

**Name:** Dr. Ganji Nirmala

**Designation:** Assistant Professor

**Department:** H & S (Chemistry)

**Mail I'd:** nirmala\_g@vnrvjiet.in



**Experience (in years):** Teaching: 8y 6m      **Research:** 6y      **Others** (if any, specify): Nil

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph. D	2020	Bioinorganic Chemistry
2	M. Sc	2007	Inorganic Chemistry
3	B. Sc	2005	M.P.C

### 2. Teaching and Learning:

**2.1. Teaching Interests:** Engineering Chemistry and Inorganic Chemistry

**2.2. Novel Teaching & Learning Techniques adopted:** WIT & WIL, POGIL, Story board, Cross words, Each one teach one, Word scramble

**2.3. Involvement in curriculum updating / Design:** BOS member of Chemistry

### 3. Co-curricular and Extra-Curricular Activities

**3.1. Interests and Hobbies:** Listening to music

**3.2. CCA/ECA Organized:** Nil

**3.3. CCA/ECA participated:** Nil

**3.4. Counseling and Mentoring Activity:** Yes

**3.5. Committees involved in:**

**Department level:** Knowledge Asset committee member

**Institute Level:** Knowledge Asset committee coordinator

### 4. Conference / Workshop / Seminar / Guest Lectures :

**4.1 Conducted:** Nil

**4.2 Attended:** 22

1. Attended a webinar on "Revisiting our Teaching Philosophies in Online Environs" on 22<sup>nd</sup> May, 2021.
2. Participated in International Webinar on "Role of Chemists in discovery of Drugs and Vaccine for COVID-19" organized by Department of Chemistry, UCS, Satavahana University, Karimnagar on 16<sup>th</sup> August, 2020

3. Participated in Two-day International Webinar on “Emerging Technologies in Drug Discovery and Development” organized by Department of Chemistry, Nizam College, OU, Hyderabad during 4<sup>th</sup> – 5<sup>th</sup> September, 2020
4. Attended an International Conference on “Material Science for Societal Advancement” at Department of Chemistry, UCS, OU, Hyderabad during 20 – 22<sup>nd</sup> January, 2020 (**Oral** Presentation).
5. Attended one day seminar on “Challenges and Recent Trends in Chemistry” at Department of Chemistry, UCS, OU, Hyderabad on 31<sup>st</sup> August 2018.
6. Attended one day International Symposium on “Recent Trends in Chemical Biology” at University College of Science, OU, Hyderabad on 28<sup>th</sup> November 2018.
7. National Science Day Celebrations-2018 on 28<sup>th</sup> February 2018 at University College of Science-OU, Hyderabad (**Oral** Presentation).
8. CONIAPS XX, 20<sup>th</sup> International Conference of International Academy of Physical Sciences, “Recent Advances in Physical Sciences and Future Challenges”, during 14-16<sup>th</sup> July 2017, at Department of Chemistry, UCS, OU, Hyderabad (**Oral** Presentation).
9. Attended “One-day Workshop on Research Methodology and Report Writing” at Osmania University on 4<sup>th</sup> February 2017.
10. One day 2<sup>nd</sup> National Conference on “Nanoscience & Nanotechnology” at University College of Science, MGU, Nalgonda on 29<sup>th</sup> March 2016 (**Oral** Presentation).
11. ICBNP-2015, International Conference on “Biochemistry, Nutrition & Pharmacy in Human Welfare: Recent Trends and Future Challenges”, at Department of Biochemistry, UCS, OU, Hyderabad, from 3-5<sup>th</sup> September 2015 (**Poster** Presentation).
12. Attended a seminar on “Advances in Chemical Sciences” at Department of Chemistry, UCS, OU, Hyderabad on 27<sup>th</sup> August 2015.
13. Attended 2<sup>nd</sup> International conference on “Emerging trends in Chemical and Pharmaceutical Sciences” ICETCPS-2014 at CSIR-IICT during 15-17<sup>th</sup> October 2014.
14. Attended a one day seminar on “Academia-Industry Interface” at University College of Science, OU, Hyderabad on 6<sup>th</sup> August 2014.
15. Attended a seminar “X-ray Diffraction: Key to Crystallographic Studies” at Department of Chemistry, UCSW, OU on 15<sup>th</sup> March 2014.

