CURRICULUM VITAE of

Dr. P.SARITHA REDDY

Associate Professor, Department of Chemistry Osmania University

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Name	:	Dr. P. SARITHA REDDY
Father's Name	:	Mr. P.Upender reddy
Mother's Name	:	Mrs. P.Sulochana
Address	:	2 / B , P.S.Nagar Colony Near Masab Tank Hyderabad-500057
Academic Qualifications	:	M.Sc., Ph.D
Designation	:	Associate Professor in Chemistry
Place of work	:	Department of Chemistry University College of science, Osmania University

Academic Record

Course	Class obtained	Year	School/College	%
SSC	Ι	1985	St. Anns school, Hyd	78.5
INTERMEDIATE	Ι	1987	St.Francis College, Hyd	76.7
B.Sc	Ι	1991	St. Anns College for	85
			Women, Hyd	
M.Sc.	Ι	1993	Osmania University	67.6
Ph.D.		2001	Osmania University	

Specialization	:	: Inorganic Chemistry	
Teaching Experience	:	25 years	
Ph.D. Topic	:	Structural studies on Tra	

: Structural studies on Transition metal complexes derived from multidentate ligands containing oxygen , nitrogen donor systems.

RESEARCH ACTIVITIES

Research Experience

: 28 years

(a) PUBLICATIONS

S.No.	Journal	Authors	Main author/co- author	Title of the article	Impact factor
1.	Applied Organometallic Chemistry 2022, 36 (10): e6839. DOI :10.1002/aoc.6839	Sravanthi Maddikayala Kavitha Bengi, Saritha Reddy Pulimamidi	Correspond ing author & supervisor	DNA interaction, molecular dynamics simulation, molecular docking, biological, in vivo anti- inflammatory and thermal studies of o-hydroxyacetophenone and 2- fluoroaniline Schiff base complexes.	4.01
2.	Applied Organometallic Chemistry 2022, 36(3): e6531 . DOI : 10.1002/aoc.6531	Kavitha Bengi Sravanthi Maddikayala Saritha Reddy Pulimamidi	Correspond ing author & supervisor	DNA binding, cleavage, molecular docking, antimicrobial and anticancer activities of Cr(III), Fe(III),Co(II) and Cu(II) complexes of o-vanillin and fluorobenzamine Schiff base ligand	4.01
3.	Applied Organometallic Chemistry 2021,36 (1) : e 6451, DOI: 10.1002/ aoc.6451	Kavitha Bengi Sravanthi Maddikayala Saritha Reddy Pulimamidi	Correspond ing author & supervisor	DNA binding, cleavage, docking, biological and kinetic studies of Cr(III), Fe(III),Co(II),and Cu(II) complexes with ortho-vanillin Schiff base derivative	4.01
4.	Applied Organometallic Chemistry 2021,35(2): e6085. DOI: 10.1002/aoc.6085	Kavitha Bengi Sravanthi Maddikayala Saritha Reddy Pulimamidi	Correspond ing author & supervisor	Biological evaluation, molecular docking, DNA interaction and thermal studies of new bioactive metal complexes of 2- Hydroxybenzaldehyde and fluorobenzamine Schiff base ligand	4.01
5.	International journal of Pharmaceutical Sciences and Research 2019, 10(11), 5194- 5202.	Pulimamidi Saritha Reddy	Main author	Co(II), Ni(II), Cu(II) complexes of sulphur containing Schiff base ligand- synthesis, spectroscopic, molecular modeling and antimicrobial studies	

