

1. Personal Information:



Dr. Laxmidhar Rout
UGC-Assistant Professor
Department of Chemistry, Berhampur University
Bhanjavihar, Ganjam, Odisha-760007
E-mail: routlaxmi@gmail.com, ldr.chem@buodisha.edu.in, ldriitg@gmail.com.
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Current Position:

UGC-Assistant Professor, Berhampur University, Odisha. (From September 2014-)

Visiting Faculty, IISER Berhampur (From August 2019-continuing)

2. Research Area:

Synthetic Organic Chemistry (Methodology based total synthesis of small anti-malaria and anti-cancer molecule, C-H Activation; Stereo selective Synthesis, Synthesis of Heterocyclic).

RESEARCH INDEX:

Google scholar	qe6nq4QAAAAJ&hl
Orchid profile	0000-0002-1432-2559
Scopus	10041579400
Web of Science Researcher	M-1808-2015
Vidwan profile	115653
Pubfact	
Publons	2356907
Research Gate	https://www.researchgate.net/profile/Laxmidhar_Rout

Total Citations by 2021	2604
h-index	19
i10-index	22

Personal Website: <http://www.geocities.ws/rout/>

3. Educational Qualification:

High School, 1992; BSE Odisha, KKGP High School Chandimal, Basudevpur, Bhadrak

I. Sc. 1994; CHSE, Odisha, Atal Bihari College Basudevpur, Bhadrak

B. Sc. 1997; Atal Bihari College Basudevpur, Bhadrak

B.Ed 1999, College of Teacher Education; Balesore
M. Sc. 2003 Utkal University (Organic Chemistry Specialization) (Supervisor, Prof. Satyaban Jena)
Ph. D. 2008 IIT Guwahati (Synthetic Organic Chemistry) (Supervisor, Prof. T. Punniyamurthy)

4. Work Experience:

Postdoctoral Research Experience: 6.5 year

2008-2010 University of Minnesota, Twin city, USA (Prof. A .M. Harned)
2010-2011 University of Texas, San Antonio, (NIH)USA (Prof. C. G. Zhao)
2011-2013 Technical University Munich, Germany (Humboldt (AVH) Fellow) (Prof. S. M. Huber)
2013-2014 Institute of Curie, Paris, France (FPGG Fellow) (Dr. B. Emmanuel & L. Johannes)

Teaching Experience: 7 year

2014-Cont. UGC-Assistant Professor, Berhampur University (Organic Chemistry)
2018-Cont. Visiting Faculty; IISER Berhampur (Organic Chemistry)

Teaching assignments:

Stereochemistry, Asymmetric Synthesis, Pericyclic Reaction (M. Sc. Semester I)

Name reaction, Organic Spectroscopy (M. Sc. Semester II)

Retro Synthesis (M. Sc. Semester III)

Retro Synthesis, Reagents in Organic Synthesis (M. Sc., M.Phil /Ph.D)

Pericyclic reaction, Stereochemistry, Organic Practical (M.Sc. Semester I/IV)

Advanced Organic Chemistry (M.Sc. Semester IV)

Bio-organic Chemistry, Reaction mechanism (MSc Semester-IV)

Physical Organic Chemistry-CHM-411, IISER Berhampur

Advance Asymmetric Catalysis-CHM-613, IISER Berhampur

5. Dissertation/ Thesis Supervision

PhD supervision as sole Guide

Slno	Student Name	Thesis Title (PhD)	Status
1	S. K. Choudhury	Synthesis of isoquinoline alkaloid derivatives by activation of C-H bonds	Completed 16/02/2019
2	Reba Panigrahi	Heterogeneous Catalyst for Cross-Coupling Reactions	Completed 07/09/2020

5	S. K Sahu	Copper Based Bimetallic Catalyst for Cross-Coupling Reactions	Continuing
6	S. Panda	Oxygen bridged bimetallic catalyst for cross-coupling reaction	Continuing
7	P. Behera	To be decided	Continuing

M. Phill Thesis Supervision: as sole guide 7

Sl no	Student Name	Thesis Title (M. Phil)	Status
1	Reba Panigrahi	Metal catalyzed C-N Cross coupling	Completed/2015
2	Swagatika Rath	Oxidation of Tertiary Amine to <i>N</i> -Oxides	Completed/2015
3	Subhalaxmi Panda	Synthesis and use of Chiral allenes	Completed/2017
4	Rosy Mohallik	C-N Cross-coupling by heterogeneous catalyst	Completed/2017
5	Subhashree Padmaja Behera	Oxidation of Alcohol by heterogeneous catalyst	Completed/2017
6	Pradyato Kumar Behera	Bimetallic Heterogeneous catalyst for Oxidation Reaction	Completed/2018
7	Prabhupada Choudhury	Bimetallic catalyst for oxidation of alcohol	Completed/2021