16. Attended a national conference on “Role of Chemistry in Energy Development and Environment Protection”- [RCEE-2014] at Department of Chemistry, SVU, Tirupathi during 3-4<sup>th</sup> March, 2014.
17. Attended a national conference on “Advanced Materials for Energy Applications- NCAMEA-2014” during 31<sup>st</sup> -1<sup>st</sup> February 2014.
18. Attended one day national conference on “Nanoscience & Nanotechnology” NCNN-2014 at Department of Chemistry, MGU, Nalgonda on 21<sup>st</sup> February 2014.
19. Attended ICC-XXXII, Annual conference in Karnatak State University, Dharwad during 28-30<sup>th</sup> November 2013.
20. Attended the One day seminar on “Chemistry in Emerging Technology” in Vidya Jyothi Institute of Technology (VJIT), Aziz Nagar, Hyderabad on 10<sup>th</sup> September 2012.
21. Attended the Workshop for Chemistry P.G teachers - 2011 in University College of Science, O.U, Hyderabad during February 11<sup>th</sup> & 12<sup>th</sup>, 2011.
22. Attended the National seminar on New Dimensions in Chemical Sciences (NDCS) -2010 in Post Graduate college of Science, Saifabad, Hyderabad on 30<sup>th</sup> January 2010.
23. Attended the Workshop for Chemistry P.G teachers - 2008 in University College of Science, O.U, Hyderabad during 10 - 13<sup>th</sup> November 2008.
24. Attended an international conference on “Recent Innovations in Pharmaceutical and applied Sciences” conducted by JMJ College for women, Tenali from 17-19<sup>th</sup> March, 2022.
25. Attended “IEEE Summer school on Nanotechnology-2022” at VNRVJIET, from 16-19<sup>th</sup> Nov-2022.
26. Attended Faculty Training Program for Happiness and Wellbeing course at VNRVJIET from 28<sup>th</sup>-29<sup>th</sup> March, 2023.

## **5. Academic Contribution and Research & Consultancy:**

**5.1. Invited Lectures:** Nil

**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 : Nil

b) PG : Nil

**5.5. Research Interests:** Synthesis of Schiff bases and their metal complexes, studies of DNA interactions and antioxidant activity (Bioinorganic Chemistry)

**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/IS SN No.	Impact Factor/ Citation Index	National/ International
1	Spectroscopic, quantum chemical calculations, antioxidant, anticancer, antimicrobial, DNA binding and photo physical properties of bioactive Cu(II) complexes obtained from trifluoromethoxy aniline Schiff bases	Journal of Molecular Structure, 1249 (2022) 131601.	0022-2860	2.463	International
2	Exploration of DNA interaction, antimicrobial and antioxidant studies on binary transition metal complexes with isoxazole Schiff bases: Preparation and spectral characterization	Inorganic Chemistry Communications, 121 (2020) 108247	1387-7003 (print), 1879-0259 (online)	3.428	International
3	Copper(II) complexes with isoxazole Schiff bases: Synthesis, Spectroscopic investigation, DNA binding and nuclease activities, Antioxidant and Antimicrobial Studies	Journal of Molecular Structure, 1173 (2018) 173.	0022-2860	2.463	International
4	DNA incision, evaluation, binding investigation and biocidal screening of Cu(II), Ni(II) and Co(II) complexes with isoxazole Schiff bases.	Journal of Photochemistry and Photobiology B: Biology, 175 (2017) 132	1011-1344	4.383	International
5	Evaluation of DNA interaction, free radical scavenging and biologically active compounds of thermally stable p-tolylmethanamine Schiff bases and their binary Co(II) and Ni(II) complexes	Chemical Data Collections, 28 (2020) 100439	2405-8300	2.22	International
6	An Investigation on DNA Binding, Cleavage and Antimicrobial Properties of Mononuclear Co(II), Ni(II) and Cu(II) Complexes Derived from N, O Donor Schiff Bases	Journal of Fluorescence, 30 (2020) 1397-1410.	1053-0509 (print) 1573-4994 (online)	2.093	International