6.	Journal of Molecular Structure 1185 , 2019, 153-167. DOI: 10.1016/j.mol struc.2019.02.093	B. Kavitha M.Sravanthi P.Saritha Reddy	Correspond ing author & supervisor	DNA interaction docking, molecular modeling and biological studies of <i>o</i> -Vanillin derived Schiff base metal complexes	3.841
7.	International Research Journal of Pharmacy 2019,10(3), 215-220. DOI: 10.7897/2230- 8407.1003107	M.Sravanthi B.Kavitha P.Saritha Reddy	Correspond ing author & supervisor	Green route for efficient synthesis of biologically active Schiff base ligand derived from 2- hydroxyacetophenone: Structural,spectroscopic,Antimicr obial and Molecular modelling studies.	0.765
8.	International Research Journal of Pharmacy 2019,10(1), 151-157. DOI: 10.7897/2230- 8407.100125	B. Kavitha M.Sravanthi P.Saritha Reddy	Correspond ing author & supervisor	Synthesis,Spectroscopic, molecular modeling and Antimicrobial studies of Fluorine containing Schiff base	0.765
9.	Journal of Chemical and Pharmaceutical Research 8(4) April 2016, 74-79	Pulimamidi Saritha Reddy	Main author	Synthesis,Structural,Spectroscopic Anti microbial and Molecular modeling studies of a bis- chelating sulphur containing Schiff base ligand	0.335
10.	Chinese Journal of Chemistry 30, 2012, 935-940	P.V.Anantha Lakshmi T.Satyanarayana P.Saritha reddy	Co-author	Synthesis, Characterization and Antimicrobial Activity of Oxovanadium(IV) Complexes of SchiffBaseHydrazones containing Quinoxaline Moiety	6.00
11.	Journal of Chemistry 2011, 8(1), 415- 420 https://doi.org/10. 1155/2011/536269	P.Saritha Reddy P.V.Anantha Lakshmi V.Jayatyagaraju	Main author	Synthesis and structural studies of first row transition metal complexes with tetradentate ONNO Schiff base with 5-Acetyl 2,4 - dihydroxy acetophenone and ethylenediamine	3.241
12.	International Journal of ChemTech Research 2 (3), 2010, 1494-1500.	P.Saritha Reddy P.V.Anantha Lakshmi V.Jayatyagaraju	Main author	Synthesis and structural studies of first row transition metal complexes with pentadentate ONNNO donor schiff base as ligand	0.276
13.	Spectrochimica Acta Part A 74, 2009 52-57	P.V.Anantha Lakshmi P. Saritha Reddy V. Jayatyagaraju	Co-author	Synthesis, characterization and antimicrobial activity of 3d transition metal complexes of a biambidentate ligand containing quinoxaline moiety.	4.098

14.	Bull.Chem.Soc.Ethiop 22(3), 2008,385-390	P.V.Anantha Lakshmi P. Saritha Reddy V. Jayatyagaraju	Co-author	Synthesis and Structural studies of first row transition metal complexes of N-(2-nitro)- benzilidene-3- hydrazinoQuinoxaline-2-one.	1.33
15.	Acta Ciencia Indica Vol.XXXIIC,3,2006. 311	P.Saritha Reddy B.Satyanarayana V.Jayatyagaraju	Main author	Synthesis and structural studies on the transition metal complexes of 5-acetyl 2,4 dihydroxy acetophenone thiosemicarbazone.	
16.	J.Indian Chem. Soc., Vol.83,2006, 1204-1207	P.Saritha Reddy B.Satyanarayana V.Jayatyagaraju	Main author	Synthesis and structural studies on divalent transition metal complexes of 5-acetyl 2,4 – dihydroxyacetophenone semicarbazone	0.284
17.	Indian Journal of Chemistry Vol 43 A, 2004	Saritha reddy Susheela Jayatyagaraju	Main author	Synthesis and structural studies on the metal complexes of a bis- chelating ligand exhibiting mixed denticities	0.412

