Curriculum Vitae

1. **Dr. Sailaja Saha Sunkari**

Assistant Professor in Chemistry
Mahila Mahavidyalaya
Banaras Hindu University
Varanasi 221 005

2. **Languages Known**: Telugu (Mother tongue), Hindi, English, Bengali and Japanese

3. **Academic Qualifications**

Examination Passed	Board/ University	Year of passing	Percentage of Marks	Division/ Grade
High School	Board of Secondary Education, A.P.	1990	81.7	I
Intermediate	Board of Intermediate Education, A.P.	1992	78.2	I
B.Sc.	AndhraUniversity	1995	75.5	I
M.Sc.	AndhraUniversity	1997	73.1	I (***with distinction***)
Ph.D.	University of Hyderabad	Feb, 2003		

4. **Employment Details:**

- JSPS Post-doctoral Fellow: April, 2003 to May, 2005.
- DST Women Scientist: Oct.2007 to Feb. 2008
- Assistant Professor, Chemistry Section, Mahila Mahavidyalay, Banaras Hindu University: Feb. 2008 to till date

5. **Theses Supervision:**

Degree Awarded : 3 Under Guidance : 1

6. **Projects Completed/Undergoing:**

Total Amount: **~ 70 lacs INR.**

Undergoing:

DST sponsored project worth 28.37 lacs (Nov. 2015 to 2018)

Completed:

1) DRDO sponsored project worth 24.7 lacs (Aug. 2012 to 2014).

2) DST sponsored project worth 16.4 lacs (Oct. 2007 to 2010)

7. **Student & Institutional Out-reach activities:**

a) *Actively engaged in facilitating* ***MoU between BHU and Shimane University, Japan.***

b) **NSS Program Officer, since 2015.**

c) ***Conducted Science Academies' Lecture Workshop for undergraduate students for the first time in MMV (third in BHU), during 4-5th April, 2014.***

d) Member of Counselling Committee for Undergraduate Admissions, BHU, since joining University.

e) Member, "Jyoti" Magazine, Science Section of MMV.

f) Coordinates Science Debate Competitions for MMV students as part of "Manthan" Celebrations.

g) Member of several academic committees of MMV.

8. **Publications : 22**

1. Molecular Packing Dependent Solid State Fluorescence Response of Supramolecular Metal−Organic Frameworks: Phenoxo-Bridged Trinuclear Zn(II) Centered Schiff Base Complexes with Halides and Pseudohalides - Nidhi Dwivedi, **Sailaja S. Sunkari**, Abhineet Verma, and Satyen Saha, Crystal Growth and Design, **2018**, DOI: 10.1021/acs.cgd.8b00948.
2. Novel supramolecular assemblies of Co(III) & Cu(II) with diethylenetriamine and azide: Synthesis, structure, spectroscopic and Magnetic Studies - Priyanka Pandey, Goulven Cosquer, Masahiro Yamashita and **Sailaja S. Sunkari,** Chemistry Select, **2018**, *3*, 2240-2244.
3. Ligand directed structural diversity and magnetism in copper(II)-azido assemblies with isomeric aminopyridines: synthesis, structure, magnetism and theoretical studies. Priyanka Pandey, Bhagwan Kharediya, Bahjat Elrez, J-P. Sutter, G. Bhargavi, M. V. Rajasekharan and **Sailaja S. Sunkari**, Dalton Trans. **2017**, *46*, 15908-15918.
4. NIR luminescent heterodinuclear [$Zn^{II}Ln^{III}$] complexes: Synthesis, crystalstructures and photophysical properties – N. Dwivedi, S. K. Panja, A. Verma, T. Takaya, K. Iwata, **Sailaja S. Sunkari** and S. Saha. J. Luminescence. **2017**, *192*, 156-165.
5. **[**$Cu_2(en)_2(N_3)_4]_n$ – A New Member in the Family of Copper(II)-Azido Assemblies: Structural and Magnetic Studies. P. Pandey, B. Kharediya, B. Elrez, J-P. Sutter and **Sailaja S. Sunkari.** J. Coord. Chem. **2017**, *70*, 1237-1246.

6. Anion directed structural diversity in zinc complexes with conformationally flexible quinazoline ligand: Structural, Spectral and Theoretical Studies. N. Dwivedi, S. K. Panja, Monika, S. Saha,* **Sailaja S. Sunkari***. Dalton Transactions **2016**, *45*, 12053-12068.

7. Significance of weak interactions in imidazolium picrate ionic liquids: spectroscopic and theoretical studies for molecular level understanding. S. K. Panja, N. Dwivedi, H. Noothalapati, S. Shigeto, A. K. Sikder, A. Saha, **Sailaja S. Sunkari** and S. Saha. Phys. Chem. Chem. Phys., **2015**, *17*, 18167.

8. Chain of dimers to assembly of trimers: Temperature and ligand influenced formation of novel supramolecular assemblies of Cu(II) with isomeric (aminomethyl) pyridines and azide. **S. S. Sunkari**,* B. Kharediya, S. Saha, B. Elrez, J-P. Sutter, New J. Chem. **2014**, *38(8)*, 3529-3539.

9. Influence of metal to ligand molar ratios on the supramolecular structure formation of Cu(II) with diaminopropane and iodide: Synthesis, structure, spectroscopic and DFT studies – B. Kharediya, M. Shukla, S. Saha, **S. Sunkari*** J. Mol. Str. **2014**, *1062*, 158-166.

