

Name: **Dr. NARRA. SIVAKRISHNA**

Designation: Assistant. Professor

Department: Humanities and Sciences (Chemistry)

Mail I'd: sivakrishna_n@vnrvjiet.in

Experience (in years): **10** Teaching: **3** Research: **7** Others (if any, specify):



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D. from IISc, Bangaluru, KA, India	2017	Chemical Sciences
2.	MSc from ANU, Guntur, AP, India	2007	Organic Chemistry
3.	BSc from ANU, Guntur, AP, India	2005	M.P.C

2. Teaching and Learning:

2.1. Teaching Interests:

Engineering Chemistry, Organic Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Chemical Biology, Instrumentation Methods for Chemical Analysis, and Nanotechnology.

2.2. Novel Teaching & Learning Techniques adopted:

- Chemistry Teaching Plan with an Inter-disciplinary Approach.
- Modern Class Room Technology.

2.3. Involvement in curriculum updating / Design: Yes

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading Books, Playing Volleyball, and Chess

3.2. CCA/ECA Organized: Yes

3.3. CCA/ECA participated: Yes

3.4. Counseling and Mentoring Activity: Yes

3.5. Committees involved in:

Department level: Member in Research Activities Team at School of Sciences, NIT Andhra Pradesh.

Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures :

4.1. Conducted:

1. Organized as a Departmental Committee Member in the Faculty Development Programme (FDP) on Advances and Challenges in Chemical Science at Department of Chemistry, NIT Andhra Pradesh. (September 2021)

2. Organized as an Organizing Committee Member in the International Conference on Advances in Chemical Sciences and Technologies at Department of Chemistry, NIT Warangal. (September 2019)

4.2. Attended:

1. Attended an Invited Lecture on National Education Policy (NEP 2020)-inspired “New World Order- Post Covid Education in Particular” by Shri. Ram Madhav, NIT Andhra Pradesh. (December 2021)

2. Attended a National Conclave (Webinar) on Strategies for Implementation of National Education Policy (NEP 2020) in NITs, NIT Andhra Pradesh. (October 2021)

3. Attended a webinar on Combat with COVID-19: Challenges and Future Prospects in Indian Perspectives organized by the Chemistry division, School of Advanced Sciences (SAS), VIT Chennai. (July 2020)
4. Participated in Faculty Development Programme (FDP) on Effective Teaching and Evaluation Methods in Engineering Education at National Institute of Technology, Warangal, India. (August 2019).
5. Participated and supervised the teachers to conduct experiments in Science Academies Refresher Course on Advances in Molecular Biology at Indian Institute of Science, Bangalore, India. (February 2019).
6. Participated and presented a poster in Indo-German Conference held on Bio-Inspired Chemistry at Indian Institute of Science, Bangalore, India. (September 2014).
7. Participated in National symposium on Frontiers in Main Group and Organometallic Chemistry at Indian Institute of Science, Bangalore, India. (November 2010)
8. Participated in Symposium on Modern Trends in Inorganic Chemistry (MTIC) at Indian Institute of Science, Bangalore, India. (December 2009)
9. Participated in National Seminar on Modern Trends in Chemistry at Hindu college, Guntur, India. (February 2007)

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

1. "Nucleic acid constituents based metal complexes for an efficient treatment of cancer", Department of chemistry, Hindu College, Guntur, India.
2. "A therapeutic approach to overcome drug resistance in cancer" Department of chemistry, Dnyanprassarak Mandal's College and Research Centre, Assagao, Bardez-Goa, India.
3. "Role of Metal in Structure and Function of Nucleic acids" Department of chemistry, Dnyanprassarak Mandal's College and Research Centre, Assagao, Bardez-Goa, India

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: 3 b) PG: 1

5.5. Research Interests: Anticancer Research, Chemical Biology, Medicinal Chemistry, Bioinorganic Chemistry, X-ray Crystallography, MOFs for an Energy Applications and Nano Medicines.