(b) Ph.D. Supervision

Ph.Ds Awarded

S.No.	Name of the candidate	Ph.D topic	Year of completion
1.	Dr.B. Kavitha	Synthesis, Spectral, DNA interaction, Cytotoxic and Antimicrobial studies of transition metal complexes derived from N,O donor Schiff bases	2020
2.	Dr. MSravanthi	Binary and Ternary Schiff Base Transition metal complexes derived from o- hydroxyacetophenone – Synthesis, Spectral,DNA interaction, Biological, Kinetic and In Vivo anti-inflammatory studies	2022
3.	Dr. A. Srinivas Reddy	Development of suitable Analytical methods for identification of base alcohol in liquors and adulterants in toddy.	2022

Ph.D. Candidates working

S.No.	Name of the candidate	Ph.D topic	Year of Registration
1	Mr. Sampath	Synthesis, characterization, antimicrobial and DNA binding studies of ternary transition metal complexes of fluoro Schiff bases	2018
2	Mr. Srinivas	Design, structural elucidation, DNA interaction and antimicrobial studies of transition metal complexes containing multidentate Schiff bases.	2018
3	Mr. Saidulu	Synthesis ,structural studies of Schiff base transitional metal complexes and their antimicrobial activity studies.	2018

(c) Articles Reviewed

S. No.	Journal	ISSN No.	Year
1	Chinese Journal of Chemistry.	1614-7065	2014
2.	Bio-inorganic chemistry and applications	1687479X	2015
3.	Applied Organometallic Chemistry	1099-0739	2022

(d) Papers presented in Seminars / Conferences

Sl. No	Conferences/ Seminars/ Workshops	Title of the paper Paper Presented	Date and Venue
1.	2-day International conference on "Chemical Advances for Sustainable Development CASD 2022"	Green synthesis, DNA interaction, molecular dynamics simulation, molecular docking, anti inflammatory, biological, thermal studies of Fe(III), Co(II), Ni(II) and Cu(II) complexes of (E)-2-(-((2- fluorophenyl)imino)ethyl) phenol Schiff base"	12 th and 13 th April 2022.
2.	2-day National seminar on "Emerging Trends in Chemical and Materials Science Research."	DNA binding, cleavage, docking, biological and kinetic studies of Cr(III), Fe(III), Co(II) and Cu(II) complexes with ortho-Vanillin Schiff Base derivative	21 & 22 January 2022DepartmentofChemistry,SR&BGNRArts& Science

			College, Khammam
3.	XXXX Annual Conference ICC Indian Council of Chemists	Studies on DNA binding, cleavage, molecular docking, antimicrobial and anticancer activities of Cr(III), Fe(III), Co(II) and Cu(II) complexes of <i>o</i> - vanillin and fluorobenzamine schiff base ligand.	29 th -30 th December, 2021.
4.	2-day International Virtual Conference on Disciplinary, Interdisciplinary and Multidisciplinary Research 2021	Biological evaluation, molecular docking, DNA interaction and thermal studies of new bioactive metal complexes of 2- hydroxybenzaldehyde & fluorobenzamine Schiff base ligand	14 – 15 th October 2021, IVC-DIMR Conference.
5.	2-day International Conference on "Surface Chemistry".	<i>o</i> -Vanillin derived Schiff base transition metal complexes as Antimicrobial and Anticancer drugs	27 th and28 th August 2020 at Dept. of Chemistry,Annamalai University, TamilNadu
6.	3-day National Seminar on "Science and Technology for Sustainable development with Women empowerment."	•	25 th - 27 th February 2020 at Department of Chemistry, Sathavahana University.
7.	3-day International conference on "Material Science for Societal Advancement"	DNA interaction, molecular modeling, cytotoxic and biological studies of novel Schiff base ligand and its metal complexes	20-22 January, 2020 at Department of Chemistry, Osmania University.
8.	One day National Seminar on " Recent Advances in Chemical Science"	Conventional and Microwave assisted Green route for efficient synthesis of biologically active Schiff base ligands derived from 2-Hydroxyacetophenone- Structural, Spectroscopic, Antimicrobial and Molecular modeling studies.	Govt.Degree College,
9.	2-day National Conference on "Current Status and Future Prospects of Biotechnology."	o-Vanillin derived Schiff base transition	15-16 th November 2019 at Nizam College, Osmania University, Hyderabad
10.	2-day National seminar on "Nature inspired initiatives in chemical Sciences"	Microwave assisted green route for efficient synthesis of biologically active Schiff base ligand derived from 2-Hydroxyacetophenone - Structural, Spectroscopic, Antimicrobial, DNA interaction and Molecular modelling studies.	4 th and 5 th November, 2019 at Dept. of Chemistry, Telangana University.
11.	International Conference on "Emerging Trends in Spectroscopic Techniques and their Applications."	Green route for efficient synthesis of biologically active Schiff base ligand derived from 2-hydroxy acetophenone- Structural, Spectroscopic, Antimicrobial and Molecular modelling studies.	3 rd and 4 th December,2018 at Department of Chemistry, University college for Women, Osmania University

