

Staff Details

Title	DR.	First Name	LAXMI NARAYAN	Last Name	SAHOO	Photograph
Designation	Assistant Professor					
Department	Chemistry					
Phone Number (Office)	9438287704					
Email	laxminarayanchem@gmail.com					
Educational Qualifications						
Subject	Institution		Year		Details	
Ph.D.	Indian Institute of Technology Madras, TN		2014		Synthetic Organic Chemistry Under the supervision of Prof. D. Loganathan Thesis title: Synthetis and structural investigation of glycoconjugate models and mimetics	
PG	Utkal University, Odisha		2006		Chemistry	
UG	Samanta Chandra Sekhar (Auto) College, Puri under Utkal University, Odisha		2004		Chemistry (Hons)	
Professional Experiences						
Organisation/ Institution		Designation		Duration		Role
NIST Berhampur, Odisha		Assistant Professor of Chemistry		24.07.2014-12.11.2015		Teaching and research
State Forensic Science Laboratory, Rasulgarh, Bhubaneswar, Odisha		Scientific Officer		13.11.2015-26.02.2016		Crime scene investigation, scientific report
District Forensic Science Laboratory, Puri, Odisha		Scientific Officer		26.02.2016-23.01.2018		Crime scene investigation, scientific report

Government Science College Chatrapur, Ganjam, Odisha	Assistant Professor of Chemistry	24.01.2018-till date	Teaching and research
Teaching Experience (Subjects/Courses Taught)			
8 years, Chemistry (B.Tech), Organic chemistry at UG and PG level Course taught- Chemistry core-3, Core-9, Core-11, Core-14, DSE-1 GE-1, GE-2, GE-3 and GE-4 (UG level) C-101, C-201 (PG Level)			
Honors & Awards			
UGC JRF-2006 CSIR JRF-2006 UGC SRF-2009			
Publications Link to google scholar page: https://scholar.google.co.in/citations?hl=en&user=83UxJgAAAAJ&view_op=list_works&sortby=pubdate			
<p>Click mediated synthesis of functionalized glycolipids with peptide-peptoid linkages A Singhamahapatra, C Pattnaik, BP Kar, GC Nayak, LN Sahoo, S Sahoo Journal of the Serbian Chemical Society 88 (7-8), 715–727-715–727</p> <p>Green synthesis of glucose-capped stable silver nanoparticles: A cost-effective sensor for the selective detection of Hg²⁺ ions in aqueous solutions C Pattnaik, R Mishra, AK Sahu, LN Sahoo, NK Sahoo, SK Tripathy, ... Sensors & Diagnostics 2 (3), 647-656</p> <p>Structural elucidation of N-amidothiourea derived from nicotinic acid hydrazide: A detailed study of its application as selective anion sensor C Pattnaik, A Singhamahapatra, R Parida, SC Sahoo, LN Sahoo, ... Results in Chemistry 5, 100693</p> <p>Mosquito repellent: a novel approach for human protection A Singhamahapatra, L Sahoo, S Sahoo Molecular identification of mosquito vectors and their management, 149-178</p> <p>5-Benzoyl triazole as new structural dimension in glycoconjugates L Sahoo, S Kundu, A Singhamahapatra, NK Jena, GC Nayak, S Sahoo Carbohydrate research 469, 23-30</p>			

Synthesis of 1, 3-divalent glycoconjugates with diverse structures and their functionalization
L Sahoo, A Singhamahapatra, S Sahoo
Journal of the Serbian Chemical Society 83 (5), 539-548

Synthesis of glycopeptoid sulfonamides diversifying N-glycopeptide linkage region mimics
A Singhamahapatra, L Sahoo, B Varghese, D Loganathan
RSC Advances 4 (35), 18038-18043

Regioselective opening of unsymmetrical cyclic anhydrides: synthesis of N-glycosylated isoasparagine and isoglutamine conjugates
L Sahoo, A Singhamahapatra, V Ramkumar, D Loganathan
RSC Advances 4 (42), 22042-22047

Diversity oriented synthesis of novel haloglycolipids potentially useful for crystallization of integral membrane proteins
L Sahoo, A Singhamahapatra, D Loganathan
Organic & Biomolecular Chemistry 12 (16), 2615-2625

Synthesis of divalent glycoamino acids with bis-triazole linkage
L Sahoo, A Singhamahapatra, K Kumar, D Loganathan
Carbohydrate research 381, 51-58

Improved synthesis of per-O-acetylated C1 hydroxyglycopyranose and structural study as non-covalent organic framework
A Singhamahapatra, L Sahoo, KJV Paul, B Varghese, D Loganathan
Tetrahedron Letters 54 (45), 6121-6124

Clickable glycopeptoids for synthesis of glycopeptide mimic
A Singhamahapatra, L Sahoo, D Loganathan
The Journal of Organic Chemistry 78 (20), 10329-10336

SnCl₄/Sn catalyzed chemoselective reduction of glycopyranosyl azides for the synthesis of diversely functionalized glycopyranosyl chloroacetamides
L Sahoo, A Singhamahapatra, KJV Paul, D Loganathan
Tetrahedron Letters 54 (39), 5361-5365

Per-O-acylation of Glycans Using in situ Generated Acid Anhydride.
A Singhamahapatra, L Sahoo, S Kundu, D Loganathan

Trends in Carbohydrate Research 5 (3)

Synthesis of N-(β -D-Glucopyranosyl) alkoxyacetamides as Novel Glycolipids.
KJV Paul, L Sahoo, D Loganathan
Trends in Carbohydrate Research 4 (4)

A novel strategy toward the synthesis of N-(β -glycosyl) asparagines based on the alkylation of ethyl nitroacetate using N-(β -glycosyl) iodoacetamides
KJV Paul, L Sahoo, D Loganathan
Tetrahedron Letters 51 (43), 5713-5717

Trends Carbohydr
KJV Paul, L Sahoo, V Sorna, D Loganathan
Res 2, 21

An improved procedure for the synthesis of fully acetylated N-(β glycosyl) azidoacetamides and N-(β -glycosyl) iodoacetamides useful as chemical ligating agents
KJV Paul, L Sahoo, V Sorna, D Loganathan
Trends Carbohydr. Res 2, 21-28

Public Service / University Service / College Service /Consulting Activity/College Committee members

Member: Academic Staff Council, Berhampur University
Accounts Bursra-Government Science College Chatrapur
IQAC-Coordinator- Bursra-Government Science College Chatrapur

Professional Societies Memberships

Life member: Odisha Chemical Society

Projects (Major Grants/Collaborations)

Minor Research Grant- Rs. 4.86 lakhs funded by OSHEC, Government of Odisha under OURIIP

Other Details if any

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