10. Temperature Influence on Supramolecular Structure Formation. Synthesis, Structure, Spectral and DFT Studies of Cu(II)-azide systems with Symmetric Diamines - B. Kharediya, **Sailaja S. Sunkari*** Polyhedron **2013**, *61*, 80 - 86.

11. Water square (uudd) in novel Cu II framework structures built from isomeric (aminomethyl)pyridines and oxalate: Synthesis, structure, spectral and DFT studies – M. Shukla, B. Kharediya, N. Srivastava, S.

Saha, **Sailaja S. Sunkari*** Polyhedron **2013**, *54*, 164 – 172.

12. Tetranuclear Copper Azido complex of 4,5-diazafluoren-9-one – B. K. Babu, A. R. Biju, **Sailaja Sunkari**, M. V. Rajasekharan -Eur. J. Inorg. Chem. **2013**, *2013*, 1444 – 1450.

13. Synthesis, structure, UV–Vis–IR spectra, magnetism and theoretical studies on CuII[(2-aminomethyl)pyridine](thiocyanate)2 and comparisons with an analogous CuII complex – M. Shukla, N. Srivastava, S. Saha, T.R. Rao, **Sailaja S. Sunkari* -** Polyhedron **2011**, *30,* 754–763.

14. Extended molecular networks based on Zn and Cd imparting *N*-substituted imidazole – A. K. Singh, M. Yadav, S. K. Singh, **Sailaja Sunkari**, D. S. Pandey. *Inorg. Chim. Acta* **2010**, *363*, 995 - 1000.

15. Novel structures based on 1-(4-cyanophenyl)-imidazole resulting from weak bonding interactions – A. K. Singh, M. Yadav, P. Kumar, S. K. Singh, **Sailaja S. Sunkari**, D. S. Pandey. *J. Mol. Str.* **2009**, *935*, 1- 7.

16. Size Controlled Gold-catalyzed Growth of Prussian Blue Nanopillars- **S. Sunkari**, S. Nagashima, M. Murata, H. Nishihara, Y. Matsui, K. Nishio and H. Masuda. *Chem. letters*, ***2006****, 35*, 406.

17. 1-Dimensional and 2-dimensional coordination network structures in the Ba-Ce-dipicH2 system (dipicH2 = dipicolinic acid) - T. K. Prasad, **S. Sailaja,** M. V. Rajasekharan. *Polyhedron* **2005,** *24*, 1487.

18. Synthesis and Structure of Coordination Polymers of Ag(I) with Isomeric (Aminomethyl)pyridines. Formation of a Novel Circular Helicate and 2-D Networks via Ag···Ag Contacts and Coordination Shell Expansion under Anion Control - **S. Sailaja**, M. V. Rajasekharan. *Inorg. Chem.***2003**, *42*, 5675.

19. Synthesis, Structure and Magnetic Properties of $[M^{nIII}(salpn)NCS]_n$, a Helical Polymer and the Dimer $[M^{nIII}(salpn)NCS]_2$. Weak Ferromagnetism in $[M^{nIII}(salpn)NCS]_n$ Related to the Strong Magnetic Anisotropy in Jahn-Teller Mn(III) ($salpn_{H2}$ = *N,N′*- bis(Salicylidene)-1,3-diaminopropane) **- S. Sailaja**, K. R. Reddy, M. V. Rajasekharan, C. Hureau, E. Rivière, J. Cano, J.-J. Girerd. *Inorg. Chem.* **2003**, *42*, 180.

20. A One-Dimensional Coordination Polymer with Alternating Ce_{N3O6} and SrN_{O7} – **S. Sailaja,** M. V. Rajasekharan. *ActaCryst.*, *E57*, m341.

21. Complexes of Ag^{I} with Cationic Ligands: bis[(pyridylmethyl)ammonio]Silver(I) Salts -**S. Sailaja**, G. Swarnabala, M. V. Rajasekharan. *Acta Cryst.***2001**, *C57*, 1162.

22. One Dimensional Coordination Polymers of Silver(I) with Aminomethylpyridines. Example of a Triple Helical Infinite Chain - **S. Sailaja,** M. V. Rajasekharan.*Inorg. Chem.* **2000**, *39*, 4586.

9. Membership of Academic Bodies

- Life Member, Chemical Research Society of India
- Life Member, Indian Crystallographic Association
- Life Member, Indian Science Congress
- Life Member, Indian JSPS Alumni Association

10. Distinctions & Extra Curricular Activities etc.:

(a) **Awarded JSPS Bridge Fellowship,** 2016**.**

(b) **Awarded DST Women Scientist (WOS-A),** May, 2007**.**

(c) **Awarded JSPS post-doctoral fellowship** (2003 to 2005).

(d) Qualified CSIR-SRF (Direct) June, 2001.

(e) Qualified GATE-97 in Chemistry.

(f) Recipient of National Merit Scholarship in S.S.C.

(g) Recipient of Hindi Scholarship in Intermediate.

(h) Recipient of A.P. State Govt.'s Merit Scholarship from Secondary School to Graduation.

(i) **Elected Students Union General Secretary during II year B.Sc**.

(j) Nominated Students Council Member during III year B. Sc.

(k) **A.P. State representative in National level Rajiv Sadbhavana Essay Competition in 2004 conducted by NSS in New Delhi.**

(l) Regularly contributed to All India Radio, Visakhapatnam in YUVA VANI (Voice of Youth) program during 1996-97.

Sailaja, S. Sunkari