

**CURRICULUM VITAE**  
**Of**  
**Dr. P.SARITHA REDDY**  
**Asst.Professor, Department of Chemistry**

**VICE- PRINCIPAL**  
**OUCW, Koti, Hyd.**

**Email address: abbareddysaritha@hotmail.com**

**Name** : **Dr. P. SARITHA REDDY**

**Father's Name** : **Mr. P.UPENDER REDDY**

**Mailing Address** : **2 / B , P.S.Nagar Colony**  
**Near Masab Tank**  
**Hyderabad-500057**

**Academic Qualifications** : **M.Sc ., Ph.D**

**Designation** : **Assistant Professor in Chemistry**

**Academic Record**

	<b>CLASS OBTAINED</b>	<b>YEAR</b>	<b>SCHOOL/COLLEGE</b>	<b>%</b>
SSC	I	1985	St. Anns school, Hyd	80
INTERMEDIATE	I	1987	St.Francis College, Hyd	77
B.Sc	I	1991	St. Anns College for Women, Hyd	85
M.Sc.	I	1993	Osmania University	70
Ph.D.		1999	Osmania University	

**Specialization** : Inorganic Chemistry

**Teaching Experience** : 19 years

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

**PUBLICATIONS**

**(a) Articles Published**

<b>Sl. No.</b>	<b>Name of the Journal</b>	<b>Title of the Article</b>	<b>Vol. No. &amp; Date of Issue (ISSN)</b>	<b>Pg. No.</b>
1	Indian Journal of Chemistry	Synthesis and structural studies on the metal complexes of a bis-chelating ligand exhibiting mixed denticities.	Vol 43 A, Feb 2004	341- 345.
2	J.Indian Chem. Soc.,	Synthesis and structural studies on divalent transition metal complexes of 5-acetyl 2,4 –	Vol.83, December 2006	1204 – 1207.

		dihydroxy acetophenone semicarbazone.		
3	Acta Ciencia Indica,	Synthesis and structural studies on the transition metal complexes of 5-acetyl 2,4 dihydroxy acetophenone thiosemicarbazone.	Vol.XXXIIC, 3 , May 2006.	311
4	Bull.Chem. Soc.Ethiop..	Synthesis and Structural studies of first row transition metal complexes of N-(2-nitro)-benzilidene-3-hydrazino Quinoxaline-2-one.	22(3), 2008	385-390
5	Spectrochimica Acta Part A	Synthesis, characterization and antimicrobial activity of 3d transition metal complexes of a biambidentate ligand containing quinoxaline moiety.	74, 2009	52-57.
6	Journal of Chemical Technology and Research	Synthesis and structural studies of first row transition metal complexes with pentadentate ONNNO donor schiff base as ligand.	2 (3), 2010	1494-1500.
7	Journal of Chemistry	Synthesis and structural studies of first row transition metal complexes with tetradentate ONNO Schiff base with 5-Acetyl 2,4 - dihydroxy acetophenone and ethylenediamine.	7(5), 2010.	
8	Chinese Journal of Chemistry	Synthesis, Characterization and Antimicrobial Activity of Oxovanadium(IV) Complexes of Schiff Base Hydrazones Containing Quinoxaline Moiety	30, 2012	, 935-940
9	Journal of Chemical and Pharmaceutical Research	Synthesis,Structural,Spectroscopic, Anti microbial and Molecular modeling studies of a bis-chelating sulphur containing Schiff base ligand	8(4) April 2016 ISSN no. 0975-7384	74-79
10	Journal of Molecular Structure	DNA interaction,docking,molecular modeling and biological studies of <i>o</i> -Vanillin derived Schiff base metal complexes	1185 (2019) ISSN no. 0022-2860	153-167
11	International Research Journal of Pharmacy	Synthesis, Spectroscopic, Molecular modeling and Antimicrobial studies of Fluorine containing Schiff base	2019,10(1) 2230-8407	
12	International Research Journal of Pharmacy	Green route for efficient synthesis of biologically active Schiff base ligand derived from 2-hydroxy acetophenone- Structural,spectroscopic,Antimicrobial and Molecular modeling studies.	2019,10(3) 2230-8407	

**(b) Articles Reviewed**

Sl. No	Journal	ISSN No.	Year
1	Chinese Journal of Chemistry.	1614-7065	2014
2.	Bio-inorganic chemistry and applications	1687479X	2015

**Ph.D. Supervision  
List of Ph.D. Candidates**

S.No.	Name of the candidate	Ph.D topic	Year of Registration
1	Mr. K. Radhakrishna	Synthesis ,structural studies of Schiff base transitional metal complexes and their antimicrobial activity studies.	2012
2	Mr. S. Sheshashayana	Synthesis, characterization, antimicrobial and DNA interaction studies of transition metal complexes	2013
3	Mr.P. Lakshma Reddy	Synthesis, characterization, antimicrobial and DNA binding studies of transition metal complexes of Fluoro Schiff bases	2014
4	Ms. B.Kavitha	DNA interaction studies and evaluation of biological activity of novel multi dentate Schiff base complexes	2014
5	Ms.B.Sravanthi	Design,structural elucidation, DNA interaction and antimicrobial studies of transition metal complexes containing multidentate Schiff bases	2014
6	Ms.C.Vijaya Jyothi	Synthesis ,structural studies of Schiff base transitional metal complexes and their antimicrobial activity studies.	2013
7	Mr. Srinivas		2018
8	Mr. Sampath		2018
9	Mr. Saidulu		2018