12.	International Conference on "Chemistry for Sustainable Future."	Co(II), Ni(II) and Cu(II) complexes of novel Schiff base ligand derived from 2- hydroxyacetophenone : Green synthesis, structural characterization, molecular modeling and in-vitro antimicrobial studies	7 th -9 th August 2018, at Palamuru University, Mahabubnagar
13.	NationalPh.DPosterSymposium on "ChallengesinOrganic/MedicinalChemistry"byRoyalSociety of Chemistry	Synthesis of biologically active Schiff base ligand derived from 2-hydroxy acetophenone-Structural, Spectroscopic, Antimicrobial and Molecular modeling studies	December 16th 2017 at St.Ann's Degree and PG College, OU
14.	International Conference on "Innovations in Commerce and Science."	Synthesis, Structural and Molecular modeling studies, Biological evaluation of new fluorine containing Schiff base .	29 th and 30 th November 2017,Nizam College, OU
15.	20 th International conference on "Recent Advances in Physical sciences and future challenges."by Faculty of Science ,OU	Synthesis, Structural ,Spectroscopic, Antimicrobial and Molecular modeling studies of a novel Schiff base ligand and its metal complexes	14 th – 16 th July 2017 Osmania University
16.	National Ph.D Poster Symposium on "Challenges in Organic/Medicinal Chemistry" by Royal Society of Chemistry	Synthesis, Structural ,Spectroscopic, Antimicrobial and Molecular modeling studies of a novel Schiff base ligand	December 2 nd 2016 UCW, Koti
17.	International seminar on "Green Chemistry for sustainable development : Issues, challenges and prospects."	Green route for efficient synthesis of a novel Schiff base ligand and its metal complexes -Stuctural, Spectroscopic, Anti- microbial and Molecular modeling studies	20 th and 21 st January 2017 Layola academy
18.	One day National seminar on "Recent trends and Advances in Pharmaceutical Research"	Mixed ligand complexes with Schiff base derived from a sulpha drug and 2,2'- bipyridine : Synthesis, spectraland molecular modeling studies	12 th February 2015, Mahatma Gandhi University, Nalgonda
19.	National Conference on " New Frontiers in Biotechnology-Prospects and Challenges"	Synthetic, Structural and Antimicrobial studies of a new sulphur containing Schiff base ligand and its metal complexes.	29th and 30th January, 2015, UCW,Koti, OU.
20.	International Conference on "Green technologies for environmental protection."	Microwave synthesis, spectral, thermal and molecular modeling studies of mixed ligand complexes with Schiff base derived from sulphanilamide and 2,2'-bipyridine.	29th and 30th December 2014, V.V. College,Hyderabad.
21.	National Ph.D Poster Symposium on "Advances in organic/medicinal chemistry" by Royal Society of Chemistry .	Spectral, thermal and molecular modeling studies of Schiff base derived from a sulpha drug	24th December, 2014. Centre for Chemical Sciences and Technology, JNTUH,

