CURRICULUM VITAE

Detail	Photo
Name: Dr. Swapna Sarita Mohapatra **Position:** Assistant Professor of Chemistry **Address:** Department of Chemistry Bhadrak Automous College Bhadrak-756001 **Contact:** Ph: +91-7978617011 Email: saritaswapna15@gmail.com **Google Scholar Link:** https://scholar.google.com/citations?hl=en&user=jRwFKh0AAAAJ&view_op=list_works&sortby=pubdate	

Educational Background:

Sl. No	Degree	University/Institution	Discipline	Year of completion
1	Bachelor of Science	Bhadrak Autonomous College, Bhadrak	Chemistry (Hons.)	2005
2	Bachelor of Education	Regional Institute of Education, Bhubaneswar	Science	2007
3	Master of Science	National Institute of Technology (NIT), Rourkela, Odisha, India	Chemistry	2011
4	Ph.D.	Indian Institute of Technology (IIT), Bhubaneswar	Chemistry	2019

Ph.D. thesis title: Transition Metal Catalysed of Arene/Heteroarene under Batch and Flow Conditions

Guide: Prof. Sujit Roy

Teaching Experience:

Sl. No	Position held	Name of the Institute	Joining	held Up to
1	Assistant Professor	Bhadrak Autonomous College, Bhadrak	24-01-2018	Continuing
2	Trained Graduate Teacher (TGT) in Chemistry	GEMS National Public School (NPS), Guwahati,	01-06-2007	17-04-2009

Research Experience

- March 2016 – July 2016 – University of Cambridge, UK- Project on "Utilization of Flow Chemistry in Catalysis: New Avenues in Selective Alkylation of Indoles" with Prof. Steven V Ley.
- July 2010 – June 2011 – NIT Rourkela- 1Yr MSc. Project on "Iron/Copper-Catalysed C-C Cross Coupling of Aryl Iodides with Terminal Alkynes" with Dr. Niranjan Panda
- May-July 2010 – IIT Madras- Summer project on "A Short Study of Intramolecular BaylisHillman Reaction onto Vinylogous Carbamates" with Dr. Santosh J. Gharpure

Research and Teaching Expertise:

- Organic Synthesis
- Catalysis
- Material Chemistry
- Organometallic Chemistry
- More than **7 years of teaching experiences in Organometallic and Co-ordination Chemistry.**

Awards/ Achievements and Memberships:

- National Post-Doctoral Fellowship (2017)
- Newton Bhaba PhD placement program during March-July, 2016 at university of Cambridge, UK (supervisor: Prof. Steven V. Ley)
- Institute Silver Medal for standing 1st in M.Sc in the Department of Chemistry, NIT, Rourkela (2012)
- DST-INSPIRE Fellowship (2012)
- National Eligibility Test (NET-2011)
- GATE (2011)
- 1st prize in Poster Presentation in the Annual National Science Day celebration at IIT Bhubaneswar (2013)
- 2nd prize in the Department of Chemistry seminar presentation, NIT Rourkela (2009)
- 2nd position in the district in the High School examination (1999)
- 2nd position in National Rural Talent Search (NRTS) Examination (1996)

Publications:

Journal Articles:

1. Chatterjee, P. N.; Maity, A. K.; Mohapatra, S. S.; Roy, S. HeterobimetallicIr-Sn Catalysis: Aza-Friedel-Crafts Reaction of N-Sulfonylaldimines. Tetrahedron 2013, 69, 2816-2826.

2. Das, D.; Mohapatra, S. S.; Roy, S. Recent Advances in Heterobimetallic Catalysis across "Transition Metal–Tin" Motif. Chem. Soc. Rev. 2015, 44, 3666-3690.

3. Mohapatra, S. S.; Mukhi, P.; Mohanty, A.; Pal, S.; Sahoo, A. O.; Das, D.; Roy, S. Palladium (II) in electrophilic activation of aldehydes and enones: efficient Cfunctionalization of indoles. Tetrahedron Lett. 2015, 56, 5709-5713.

