Name: **SANTOSH KUMAR SAHU**
Designation: **Guest Faculty**
Date of joining: **10.05.2022**
Department: **Chemistry**
Contact No: **7008599586**
Email Id: sahu.santoshkumar3@ gmail.com

Educational Qulification

Sl No.	Qulifaction	Year Of Passing	Subject	Name of university
1	H.S.C	2003	Science, Eng, Odia, Soc. Sc.	Neelakntha saraswati vidya mandir, berhampur
2	C.H.S.E	2005	Eng, Odia , Phy, Chem, Math, Biology,	Binayak Acharya jr. College, Berhampur
3	B,Sc	2009	(Chemistry Hons), Phy, Chem, Math	Khallikote Auto. College, Berhampur
4	M,Sc	2011	Organic Chemistry, (Specialization)	Ravenshaw university, Cuttack
5	M.Phil	2015	Physico-Chemical studies of Thermo-Acqustic parameters of glucose in Aqueo-alcoholic solutions	Berhampur university, Berhampur
6.	Ph.D.	Thesis Submitted 2022	Copper Based Bimetallic Catalyst for Cross- Coupling Reactions	Berhampur university, Berhampur

Research Area: Synthetic Organic Chemistry

Teaching Experience:

(2015-2018) Undergradute chemistry in Binayak College, Berhampur

(2018-2022) Undergradute and Postgraduate in Khallikote College, Berhampur

Awards and Recognitions:

- **NET-LS-2011, CSIR India (National Eligibility test for Lectureship)**
- **Best Poster Award in SVNIT, Surat, India; International conference MTM-2021,**

Publication Details

1. S. K. Sahu, P. Choudhury, P. K. Behera, T. Bisoyi, R. R. Sahoo, A. Bisoyi, K. R. Gorantala, B.S. Mallick, M. Mohapatra and. L. Rout , Efficient Oxygen Bridged Bimetallic CuSeO3.2H2O Catalyzed (CSP2-CSp) Sonogasira Cross-Coupling of Terminal Aryl Acetylene with Haloarenes, New. J. Chem, 2022, 46, 1650-1657
2. P. K. Behera, P. Choudhury, S. K. Sahu, R. R. Sahu, A. N. Harvat, C. McNulty, A. Stitgen, J. Scanlon, M. Kar and L. Rout, A. J. Org. Chem. 2021, 10, 1117-1122.
3. P.Choudhury,P. K. Behera,T. Bisoyi, S. K. Sahu, R. R. Sahu, S. R. Prusty,A. Stitgen,J. Scanlon,

M. Kar andL. Rout. Efficient oxygen bridged bimetallic CuSeO3.2H2O catalyzed dehydrogenative oxidation of benzylic alcohol.New. J. Chem, 2021, 45, 5775-5779

4. S.K. Sahu, P. K. Behera, M. C. Maity, P. Behera, A. Swain, R. K. Sahu, S. Panda and L. Rout, Strategy for Synthesis of Structural Analogues of Artemisinin, Res. J. Berham. Univ. 2021, 3, 69-82, 2021, ISSN 2250-1681
5. S. K. Sahu, P. K. Behera, P. Choudhury, M. Sethi, S. Jena, and L. Rout, Recent advance in [3+2] cycloaddition of allene with 1,3-carbonyl ylide; Rh(II) catalyzed access to bridged polyoxocarbocyles; New. J. Chem, 2021, 45, 11018-11029;
6. S. K. Sahu, P.K. Behera, P. Choudhury, S.Panda, L. Rout, Developments in chemistry and biological application of cotarnine& its analogs " Tetrahedron 2020, 76, 131663
7. S. K. Sahu, P.K. Behera, P. Choudhury, S.Panda, L. Rout, Strategy and Problems for Synthesis of Antimalaria Artemisinin (Qinghaosu), Chemistry Select, 2020, 29, 12333-12344
8. S. Panda, R. Panigrahi, P. Behera, S. K. Sahu and L. Rout, Bimetallic BaMoO4 Nanoparticle for C-S Cross-Coupling of Thiols with Haloarene New J. Chemistry, 2020, 44, 2500-2504
9. R. Panigrahi, S. Panda, P. Behera, S. K. Sahu and L. Rout, CuMoO4 Bimetallic Nanoparticles, An Efficient Catalyst for Room Temperature C-S Cross-coupling of Thiols and Haloarenes; Chem. Eur. J, 2020, 26, 620-624
10. R. Panigrahi, S. Panda, P. K. Behera, S. K. Sahu, L. Rout, Recyclable Bimetallic CuMoO4 Nanoparticle for C-N Cross-Coupling Reaction Under Mild Condition New J. Chemistry, 2019, 43, 19274-19278.

CONFERENCE ABSTRACT

1. A. Swain, S. K. Sahu, P. Beheraa and L. Rout, P25: Copper Mediated [3+2] Cycloaddition of Carbonyl Ylide and Allenes for Synthesis of Anti-Malaria Artemisinin Analogues 25-27TH March 2022. 28th CRSI National Symposium in Chemistry, IIT Guwahati
2. S. K.Sahu, N. Panigrahi and L. Rout, P225: Copper Based Bimetallic Catalyst for C-Se Cross-coupling Reaction; 25-27TH March 2022. 28th CRSI National Symposium in Chemistry, IIT Guwahati
3. S. K. Sahu, P. K. Behera, P. Choudhury, R. Panigrahi, S. Panda, P. Behera, A. Swain and L. Rout* Developing air stable, recyclable and ligand free novel oxygen bridged bimetallic catalyst [M1-O-M2] for organic reactions; XVII-JNOST-2022, School of Chemistry, University of Hyderabad; January 06-09, 2022
4. S. K. Sahu, P. K. Behera, P. Choudhury, P. Behera, A.Swain, R. K. Sahua and L. Rout ; Copper based Bimettallic Catalyst for Sonoghasira Cross-Coupling, 17-18th December 2021. Molecules to Materials organized by SVNIT, Surat, India; International conference MTM-2021, SVNIT,
5. S. K. Sahu, J. Sahoo, A. Swain, C. Choudhury, L. Rout. Copper Based bimetallic catalyst for C-Scross-coupling;N-COS-2020, 2nd-3rd March 2020, Berhampur University
6. S. K. Sahu, L.Rout, Bimetallic heterogeneous nano catalysis used in oxidation;IC-CBSDD-2019,8th-10th March 2020, Berhampur University.

Workshop

- Supporting Chemistry Research with modern DFT (Density Functional Theory): Software, Techniques, and Applications" Department of Chemistry, Sankalchand Patel University, Gujarat
- Research Methodology Workshop for Science-2019 (RSMWS-BU-2019)
- Research Methodology Workshop -2019 (RSMBU-2019)
- Workshop on Basic Aspects and Applications of NMR Spectroscopy" conducted by IISER Berhampur and NMRS India, 2018