22.	2nd International Conference on "Emerging trends in Chemical and Pharmaceutical Sciences."	A new Sulphur containing Schiff base ligand and its metal complexes – synthesis, structural, spectroscopic and antimicrobial studies.	October 15-17,2014, IICT,Hyderabad
23.	Two day National Seminar on "Advanced Spectro Analytical Techniques."	Application of ICP-MS and Colorimetry techniques in the assay of Nutrients and Antinutrients content in some common fruits	11-12 September 2014 Loyola Academy ,Secunderabad
24.	3rd International Conference of Indian Council of Chemists " Chemistry for Sustainable development : Indian Perspective"	Synthesis, characterization and thermal studies of transition metal complexes supported by ONN/ONO tridentate Schiff base ligand.	11th – 13th June, 2014, Dubai

(e) Sponsored Research Projects

S.	Title of the Project	Sponsor	Duration	Amount	Status	Year of
No						Completion
1	"XRD – studies of	UGC	2009-2011.	Rs.1,20,000	completed	2012
	metal complexes of					
	Schiff bases derived					
	from 5- Acetyl 2,4-					
	dihydroxy					
	acetophenone and study					
	of their anti microbial					
	activity" and duration					
	of two years					
	"Green route for	DST –	2019-21	Rs. 2,35,000	completed	2022
2	efficient synthesis of	PURSE				
	fluorine containing	program				
	Schiff bases and their					
	complexes as potent					
	Bio active agents: DNA					
	interaction, Docking, In					
	vitro antimicrobial					
	screening and Cytotoxic					
	studies. "					

S. No	Conferences / Seminars / Workshops / Courses	Position	Year
1.	CHEM FEST-2022 as part of National Science Day celebrations on 5 th March 2022.	Member –organizing committee	2022
2.	Open Day & alumni day in Dept. of Chemistry on March 24 & 25 th 2022 as part of 3 day celebrations Osmania Taksh 2022.	Member –organizing committee	2022
3.	4- day Special Webinar on Lecture Series in Chemistry from 24 th August – 27 th August 2020	Organizing secretary	2020
4.	2-day International webinar on "Real world Applications of Nanomaterials" on 4 th and 5 th August ,2020	Organizing secretary	2020
5.	Talk to your Peer- for PG students on 29 th July 2020	Organizing secretary	2020
6.	CHEM COGNIZANCE (Chemistry quiz-online) on 24 th & 26 th July, 2020	Convenor	2020
7.	Sesquicentennial IYPT- 2019 (E-Poster - Elements of Chemistry: Environmental &Sustainable Development) under UGC- UPE-FAR programme on 30 th October 2019 at Department of Chemistry, University College of Science, OU	Organising Secretary	2019
8.	One day conference on Research Methodology on 1 st February 2019.	Convenor	2019
9.	International Conference on emerging trends in spectroscopic techniques on 3 rd and 4 th December 2018.	Convenor	2018
10.	Two day National seminar on "Tourism in India: Prospects and Challenges." On 19 th and 20 th January 2018.	Convenor	2018

Organization of Seminars / Courses / Workshops / Conferences

11.	Two day national seminar on "Pulses 2016: Innovative approaches for sustainability in production and promotion of utilization" on 21 st and 22 nd October 2016.	Organizing Secretary	2016
12.	National Ph.D Poster Symposium on "Challenges in Organic/Medicinal Chemistry" in collaboration with Royal Society of Chemistry on 2 nd December 2016.	Convenor	2016
13.	Two day Workshop on Teacher Training in collaboration with Royal Society of Chemistry on 26 th and 27 th August 2016	Convenor	2016
14.	One day seminar on "Green and Sustainable Chemistry." on 1 st September 2016.	Convenor	2016
15.	One day seminar on "X-ray diffraction- Key to Crystallographic studies" 15th March 2014.	Organising Secretary	2014
16.	One day seminar on "Chemistry & Energy : Present & Future Scenario" on 22nd March, 2011 at Department of Chemistry, OUCW, Koti, Hyderabad.	Organising Secretary	2011

Guest Lectures delivered:

Resource person at HRDC, OU on "ESR Spectroscopy" on 8th December 2023.