Project Students Guided

Sl no	Student Name	Project Name	Status
1	S. Panda	DOS Approach for Synthesis of Sesquiterpene Anti-malaria Drugs: SERB/EMR/2016/006898, SERB, EMR India	2017-2020
2	P K Behera	Diversified Chiral Hemicotarnines For Future Cancer Drug, Science & Technology, Govt. of Odisha	2018-2021
3	Amlan Swain	<i>Copper based bimetallic heterogeneous nano-catalyst for cross-coupling reaction</i>	2021-2024

(M. Sc Dissertation Thesis Guided)

Sl no	Student Name	Thesis Title (M. Sc Dissertation)	Year
1	Jeetendra Panda	Synthesis of Chiral allenes	2015
2	Abhisek Mishra	Mn-catalyzed C-N Cross coupling reaction	2015

3	Vedaprakash Panda	Diversification of Benzofuran derivatives	2015
4	Manisha Khadanga	Mn-Catalyzed Oxidation of Tertiary Amine to <i>N</i> -Oxides	2015
5	Aditya Prasad Dalei	CuO Catalyzed Oxidation of Benzyl Alcohol with H ₂ O ₂	2015
6	Lingaraj Behera	Nitration of aromatic Compounds	2017
7	Jyotiranjana Mishra	Synthesis of N-oxides	2017
8	Nikhil Kumar Sahoo	Synthesis of bis-Phenol	2017
9	Satyaranjan Samal	Reduction of Allyl alcohol	2017
10	Biresh Chandra Palia	Oxidative conversion of aniline to Azobenzene	2017
11	Sidhartha S.Pradhan	Heterogeneous Cross-coupling Reaction	2017
12	Pragati Rout	Bimetallic Catalyst for heterogeneous Oxidation	2018
13	Sunita K.Panda	Synthesis of cyclohexane to cyclohexanone	2018
14	Nikita Panda	Synthesis of diphenyl amine	2018
15	Subhradeep Kar	Synthesis of (4- amino phenyl) phenyl ether	2018
16	Sairam Pradhan	Synthesis of 4-Bromobenzaldehyde from 4-Bromobenzylalcohol	2018
17	Prabhat K. Maharana	Synthesis of (4- methoxy phenyl) benzylether	2018
18	Panchanan Panigrahi	Synthesis of (2- chloro phenyl) phenyl sulphide	2018
19	Sudhir Kumar Hota	Synthesis of cyclohexanone from cyclohexanol	2018
20	Satyabrata Sendh	Synthesis of Allene Carboxylate by Wittig Mechanism	2019
21	Asutosh Panda	Oxidation of Cyclohexanol	2019
22	Bulu Sahu	Synthesis of 4-chlorobenzaldehyde	2019
23	Raj Kiran Sahu	Synthesis of 4-bromobenzaldehyde	2019
24	Rajat Mahalik	Synthesis of p-methoxy benzaldehyde	2019
25	Abinash Biswal	Synthesis of p-bromobenzaldehyde	2019
26	Aradhana Sahoo	Synthesis of 2-methyl N-phenyl aniline	2019
27	Ankita Pattnaik	Synthesis of 2-methyl N-phenyl aniline	2019
28	Jyotsnarani Behera	Synthesis of 2-methyl N-phenyl aniline	2019
29	Swadhin S. Behera	Synthesis of 4-bromo N-phenyl aniline	2019
30	Namita Dalei	Synthesis of 4-chloro N-phenyl aniline	2019
31	Manoj Sethi	Synthesis of 4-methoxy N-phenyl aniline	2019
32	Swati Samantroy	Synthesis of 2-methyl N-phenyl aniline	2019
33	Satyajit Nanda	Synthesis of N-Phenyl Indole	2019
34	Meenakshi Sethi	Synthesis of N-phenyl imidazole	2019

