher Education (Deemed to be university), Vijayawada.	Teaching & Research, Counselling
2024 to Sep 2025	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	<a href="https://scholar.google.com/citations?hl=en&amp;pli=1&amp;user=HJjQQiYAAAAJ">https://scholar.google.com/citations?hl=en&amp;pli=1&amp;user=HJjQQiYAAAAJ</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57235030300">https://www.scopus.com/authid/detail.uri?authorId=57235030300</a>
ORCID	0000-0002-4091-0821
dblp	-
Publons	-
Research Gate	<a href="https://www.researchgate.net/profile/Kavitha_Ch">https://www.researchgate.net/profile/Kavitha_Ch</a>
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

6.	The Science of Happiness and Wellbeing	NPTEL	8 weeks	2025
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## 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)	22
International / National Level Seminars	12/ 07

<b>International / National Level Conferences</b>	08 / 16
<b>Workshops</b>	15
<b>Instructor Led / Self-Paced Courses</b>	4
<b>Webinars</b>	25

## Professional Bodies Membership Details

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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: 04-12-2025

(CH.KAVITHA)

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