

Dr. S. Srinivasa Rao



Designation : Associate Professor & HOD
E-Mail ID : ssraochemistry@gmail.com, ssrao@vsiddhartha.ac.in
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 (Chemistry)

2012, National Institute of Technology Warangal (NITW), Warangal

M.Sc (Industry-Oriented Chemistry)

2000, Regional Engineering College Warangal (RECW), Warangal

B.Sc (M.P.C.)

1998, Nagarjuna University, Guntur District, Andhra Pradesh

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024 to till date	Associate Professor	Siddhartha Academy of Higher Education (Deemed to be University)	HOD, Teaching& Research
2018-2024	Associate Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Teaching& Research
2001-2018	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Teaching& Research
2000-2001	Lecturer	K. B. N. Degree College	

Research Interests

Broad Area of Research :

Corrosion and its control, Corrosion inhibitors, Water quality analysis

Honors and Awards

- Chukkapalli Pitchiah Memorial '**Best Teacher Award**' for the year 2017 received from Siddhartha Academy of General & Technical Education, Vijayawada, on 1st February 2018.
- **Second Prize in Best Paper Awards** for the paper entitled, "*Synergistic effect of ascorbate in combination with 2-phosphonobutane-1,2,4-tricarboxylic acid and Zn²⁺ for corrosion control of carbon steel*", presented at Fourteenth National Congress on Corrosion Control (NCCC-14) organized by National Corrosion Council of India (NCCI), CECRI, Karaikudi, at Hotel Green Park, Hyderabad, 18-20 September 2008.
- **First Prize in Best Paper Awards** for the paper entitled, "*A new eco-friendly ternary inhibitor formulation based on phosphonate for corrosion inhibition of carbon steel*", presented at National Conference on Corrosion Assessment and its Control (NCAC 09) organized by National Corrosion Council of India (NCCI), CECRI, Karaikudi at Thiagarajar College of Engineering, Madurai, 21-22 December 2009.
- **Best Oral Presentation Award** for the paper entitled, "*Electrochemical and surface analytical studies of phosphonate based protective films for corrosion control of carbon steel*", presented at International Conference on Frontiers in Materials Science for Energy and Environment (ICFMS-2012) organized by Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai, 11-13 January 2012.
- **Best Presentation Award** for the paper entitled, "*Inhibitive effect of phosphonate-based surface film on corrosion of carbon steel in low chloride environment*", presented at National Conference on Corrosion, Surface Engineering and Tribology (CST-2013) organized by Centre of Excellence in Corrosion and Surface Engineering (CECASE), National Institute of Technology Tiruchirappalli, 22-23 April 2013.
- **Best Paper Award** for the paper entitled, "*Evaluation of protective nature of a phosphonate-based surface film against corrosion of carbon steel*", International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials (ACECIM'14), SRM University, Ramapuram Campus, Chennai, 13-14 March 2014.
- **Best Paper Award** for the paper entitled, "*Role of folic acid as a synergist to a phosphonate-based inhibitor formulation for corrosion control of carbon steel*", presented at Third National Conference on Advances in Chemistry (NCAC-2015), organized by Department of Chemistry, Easwari Engineering College, Chennai, 18th February 2015.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Engineering Chemistry	UG
2	Universal Human Values	UG
3	Essence of Indian Knowledge Tradition	UG
4	Yoga and Meditation	UG
5	Industrial 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&user=-BVP9hEAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57212588596
ORCID	https://orcid.org/0000-0001-7567-3494
dblp	-
Publons	-
Research Gate	-
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
01.	Govt. Funded	Protection of reinforcement steel from corrosion using phosphante based formulations	Completed	DST-SERB (EMR)	41.81 Lakhs	3 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	HOD, Chemistry	SAHE	June 2022- Present	Administrative Duties at the department level, Research publications, UHV University Coordinator, EIKT Coordinator

Certifications/MOOC Courses Completed

S. No.	Title	Platform	Duration	Year
1.	P.G. Diploma in Chemical Analysis and Quality Management (PGDCAQM)	University of Hyderabad, (Distance Education)	1 year	August 2010
2.	Outcome based Pedagogic Principles for Effective Teaching	NPTEL	4 weeks	April 2017
3.	Enhancing Soft Skills and Personality	NPTEL	8 weeks	April 2017
4.	Developing Soft Skills and Personality	NPTEL	8 weeks	October 2017
5.	Effective Engineering Teaching in Practice	NPTEL	4 weeks	April 2018
6.	Educational Leadership	NPTEL	8 weeks	October 2018
7.	Online Refresher Course in Chemistry for Higher Education Faculty	SWAYAM – ARPIT	16 weeks	April 2019
8.	Electrochemical Impedance Spectroscopy	NPTEL	12 weeks	May 2019
9.	Introductory Organic Chemistry I	NPTEL	8 weeks	Nov., 2019

10.	Assessment of Practical and Social Skills in Higher Education	SWAYAM – ARPIT	10 weeks	Feb., 2020
11.	Refresher Course on Concerns in Educational Research and Assessment	SWAYAM – ARPIT	15 weeks	Feb., 2020
12.	Learning How to Learn	Coursera	4 weeks	April 2020
13.	Meditation: A way to achieve your goals in your life	Coursera	6 weeks	May 2020
14.	Advanced Chemistry	Coursera	5 weeks	June 2020
15.	UHV Introductory workshop (online)	AICTE	5 days	July 2020
16.	Environmental Soil Chemistry	NPTEL	12 weeks	Dec., 2020
17.	UHV Refresher Part-I (online)	AICTE	5 days	Dec., 2020
18.	UHV Refresher Part-II (online)	AICTE	6 days	January 2022
19.	Yoga Teacher Training Course (TTC200) (Mixed mode)	Heartfulness Yoga Academy	8 weeks	Dec., 2022
20.	Teaching and Learning in General Programs (TALG)	NPTEL	4 weeks	Sept., 2023
21.	NEP 2020 Orientation and	MM-TTP, UGC	10 days	March 2024

	Sensitisation Programme (online)			
--	----------------------------------	--	--	--

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

S.No	Title	Status	Application No.	Year

Ph.D

Awarded	00
Guiding	02

Invited Talks

No. of Invited Talks	02
----------------------	----

Professional Service / Reviewer

- Reviewer in "Arabian Journal of Chemistry" and "Dyes and Pigments" , Elsevier.

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	04
International / National Level Seminars	05 / 06
International / National Level Conferences	07 / 13
Workshops	03
Instructor Led / Self-Paced Courses	13
Webinars	02

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM:705	Association of Chemistry Teachers (ACT)
2.	Fellow-FC-011	International Science Community Association (ISCA)
3.	LMB1599	Materials Research Society of India (MRSI)

Date: 09-09-2025

(S. SRINIVASA RAO)