4. Mukhi, P.; Mohapatra, S. S.; Bhattacharjee, M.; Ray, K. K.; Muraleedharan, T. S.; Sathyavathi, R.; Satyam, P. V.;

Panda, A. K.; Biswas, A.; Nayak, S.; Bojja, S.; Pratihar, S.; Arun, A.; Juluri, R. R.; Roy, S. Mercury Based Drug in Ancient India: The Case of Red Sulfide of Mercury in Nanoscale Journal of Ayurveda and Integrative Medicine 2017, 8 (2), 93-98.

5. Mohapatra, S. S.; Wilson, Z. E.; Roy, S.; Ley S. V. Utilization of Flow Chemistry in Catalysis: New Avenues for the selective synthesis of Bisindolylmethanes Tetrahedron 2017, 73, 1812-1819.

FDP/ Refresher Courses

1. Orientation Programme in Gender Education at HRDC, Utkal University from 12.02.2020 to 03.03.2020.
2. Refresher Course in Envirnmental Science at HRDC, Utkal University from 12.03.2021 to 25.03.2021.
3. Short Term Course in Leadership Development at HRDC, Utkal University from 23.08.2021 to 27.08.2021.
4. Refresher course in indigenous knowledge system (blended mode) held from 30.01.2024 to 12.02.2024 at UGC-MMTTC, Utkal University

Conferences, Workshops

Convener

- Two days National Seminar on New Trends in Chemical Sciences organized by Department of Chemistry, Bhadrak (Autonomous) College, 12-13 April 2023.

Attended (Talks and Poster presentations)

- "Palladium (II) Catalyzed Efficient C-3 Functionalization of Indoles with Various Electrophiles", Poster presented in the Annual National Science Day celebration, 28th February 2015, IIT Bhubaneswar.
- "Palladium (II) Catalysed Efficient C-3 Functionalization of Indoles with Various Electrophiles", Poster presented at the 17th CRSI National Symposium in Chemistry, NCL Pune, February 06-08, 2015.
- "Transition metal–Sn Heterobimetallics: Why, What, How?",Poster presented in the Annual National Science Day celebration, 28th February, 2014, IIT Bhubaneswar.
- "Bimetallic Ir-Sn Catalysis in Aza-Friedel-Crafts Reaction of N-tosylAldimines", Talk presented at the National Conference on "Recent Developments in Chemical Science & Technology: Young Scientists' Meet (RDCST-2014)"; NIT Rourkela, March 15-16, 2014.
- "Two to Win- Ir-Sn Catalysis: aza-Friedel-Crafts Reaction of N-tosylAldimines", Talk presented at the National Seminar on "Recent Trends in Chemical Sciences"; Sambalpur Univ., March 16-17, 2013.
- "Two to Win- Ir-Sn Catalysis: aza-Friedel-Crafts Reaction of N-tosylAldimines", Poster presented in the Annual National Science Day celebration, 28th February 2013, IIT Bhubaneswar. (Awarded 1st prize)

- "Two to Win: New Avenues in Sustainable Chemistry and Catalysis", Poster presented in the Annual National Science Day celebration, 28th February 2012, IIT Bhubaneswar.

Position held in current institute

- Warden of Pratikshya Women's Hostel, Bhadrak Autonomous College, Bhadrak (July, 2020-continuing)
- OIC, Higher Secondary Admission
- Co-Ordinator, Self-defense program (2019 - 2024)
- Advisor, Self-defense program (2024-continuing)

Course taught

UG: CC-I (Theory and Practical): Inorganic Chemistry-I

GE-I (Theory and Practical)

CC-III (Theory and Practical): Organic Chemistry-II

GE-II (Theory and Practical)

CC-V (Theory and Practical): Inorganic Chemistry-II

GE-III (Theory and Practical)

CC-VIII (Theory and Practical): Inorganic Chemistry-III

GE- IV (Theory and Practical)

DSE-II (Theory and Practical): Green Chemistry

CC-XIII (Theory and Practical): Inorganic Chemistry-IV

DSE-III (Theory and Practical): Industrial Chemicals and Environment

DSE-IV: Dissertation

PG: CC-I01/111: Inorganic Chemistry-I

CC-I05/115: Practical-I

CC-201/211: Inorganic Chemistry-II

CC-301/311: Spectroscopy-II

CC-303/313: Bioinorganic and Supramolecular Chemistry

CC-403/413: Organo-Transition Metal Chemistry

CC-405/415: Project work

Mentoring Experience

- Guided more than 100 UG and PG students