

FACULTY PROFILE

Name of the Faculty:		Dr N Srinivasa Rao				
Designation:		Assistant Professor				
Department:		Chemistry				
Date of Birth:		15-07-1979				
AICTE – ID:	1-431095803					
Education		- B.Sc in chemistry from Acharya Nagarjuna University in 2000 - M.Sc in Organic chemistry from Barkatullah University in 2002 - PhD in Organic chemistry from Dr Harisingh Gour University in 2007				
Experience	Teaching: 16 Years	Industry: 06 Years	Total: 22 Years			
	Research: 20 Years	Others:				
Research Specialization		Organic chemistry				
Courses taught	1. Engineering chemistry 2. Organic spectroscopy 3. Advanced organic chemistry 4. Techniques for modern industrial applications					
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Synthesis and antimicrobial activity of 1-(Phenyl-3-(4'-chloro phenyl)- 5- (aryl substituted)-2-pyrazoline	Asian journal of Chemistry	2004	16(3)	1959	Scopus
2	Synthesis and antimicrobial activity of Bis [2-(submitted phenyl)-5-carboxy methyl-4-Thizolodinone] derivatives of dapsone	Asian journal of Chemistry	2004	16(3),	1961	Scopus

3	Synthesis and biologically activity of 1-(2', 4' dinitro phenyl)-3-(4'-chloro pheny) –5-(aryl substituted)-2-pyrazolines	Journal of Institution of chemists	2004	76	107-108	Google Scholar
4	Synthesis and Antimicrobial activity of 2,3-(Substituted phenyl) Pyrazine Dicarboxamide	Asian journal of Chemistry	2007	19(1)	821-822	Scopus
5	Synthesis and antimicrobial activity of some 1,4-dihydropyridines derivatives	Scientific Reviews & Chemical Communications	2013	3(3)	141-149	Google Scholar
6	Synthesis, characterization and pharmacological evaluation of some 1,4- dihydropyridines derivatives	Indian Council of Chemist	2015	7(10)	982-987	Google Scholar
7	Development and validation of a stability indicating related substances of baricitinib by RP-HPLC and its degradation'	International Journal of Management and Humanities	2019	4(2)	4-9	Google Scholar
8	Antimicrobial activity of benzimidazoles derivatives	International Journal of Management and Humanities	2010	4 (11)	23-27	Google Scholar
9	Cobalt-catalyzed domino C-N cross-coupling reaction between phenyl(2-halo)isothiourea and aryl halide	Phosphorus, Sulfur, and Silicon and the Related Elements	2021	196	559-568	SCI
10	One–pot synthesis of Benzimidazoles by using Metal sulfide Nanoparticles	Science Spectrum	2022	07	65-69	
11	Antidiabetic and antioxidant activities of synthetic 2-styrylchromones	<i>Biorg. Med. Chem</i>	2025	08	1-9	Google Scholar
12	Wearable iot device for automated drug delivery using adaptive machine learning models	International Journal of Drug Delivery Technology	2026	16	716-724	Scopus

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	One-Pot Synthesis of Benzimidazoles by using Sulfide Zinc, Cadmium and Mercury Nanoparticles	Advanced Research Trends in Chemistry	Bright sky publications	2024
2	Isolation,	Advanced Research	Bright sky	2025

	Characterization and Biological Activity Studies of New Flavones from <i>Grangea maderaspatana</i>	Trends in Chemistry	publications	
Details of Patents (Filed & Granted)				
S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	202321064055	Reversible Click Chemistry Reactions for Dynamic Nanostructured Material Synthesis	24/092023	Published
Details of Conferences/FDPs/STTPs/webinars/Workshops Organized				
S.No.	Name of the event	Role	Dates	
1	NationalConference on Synergies in Chemistry, material science and quantumcomputers-2024 (SCMQ-2024)	Programme co-ordinators	29-31st January, 2024	
Details of Conferences/FDPs/STTPs/webinars/Workshops Participated				
S.No.	Name of the event	Organized by	Dates	
1.	Enhancing Research Visibility and the Use of ORCID, Central University of Himachal Pradesh, December-2025	Central University of Himachal Pradesh,	27 December-2025	
2.	Futuristic trends of language and literature: Impact on 21 st centurylearners, ,	Digi Skill Development Centre & Training Institute, Mumbai	27 to29 December-2025.	
3.	Faculty Development Programme on "Emotional and Social Intelligence,.,	Dr.S.Rashakrishnan College of Education Chiksia,Chas,Bokaro, Jharkhand	16 to25th December 2025	
4.	Workshop on Panch Kosh: Theory to Practice Application in Teaching,.,	Guru Kashi University, Sardulgarh Road, Talwandi Sabo, Punjab	16thJanuary 2026	
5.	Online Workshop on “Emerging AI Tools for Academic Excellence” organized by Institution’s Innovation Council (IIC) in collaboration with Entrepreneurship Development Cell (EDC	Sanatan Dharma College, Ambala Cantt., Haryana	January 31, 2026.	
Awards/recognitions/achievements				
S.No.	Name of the Award	Awarding body/Society/Organization	Year	

1	Department best teacher award	Bapatla Engineering college	2021
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Student Project/research guidance

S.No	Level	Total number
1	UG	Completed: Ongoing:
2	PG	Completed: 06 Ongoing:
3	PhD	Completed: Ongoing:

Administrative experience

S.No.	Role	Duration (From – to)
1.	I B.Tech class Coordinator	2010-2026
2.	Squad Member	2020-2022
3.	Time table incharge	2021-2023
4.	Squad Member	2020-2022
5.	Dept. NAAC/NBA Coordinator	2016-2021
6.	Question paper setting	2021-2023

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/scholar?hl=hi&as_sdt=0%2C5&q=Nathani+srinivasa+rao&btnG=
SCOPUS	
Web of Science	HHY-8050-2022
Vidwan ID	144426

(Dr N.Srinivasa Rao)
(17-08-2026)