

Curriculum Vitae



Dr. Vaishali Anandrao Sawant

M.Sc. B.Ed. Ph.D.

Assistant Professor,
Department of Technology
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Present position: Assistant Professor, Department of Technology,
Shivaji University, Kolhapur

Research fields: Coordination Chemistry, Metal Organic Frameworks

Academic Details:

- 2006- 2010** **Ph.D.** (Chemistry)
Thesis title, "Synthesis and physico-chemical studies of
some mixed-ligand 3d-transition metal complexes."
- 2005-2006** **B.Ed.** with first class (**68.86 %**), Shivaji University
Kolhapur, India.
- 2002-2004** **M.Sc.** in Chemistry (Inorganic Chemistry), with first class
(**63.21 %**), Shivaji University Kolhapur, India.
- 1999-2002** **B.Sc.** in Chemistry, with first class (**61.21 %**), Shivaji
University, Kolhapur, India.

Fellowships/Awards:

- 2009-2011:** **Senior Research Fellowship** from Council of Scientific
and Industrial Research (**CSIR**), New Delhi, India.

Work Experience:

- 12/2011-** **Assistant Professor**, Department of Technology, Shivaji University, Kolhapur
- 16/05/2011-** **Assistant Professor**, Department of Technology, Shivaji University, Kolhapur
present
- 04/2009-** Senior Research Fellowship from Council of Scientific and
03/2011 Industrial Research (**CSIR**), New Delhi, India.
- 08/2008-** Teaching Assistant, Department of Chemistry, Shivaji
03/2009 University, Kolhapur
- 07/2007-** Lecturer (C.H.B.), The New College, Kolhapur
03/2008

Details of Funding received:

Sr. No.	Title	Funding agency	Cost Rs.	Status
1.	Synthesis, structure and photo-physical properties of novel porous Metal Organic Frameworks	UGC, India	6,00,000	In progress
2.	Synthesis, structure and fluorescence properties of porous metal-organic frameworks	TEQIP Phase-II Seed Money	3,00,000	In Progress

Research papers published in International journals:**Citation Data****Total Citations: 68*****h*-index: 5*****i*-10 index: 3**

1. Characterization and electrochemical studies of Mn(II), Co(II), Ni(II) and Cu(II) complexes with 2-mercapto-3-substituted-quinazolin-4-one and 1,10-phenanthroline or ethylenediamine as ligands.

V.A. Sawant, S.N. Gotpagar, B.A. Yamgar, S.K. Sawant, R.D. Kankariya, S.S. Chavan, *Spectrochimica Acta*, 72A (2009) 663-669. (I.F. 1.977)

2. Synthesis, structural characterization, thermal and electrochemical studies of mixed ligand Cu(II) complexes containing 2-phenyl-3-(benzylamino)-1,2-dihydroquinazoline-4(3H)-one and bidentate N-donor ligands
V.A. Sawant, B.A. Yamgar, S.K. Sawant, S.S. Chavan, *Spectrochimica Acta*, 74A (2009) 1100-1106. (I.F. 1.977)
3. Synthesis, characterization and catalytic study of Schiff base copper(I) complexes for the amination of aryl halide.
S.K. Sawant, G.A. Gaikwad, **V.A. Sawant**, B.A. Yamgar, S.S. Chavan, *Inorg. Chem. Commun.*, 12, (2009) 632-635. (I.F. 2.029)
4. Copper(II) complexes of thiazolylazo dye with triphenylphosphine and N_3^- or NCS^- as coligands: Synthesis, spectral characterization, electrochemistry and luminescence properties,
B.A. Yamgar, **V.A. Sawant**, S.K. Sawant, S.S. Chavan, *J. Coord. Chem.* 62(14), (2009) 2367-2374. (I.F. 1.932)
5. Synthesis, structural characterization, thermal and electrochemical studies of Mn(II), Co(II), Ni(II) and Cu(II) complexes containing thiazolylazo ligands
S.S. Chavan, **V.A. Sawant**, *J. Mol. Structure*, 965 (2010) 1-6. (I.F. 1.551)
6. Manganese(II), Cobalt(II) and Nickel(II) complexes with 2-phenyl-3-(benzyl amino)-1,2-dihydroquinazolin-4(3H)-one, pseudohalides and some bidentate N-donor ligands: Synthesis, structure, thermal and electrochemical studies
V.A. Sawant, B.A. Yamgar, S.S. Chavan, *Transition Met. Chem.* 35 (2010) 357-361. (I.F. 1.223)
7. Synthesis, characterization and Photoluminescence properties of copper(II)-azido/thiocynato complexes of thiazolylazo dye and 1,2-bis(diphenylphosphino)ethane
B.A. Yamgar, **V.A. Sawant**, A.N. Jadhav, S.S. Chavan, *Inorg. Chem. Commun.*, 13 (2010) 1207-1209 (I.F. 2.029)
8. Synthesis, characterization, thermal and electrochemical studies of Cobalt(II) and Copper(II) pseudohalide complexes with 2-mercapto-3-phenylquinazolin-4(3H)-one and 1,10-phenanthroline or ethylenediamine as ligands.
V.A. Sawant, S.S. Chavan and V.B. Helavi,
Synth. React. Inorg. Met.-Org. Chem. 40 (2010) 592-600. (I.F. 0.569)
9. Copper(I) complexes with Schiff base and 1,2-bis(diphenylphosphino) ethane as ligands: Synthesis, structure and catalytic properties for the amination of aryl halide, S.S. Chavan, S.K. Sawant, **V.A. Sawant**, G.K. Lahiri
Inorganic Chimica Acta 363 (2010) 3359-3364. (I.F. 2.322)