5.6. Ph.D students:

a) Enrolled: Nil b) Submitted: Nil c) Awarded: Nil

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Triarylborane- triphenylamine Based luminophore for the mitochondria targeted live cell imaging and colorimetric detection of aqueous fluoride	Dalton Transactions, 2022,51, 15339-15353	ISSN 1477-9234	4.569	International
2	Metal-Free Synthesis and Single Crystal X-Ray Analysis of 4-Aryl-	Journal of Molecular Structure, 2021, (1230), 129913.	ISSN No: 00222860	3.19	International

	6-hydroxy-2H-Pyran2-cyanomethylenes				
3	Aggregation-Induced and Polymorphism-Dependent Thermally Activated Delayed Fluorescence (TADF) Characteristics of an Oligothiophene: Applications in Time-Dependent Live Cell Multicolour Imaging	Chem Asian J, 2019, 14(24), 4588-4593.	ISSN No: 9707077	4.57	International
4	Synthesis, cytotoxicity and antioxidant activity of azolyl benzothiazine carboxamides	Research on Chemical Intermediates,2019,45, 3053-	ISSN No: 1568-5675	2.91	International
5	Stimuli-responsive colorimetric and NIR fluorescence combination probe for selective reporting of cellular hydrogen peroxide	Chem.Sci, 2016, 7, 1-10	ISSN No:2041-6520	9.82	International
6	Synthesis, antioxidant and cytotoxic activities of bis (oxazolyl/thiazolyl/imidazolyl) amidomethanesulfonyl Acetamides	Med. Chem. Res,2015,24,86-89	ISSN No: 1054-2523	1.96	International
7	Epithelial atrophy in oral submucous fibrosis is mediated by copper (II) and arecoline of areca nut	J. Cell. Mol. Med, 2015, 19, 2397-2412	ISSN No: 1582-4934	5.31	International
8	Synthesis, antimicrobial and cytotoxic activities of pyrimidinyl benzoxazole, benzothiazole and benzimidazole	Eur. J. Med. Chem, 2014, 77, 1-7	ISSN No: 0009-4374	6.51	International
9	Synthesis, antioxidant and cytotoxic activities of N-Azole substituted thiomorpholine derivatives	Arch. Pharm. Chem. Life Sci, 2014, 347, 221-228	ISSN No: 0365-6233	3.75	International
10	Synthesis, Antimicrobial and Cytotoxic Activities of Sulfonamidomethane Linked Heterocycles	Chem. Pharm. Bull, 2013, 61(7), 722-730	ISSN No:00092363	1.64	International
11	Activation of TGF- β Pathway by Areca Nut Constituents: A Possible Cause of Oral Submucous Fibrosis	PLOS ONE, 2012, 7(12), e51806	ISSN No:1932-6203	3.24	International
12	Caryophyllene-rich essential oil of Didymocarpus tomentosa: Chemical composition and cytotoxicity activity	Nat. Prod. Commun, 2012, 7(11), 1535-1538	ISSN No:15559475	0.98	International

13	Synthesis, antimicrobial and cytotoxic activities of sulfone linked bis heterocycles	Eur. J. Med. Chem, 2012, 54, 605-614	ISSN No: 0009-4374	6.51	International
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5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Nil	-----	-----	
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
	Nil	-----	-----	-----	

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
	Nil	-----	-----	-----	-----

6. Awards / Honors received:

- Awarded SENIOR RESEARCH FELLOWSHIP from University Grants Commission- Council of Scientific & Industrial Research, India, in 2011
- Awarded JUNIOR RESEARCH FELLOWSHIP upon qualifying the National Entrance Test conducted by University Grants Commission-Council of Scientific & Industrial Research, India, in 2009.
- Awarded Lectureship upon qualifying the National Entrance Test conducted by University Grants Commission-Council of Scientific & Industrial Research, India, in 2007

7. Motto: Easy is not an option!