Resource person at HRDC, OU on "ESR in Metal complexes" on 2 nd May 2022.

Resource person at HRDC, OU for Evaluation of Seminar Presentations 2 nd May 2022.

Guest lecture on "Bonding in Metal complexes" at RBVRR Women's College on 22nd June 2021 .

Guest lecture on "Metals in Medicine" at Vivekavardhini College, OU on 15th February , 2017.

Guest lecture on "Bonding in Metal complexes" at New Science college, OU on 26th August 2015

Awards for Excellence in Research / Teaching:

Received Best Teacher award on 5th september 2015, by Vasavi Seva Kendram, Hyderabad.

> Paper titled "Green route for efficient synthesis of a novel Schiff base ligand and its metal complexes -Stuctural, Spectroscopic, Anti-microbial and Molecular modeling studies" presented at International Seminar on 'Green Chemistry for sustainable development' received best presentation award.

> Paper titled "Synthesis, Structural ,Spectroscopic, Antimicrobial and Molecular modeling studies of a novel Schiff base ligand." Presented at 'National PhD poster symposium' organized by Royal society of Chemistry received best presentation award.

Administrative Assignments:

- ➢ Joint Director, University foreign relations office (UFRO), Osmania University from August 16th 2022 till date.
- ➢ Joint Director, Directorate of Academic Audit, Osmania University from August 1st 2021-August 16th 2022
- Vice- Principal, University College for Women, Koti, OU from May 22nd 2017 September 5th 2019
- Coordinator, Centre for Professional and Allied studies (CP & AS), University College for women, Koti, OU from May 1st 2017 – September 5th 2019.
- **Head**, Department of Computer science, University College for women, Koti, OU from May $1^{st} 2017 June 1^{st} 2018$.
- ➢ I/c Head, Department of Chemistry, University College for Women, Koti, OU from January 2016 to May 2017
- ▷ Coordinator of the College Time Table Committee ,UCW from 2007 2017 .
- Student Advisor in University college for women,2006-2007, 2009-2010,2010-2011 & 2011 2012.
- Member of the Space Committee, UCW 2011-2019
- Member of WMF Committee, UCW 2011-2019
- Member of UGC- CPE Committee, UCW 2012-2019
- Member of NAAC Committee , UCW 2012 2019

- Member of the Organizing Committee of "Yuva Tarang", Youth Festival & 1st Central Zone Inter-Universities Competitions held on 16th-20th November 2012 at Osmania University, Hyderabad.
- Member of the Cultural Committee , Osmania University Centenary Celebrations.

Membership in Professional Bodies:

- Member of Indian Council of Chemists.
- o Member of the Indian Science Association

Membership in Other Bodies:

- o DC member, Dept.of Chemistry, O.U., 2022-24.
- o Member, BOS for PG., Dept. of Chemistry, O.U., 2022-2024
- o Member, BOS, UG., Dept. of Chemistry, O.U. 2016-2018.
- o DC member, Dept.of Chemistry, O.U., 2013-15.
- Member, BOS, UG., Dept. of Chemistry, O.U.C.W since 2011-2019.
- Member, BOS, St Anns College, OU 2015-2017.
- o Selection Committee Member, Vasundhara Degree College, OU, 2016-2018.
- Selection Committee Member, K V Ranga Reddy Degree College, OU, 2018-2020.
- o Selection Committee Member, Acharya Degree College, Sangareddy, OU, 2019-2021.
- o Governing body member, Sahithi Degree college, OU, 2019-21.
- o Member BOS, Hindi Mahavidyalaya Nallakunta, OU, 2019-21.
- Selection Committee member, St.Anthony's Degree College for women, Sanga Reddy 2019-21.
- Selection Committee member, N B Science College, OU, 2019-21.