**Papers presented in Seminars / Conferences**

Sl. No	Conferences/ Seminars/ Workshops	Title of the paper Paper Presented	Date and Venue
1.	3rd International Conference of Indian Council of Chemists “ Chemistry for Sustainable development : Indian	Synthesis,characterization and thermal studies of transition metal complexes supported by ONN/ONO tridentate Schiff base ligand.	11th – 13th June, 2014, Dubai

	Perspective”		
2	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
	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
	National Ph.DPoster Symposium on “Advances in Organic/Medicinal Chemistry” by Royal Society of Chemistry .	Spectral,thermal and molecular modeling studies of Schiff base derived from a sulphha drug	24th December, 2014. Centre for Chemical Sciences and Technology, JNTUH,
	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 sulphha drug sulphanilamide and 2,2'-bipyridine	29th and 30th December 2014, V.V. College,Hyderabad.
	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.
	One day National seminar on “Recent trends and Advances in Pharmaceutical Research”	Mixed ligand complexes with Schiff base derived from a sulphha drug and 2,2'-bipyridine : Synthesis, spectraland molecular modeling studies	12th February,2015,Mahatma Gandhi University,Nalgonda
	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 -Structural, Spectroscopic, Anti-microbial and Molecular modeling studies	20 <sup>th</sup> and 21 <sup>st</sup> January 2017 Layola academy
	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 <sup>nd</sup> 2016 UCW, Koti
	20 <sup>th</sup> 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 <sup>th</sup> – 16 <sup>th</sup> July 2017 OU
	International Conference on “Innovations in Commerce and Science.”	Synthesis, Structural and Molecular modeling studies, Biological evaluation of new fluorine containing Schiff base .	29 <sup>th</sup> and 30 <sup>th</sup> November 2017 Nizam College, OU
	National Ph.D Poster Symposium on “Challenges in Organic/Medicinal Chemistry” by Royal Society 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
	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-	7 <sup>th</sup> -9 <sup>th</sup> August 2018, at Palamuru University, Mahabubnagar

		vitroantimicrobial studies	
	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 <sup>rd</sup> and 4 <sup>th</sup> December, at Department of Chemistry, University college for Women, Osmania University,

### Organization of Seminars / Courses / Workshops / Conferences

Sl. No	Conferences / Seminars / Workshops / Courses	Position	Year
1.	One day seminar on “ Chemistry & Energy : Present & Future Scenario” on 22nd March, 2011 at Department of Chemistry, OUCW, Koti, Hyderabad.	<b>Organising Secretary</b>	2011
2	One day seminar on “X-ray diffraction-Key to Crystallographic studies” 15th March 2014.	<b>Organising Secretary</b>	2014
3.	One day seminar on “Green and Sustainable Chemistry.” on 1 <sup>st</sup> September 2016.	<b>Convenor</b>	2016
4.	Two day Workshop on Teacher Training in collaboration with Royal Society of Chemistry on 26 <sup>th</sup> and 27 <sup>th</sup> August 2016	<b>Convenor</b>	2016
5.	National Ph.D Poster Symposium on “Challenges in Organic/Medicinal Chemistry” in collaboration with Royal Society of Chemistry on 2 <sup>nd</sup> December 2016.	<b>Convenor</b>	2016
6.	Two day national seminar on “Pulses 2016: Innovative approaches for sustainability in production and promotion of utilization” on 21 <sup>st</sup> and 22 <sup>nd</sup> October 2016.	<b>Member of organizing committee</b>	2016
7.	Two day National seminar on “ Tourism in India: Prospects and Challenges.” On 19 <sup>th</sup> and 20 <sup>th</sup> January 2018.	<b>Convenor</b>	2018

### Sponsored Research Projects

Sl. No	Title of the Project	Sponsor	Year of Sanction	Duration	Amount	Status	Year of Completion
	“XRD – studies of metal complexes of Schiff bases derived from 5- Acetyl 2,4- dihydroxy acetophenone and study of their anti microbial	UGC	2009	2009-2011.	Rs.1,20,000	Completed	2012

activity” and duration of two years							
-------------------------------------	--	--	--	--	--	--	--

Awards for Excellence in Research / Teaching:

Paper titled “Green route for efficient synthesis of a novel Schiff base ligand and its metal complexes -Structural, Spectroscopic, Anti-microbial and Molecular modeling studies” presented at International Seminar on Green Chemistry for sustainable development and 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 awards.

#### **Administrative Assignments:**

- Vice- Principal, University College for Women, Koti, OU from May 22<sup>nd</sup> 2017.
- 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 till date.
- Student Advisor in University college for women,2006-2007, 2009-2010 ,2010- 2011 & 2011 - 2012.
- Member of the Space Committee, UCW
- Member of WMF Committee, UCW
- Member of UGC- CPE Committee, UCW
- Member of NAAC Committee , UCW
- 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.

○

#### **Membership in Professional Bodies:**

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

#### **Membership in Other Bodies:**

- DC member, Dept.of Chemistry, O.U., from 2013-15.
- Member, BOS, UG., Dept. of Chemistry, O.U.C.W since 2011.
- Member, BOS, UG., Dept. of Chemistry, O.U. since 2016.
- Member , BOS, St Anns College, OU 2015-2017.
- Selection Committee Member, Vasundhara Degree College, OU,2016-2018
- Selection Committee Member,Ranga Reddy Degree College , OU,2018

**Extension / Outreach Activities** :

Jury member for state level DST-sponsored INSPIRE exhibition held in August ( 8th – 10th) 2011 and 2012.

Jury member for District level DST-sponsored INSPIRE exhibition 2013, 2014, 2015