7	Mononuclear cobalt(II), nickel(II) and copper(II) complexes: Synthesis, spectral characterization and interaction study with nucleotide by <i>in vitro</i> biochemical analysis.	Journal of Molecular Structure, 1207 (2020) 127799	0022-2860	2.463	International
8	Synthesis, structural characterization, DNA interaction, antibacterial and cytotoxicity studies of bivalent transition metal complexes of 6-aminobenzothiazole Schiff base.	Inorganic Chemistry Communications, 113 (2020) 107767	1387-7003 (print), 1879-0259 (online)	3.428	International
9	Facile synthesis, structural characterization, DNA binding, incision evaluation, antioxidant and antimicrobial activity studies of Cobalt(II), Nickel(II) and Copper(II) complexes of 3-amino-5-(4-fluorophenyl) isoxazole derivatives	Journal of Molecular Structure, 1202 (2020) 127338	0022-2860	2.463	International
10	Mononuclear Co(II), Ni(II) and Cu(II) complexes of the Schiff base, 2-(((4-trifluoromethoxy)phenylimino)methyl)-6-tert-butylphenol: Synthesis, spectroscopic characterization, X-ray study and biological evaluation.	Journal of Molecular Structure, 1199 (2020) 127006.	0022-2860	2.463	International
11	Crystal structure, DNA interactions, antioxidant and antitumor activity of thermally stable Cu(II), Ni(II) and Co(III) complexes of N, O donor Schiff base ligand	Polyhedron, 171 (2019) 86–97	0277-5387	2.88	International
12	Synthesis, structural characterization, antioxidant, antimicrobial, DNA incision evaluation and binding investigation studies on copper(II) and cobalt(II) complexes of benzothiazole cored Schiff bases	Journal of Coordination Chemistry, 72 (2019) 1973-1993	0095-8972 (print) 1029-0389 (online)		International
13	DNA binding and cleavage, cytotoxicity and antimicrobial studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of 1-((E)-(4-((trifluoromethoxy)phenylimino)methyl)naphthalen-2-yl) Schiff base.	Journal of Biomolecular Structure and Dynamics, 38 (2020) 307-316	0739-1102 (print) 1538-0254 (online)	3.31	International
14	Synthesis, Characterization, DNA binding propensity, nuclease efficacy, antioxidant and antimicrobial activities of Cu(II), Co(II) and Ni(II) complexes	Chemical Data Collections, 20 (2019) 100213	2405-8300	2.22	International

	derived from 4-(trifluoromethoxy)aniline Schiff bases				
15	Three mononuclear Cu(II) complexes based on p-tolylmethanamine Schiff bases: In –vitro cytotoxicity, DNA binding ability, Nuclease activity and antibacterial studies.	Inorganic Chemistry Communications, 98 (2018) 48–57	1387-7003 (print) 1879-0259 (online)	3.428	International
16	Synthesis, characterization, DNA binding ability, nuclease efficacy and biological evaluation studies of Co(II), Ni(II) and Cu(II) complexes with benzothiazole Schiff base	Chemical Data Collections, 17–18 (2018) 159–168.	2405-8300	2.22	International
17	Design, synthesis, spectral characterization, DNA interaction and biological activity studies of copper(II), cobalt(II) and nickel(II) complexes of 6-amino benzothiazole derivatives	Journal of Molecular Structure, 1144 (2017) 147-158	0022-2860	2.463	International
18	DNA interactions and biocidal activity of metal complexes of benzothiazole Schiff bases; synthesis, characterization and validation	Journal of Chemical Sciences, 129 (2017) 609	0974-3626 (print) 0973-7103 (online)	1.406	National
19	Crystal Structure, Spectral Characterization, Biological and DNA Binding Studies of Cu(II) Mixed Ligand Complexes of 5-Amino-3, 4-Dimethyl Isoxazole Schiff Bases and Heterocyclic Compounds	Russian Journal of Coordination Chemistry, 43 (2017) 275-289	1070-3284 (print) 1608-3318 (online)	0.973	International
20	Computational studies, cytotoxicity, DNA interactions of bioactive novel 2-methoxy 5-trifluoromethyl benzenamine Schiff base metal complexes	Inorganic Chemistry Communications	1387-7003 (print) 1879-0259 (online)	3.428	

### 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:**

**7. Motto:**