10. Synthesis, spectral characterization, thermal and photo luminescence property of Zn(II) and Cd(II)-azido/thiocyanato complexes with thiazolylazo dye and 1,2-bis(diphenylphosphino)ethane
B.A. Yamgar, **V.A. Sawant**, S.S. Chavan, **Spectrochimica Acta Part A**, 78 (2011) 102–106 (I.F. 1.977)
11. Synthesis, characterization and luminescence properties of copper(I) complexes containing 2-phenyl-3-(benzylamino)-1,2-dihydroquinazolin-4(3H)-one and triphenylphosphine as ligands
S.S. Chavan, G.A. Gaikwad, **V.A. Sawant**, G.K. Lahiri, **Polyhedron** 30 (2011) 1171-1175 (I.F. 2.207)
12. Mixed-ligand complexes of copper(I) with Schiff base and triphenylphosphine: Effective catalysts for the amination of aryl halide
S.S. Chavan, S.K. Sawant, **V.A. Sawant**, G.K. Lahiri, **Inorg. Chem. Commun**, 14(9) (2011)1373-1376 (I.F. 2.029)
13. Copper(II) complexes of N-(2-[[[(2E)-2-(2-Hydroxy-(5-substituted)-benzylidene)-hydrazino] carbonyl]phenyl)benzamide ligands and heterocyclic coligands
S.S. Chavan, V.A. Sawant, A.N. Jadhav, **Spectrochimica Acta Part A** 117 (2014) 360–365 (I.F. 1.977)

Presentations at National/International Conferences:

1. National Conference on 'Emerging Technologies for Sustainable Developments' during 27th & 28th Dec. 2012 organized by Department of Technology, Shivaji University, Kolhapur
2. National Conference on 'Chemistry of Chalcogens' during 14th & 15th Jan. 2013 organized by Department of Applied Chemistry, at Defence Institute of Advanced Technology (DIAT), Pune.
3. International Conference on Recent Research trends in Chemical Sciences, Dec. 2-6, 2009; **VIT University, Vellore, Tamil Nadu.**
4. UGC-SAP National Seminar on Advanced Synthetic Methodologies for Functional Materials, Dec. 23-24, 2009; **Shivaji University, Kolhapur.**
5. International Conference on Nanomaterial and Applications, Dec. 9-11 2008; **Shivaji University, Kolhapur.**
6. UGC-SAP National Seminar on "Synthesis of New Material for Industrial Application." on Feb. 1st and 2nd 2008, Dept. of Chemistry, **Shivaji University, Kolhapur.**

National/International Conferences/Seminars attended:

1. Participated in National Symposium on 'Current Trends in Chemical and Nano Sciences' organized by Department of Chemistry, Shivaji University, Kolhapur on 17-18 Jan. 2014
2. National Conference on "Current Research in Chemical Sciences" on 22nd and 23rd Jan. 2013, Department of Chemistry, **Shivaji University, Kolhapur.**
3. National seminar on "Recent advances in synthetic chemistry and nanomaterials" on 20th and 21st Jan. 2012, Department of Chemistry, **Shivaji University, Kolhapur.**
4. Symposium on 'Advanced in Synthetic Methodologies and New Materials' on 21st and 22nd Jan. 2011, Department of Chemistry, **Shivaji University, Kolhapur.**
5. National conference on "Biodiversity conservation in India: Status and approaches" on 8-10th Jan. 2010, Panhala, Kolhapur, organized by Indian Woman Scientists Association, Kolhapur.

Workshops/ Orientation attended:

1. Participated in Orientation programme on 'Sexual Harassment of Women at Workplace (prevention, Prohibition and Redressal) Act. 2013 on 7th March, 2014
2. Participated in RSC-Diat-Industry meet on 'impact of Chemistry on Nanotechnology (i-CNT-2013)28-29 Oct. 2013at Department of Applied Chemistry, DIAT, Pune
3. Participated in one day workshop on 'organic electronic devices' organized by Department of Technology, Shivaji University, Kolhapur sponsored by TEQIP Phase-II on 24th Sept. 2013.
4. Participated in one day workshop on 'Discussion on F.E. Engineering Chemistry revised syllabus from the academic year 2013-14' at Bharti Vidyapeeth's College of Engineering, Kolhapur, on 30th July 2013
5. Participated in '3rd Workshop for Organizers of DST INSPIRE-Interns Science Camps' from 11th to 12th April, 2013 conducted by Pondicherry University, Brookashabad Campus and Department of Science and Technology, New Delhi, Government of India at Port Blair, A & N Islands.

6. Participated in "5th Science Conclave" at IIIT, Allahabad sponsored by DST, during 8th Dec. to 14th Dec. 2012
7. A Workshop on "A Brain Storming session for Application of Technology for Sustainable Development in the State of Maharashtra" organized by Maharashtra academy of Sciences (MASc), and Shivaji University, Kolhapur. Dated 26th and 27th Nov. 2012.
8. 10 days ISTE Workshop on "**Introduction to Research Methodology**" Conducted by Indian Institute of Technology, Bombay at Department of Technology, Shivaji University, Kolhapur sponsored by MHRD, during 25th June, 2012 to 4th July, 2012.
9. One day Workshop "Next two decades of Chemical Sciences and Technology" at NCL, Pune jointly organized by Department Of Chemistry, University of Pune, National Chemical Laboratory, Pune and Maharashtra academy of Sciences on 23 /9/2011.
10. Participated in the orientation programme on 'Advances in Teaching Strategies and Evaluation' organized by Department of Education, Shivaji University, Kolhapur, during 12th and 13th October, 2012.