

## CURRICULUM VITAE

**Miss. Soumya Sree Samal**

Junior Research Fellow

Department of Chemistry

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**Ph.D Supervisor:** Dr. E. Balaraman



### **Educational Qualifications:**

Sr.No.	Degree	Board/University	Year of Passing	Name of the Institution	CGPA/Percentage
1.	10th	Central Board of Secondary Education	2013	D.A.V. Public School, Berhampur.	9.8/10.0
2.	12th	Central Board of Secondary Education	2015	D.A.V. Public School, Berhampur.	88.6% (443/500)
3.	B.Sc	Khallikote University	2018	Khallikote Autonomous College, Berhampur.	9.0/10.0
4.	M.Sc	Pondicherry University	2020	Pondicherry University, Puducherry.	8.65/10.0
5.	PhD course-work (semester 1 and 2)	Indian Institute of Science Education and Research, Tirupati	2022-23	IISER, Tirupati	10.0/10.0

### **Academic achievements:**

- ❖ IIT-JAM in Feb 2018
- ❖ Pondicherry University M.Sc entrance test 2018 (AIR- 56)
- ❖ Utkal University M.Sc entrance test 2018.
- ❖ Central University Common Entrance Test (CUCET) 2018.
- ❖ PG senior merit scholarship, e-Medhabruti (Government of Odisha)

- ❖ PG merit scholarship, Institute of Mathematics and its Applications(IMA)(govt. of Odisha)
- ❖ Graduate Aptitude Test for Engineering (GATE) (chemistry) Feb-2021.
- ❖ National Eligibility Test (CSIR-NET) CSIR JRF-Feb 2022- All India Rank-69.
- ❖ PMR Fellowship (cycle-9).

### **Research Experience and Skills:**

- ❖ Worked as a M.Sc project fellow at Pondicherry University in the Organometallic Synthesis and Supramolecular Chemistry laboratory under the supervision of Prof. Bala. Manimaran under the project entitled ‘One pot synthesis and spectroscopic characterization of Diaminobenzoquinonediimine bridged Manganese(I) based dinuclear metallacycles.’
- ❖ Worked as a project assistant at the Organometallics and Sustainable Catalysis laboratory under the supervision of Dr. E. Balaraman at IISER Tirupati under the project entitled ‘Conversion of CO<sub>2</sub> to value-added products.’
- ❖ Have learnt handling GC, GC-MS, UV, IR, NMR, HRMS, SC-XRD, PXRD and inert gas work station (Glove box), etc. instruments.

### **Publication:**

- ❖ Chalcogenalato-bridged rhenium(I)-based ester functionalized flexible dinuclear metallacrown ethers: Cation binding, molecular recognition and docking studies. Udit Kumar, S. Verma, A. A. Sahoo, **Soumya S Samal**, J. Mohanty, A. Murali, B. Manimaran\*. *Polyhedron*, **2022**, 226, 116084. DOI: 10.1016/j.poly.2022.116084.

### **National Seminar:**

- ❖ Has presented a poster in the UGC-SAP (DSA-I) sponsored National Symposium on Recent Advances in Chemistry (NSRAC-2020) under the title ‘Synthesis and Characterization of Trithiocyanurato-bridged Manganese(I)-based hexanuclear ester functionalized helical cages.’
- ❖ Has presented a poster at the conference on Contemporary Facets in Organic Synthesis (CFOS-2022) at IIT-Roorkee under the title, ‘Expedient and selective mono-amination of diols: Sustainable approach to amino alcohols.’