

# Dr.B.KANNAMBA



**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 (Environmental Chemistry)

2012, National Institute of Technology, Warangal.

### M. Sc. (Inorganic-Instrumental Methods in Chemical Analysis)

2003, Osmania University, Hyderabad.

### B. Sc. (Botany, Zoology and Chemistry)

2021, AcharyaNagarjuna University, Guntur.

## Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024-2025	Assistant Professor	Siddhartha Academy of Higher Education, Kanuru.	Teaching UG, Ph.D. guidance, conducting and publishing original research.
2022– 2023	External Subject Matter Expert	Amazon Academy, Chennai.	Develop and validate accurate, high-quality, and engaging chemical content.
2019 – 2020	Lecturer	PushpalataVidyamandir, Tamilnadu.	Teaching chemistry for JEE and NEET courses
2013 – 2019	Lecturer	Andhra Loyola College, Vijayawada.	Teaching PG, PG projects guidance, conducting and publishing original research. Mentor student, participate in curriculum development.
2009 – 2012	Assistant professor	Guntur Engineering College, Guntur.	Teaching UG, participate in curriculum development.
2003 – 2004	Academic consultant	Osmania University P.G. College, Mirjapur.	Teaching PG and PG projects guidance.

## Research Interests

### Broad Area of Research :

- *Environmental chemistry*: Development of novel methods to purify contaminated water and wastewater.
- *Analytical Chemistry*: Qualitative and quantitative analysis of phytochemicals, bioactive compounds Using HPLC and spectroscopic techniques.
- *Electrochemistry*: Analysis of phytochemical using electrochemical methods.
- *Material science*: Preparation, characterization, and applications of nanoparticles.

## Honors and Awards

- Special appreciation award in research.
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## Courses Taught

S.No	Course Name	Level (UG/PG)
1	Analytical chemistry : Instrumental methods in chemical analysis, Separation Techniques (chromatography), surface Characterization Techniques.	PG
2	Organic chemistry: Organic spectroscopy, Organic reaction intermediates, Organic reaction mechanisms.	PG
3	Physical chemistry: Electrochemistry, polymer chemistry.	PG
4	Inorganic chemistry: Coordination chemistry, Group theory.	PG
5	Engineering chemistry	UG
6	Environmental studies	UG

## Research Profile

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

Google Scholar	<a href="https://scholar.google.co.in/citations?hl=en&amp;user=vNrX-BIAAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=vNrX-BIAAAAJ</a>
Scopus	-
ORCID	-
dblp	-
Publons	-
Research Gate	-
LinkedIn	-

## Recognized Research Supervisor

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

## Funded Research Projects

S. No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
1	Funded	Qualitative and quantitative analysis of bioactive compounds from rare medicinal plants	Completed	UGC	250000	3 Years

## Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
-	-	-	-	-

## Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
-	-	-	-	-

## Consultancy / Industry Projects

Completed	-
On-going	-
Applied	01

## Patents

S.No	Title	Status	Application No.	Year
1.	-	-	-	-

## Ph.D

Awarded	-
Guiding	01

## 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)	3
International / National Level Seminars	2/ 15
International / National Level Conferences	4 / 4
Workshops	6
Instructor Led / Self-Paced Courses	-
Webinars	-

## Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	34306787	Regular Member of ACS

Date: 09-09-2025

(B.KANNAMBA)

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