35	Ajeena Sahoo	Synthesis of 4-chlorobenzaldehyde from 4-chlorobenzylalcohol	2020
36	Subhakalyani Nayak	Synthesis of 4-methoxybenzaldehyde from 4-methoxybenzylalcohol	2020
37	Bikash K Sarangi	Synthesis of 4-methylbenzaldehyde from 4-bromoobenzylalcohol	2020
38	Satabdi Acharya	Synthesis of 4-bromobenzaldehyde from 4-methyl benzylalcohol	2020
39	Madhab C. Maity	Synthesis of ant-diabetic 1-((1H-indol-4-yl)oxy)-3-(t-butyl)4-methylbenzyl) amino) propan-2-ol	2020
40	Jyotiranjana Sahoo	Synthesis of N-(4-nitrophenyl aniline)	2020
41	Arpita Swain	Synthesis of phenyl-(p-toluy) sulfane)	2020
42	Chinmayee Choudhury	Synthesis of N-(4-nitrophenyl aniline)	2020
43	Saisushree Rath	Synthesis of phenyl-(p-toluy) sulfane)	2020
44	Gayatri Mohanty	Synthesis of N-(4-nitrophenyl aniline)	2020
45	Smruti Ranjita Prusty	Acceptorless dehydrogenation of (4-bromophenyl)methanol	2021
46	Madhusudan Sethi	Synthesis of 1-methyl-4-(phenylethynyl)benzene	2021
47	Tanmayee Bisoi	Bimetallic catalyst for alcohol oxidation	2021
48	Abinash Bisoyi	Synthesis of 4-(4-methoxyphenoxy)benzonitrile	2021
49	Rasmi Ranjan Sahoo	Synthesis of 1-methoxy-4-(phenylethynyl)benzene	2021
50	Gopal Krushna Sahoo	Synthesis of 1-methoxy-4-((4-nitrophenyl)ethynyl)benzene	2021
51	Asutosh Patra	Synthesis of 1-(4-((methoxyphenyl)ethynyl)phenyl)ethanone	2021
52	Manorama Sethi	Synthesis of Acetophenone	2021
53	Itishri Beher	Bimetallic catalyst for sonogashira cross-coupling	2021
54	Motimala Sethi	Synthesis of 1,2-diphenylethyne	2021
55	Namuna Panigrahi	Synthesis of 1-(4-(4-methoxyphenoxy)phenyl)ethanone	2021
56	Mausumi Acharya	Synthesis of 1,2-bis(4-methoxyphenyl)ethyne	2021

6. Research Publication

Sl	Title	Author	Details	DOI	IF
33	Efficient Oxygen Bridged Bimetallic CuSeO ₃ .2H ₂ O Catalyzed (C _{SP2} -C _{Sp}) Sonogasira Cross-Coupling of Terminal Aryl Acetylene with Haloarenes	S. K. Sahu, P. Choudhury, and L. Rout et al	<i>NJC</i> , 2021	2021	3.6
32	Recent advance in [3+2] cycloaddition of allene with 1,3-carbonyl ylide; Rh(II) catalyzed access to bridged polyoxocarbocycles;	S. K. Sahu, and L. Rout et al	<i>New. J. Chem</i> , 2021 45, 11018-11029	10.1039/D1NJ02034J	3.6
31	Oxygen bridged bimetallic CuMoO ₄ nanocatalyst; [Cu-O-Mo] for dehydrogenative benzylic alcohol oxidation and DFT study	P.K. Behera, and Prof. L. Rout et al	<i>A. J. Org. Chem.</i> 2021 10, 1117-1122	10.1002/ajoc.202100192	3.5
30	Efficient oxygen bridged bimetallic CuSeO ₃ .2H ₂ O catalyzed dehydrogenative oxidation of benzylic alcohol.	P. Choudhury, and Prof. L. Rout et al	<i>New. J. Chem</i> , 2021, 45, 5775-5779	https://doi.org/10.1039/D1NJ00712B	36
29	Recent Advances in Transition-Metal-Mediated C _{sp2} -B and C _{sp2} -P Cross-Coupling Reactions,	L. Rout, T. Punniyamurthy	<i>Coordination Chemistry Review</i> , 2020, 431, 213675,	https://doi.org/10.1016/j.ccr.2020.213675,	15.5
28	Chemotherapeutic efficacy of curcumin and resveratrol against cancer: Chemoprevention, chemoprotection, drug synergism and clinical pharmacokinetics,	S. Patra; B. Pradhan; R. Nayak; C. Behera; L. Rout, M. Jena, T. Efferth, S. K. Bhutia,	<i>Seminars in Cancer Biology</i> , 2020, 73, 310-320	https://doi.org/10.1016/j.semcancer.2020.10.010	15.09
27	Developments in chemistry and biological application of cotarnine & its analogs ”	S. K. Sahu, P.K. Behera, P. Choudhury, S.Panda, L. Rout,	<i>Tetrahedron</i> 2020, 76,50, 131663	https://doi.org/10.1016/j.tet.2020.131663	2.8
26	Strategy and Problems for Synthesis of Antimalaria Artemisinin (Qinghaosu)	S. K. Sahu, P.K. Behera, P. Choudhury, S.Panda, L. Rout,	<i>Chemistry Select</i> , 2020, 29, 12333-12344	https://doi.org/10.1002/slct.202002885	1.8
25	Bimetallic BaMoO ₄ Nanoparticle for C-S Cross-Coupling of Thiols with Haloarene	S. Panda, R.; Panigrahi, P. Behera, S. Sahu, L. Rout,	<i>New J. Chemistry</i> , 2020, 44, 2500-2504.	10.1039/C9J05581A.	3.1
24	CuMoO ₄ Bimetallic Nanoparticles, An Efficient Catalyst for Room Temperature C-S Cross-coupling of Thiols and Haloarenes;	R. Panigrahi, S. Panda, P. Behera, S. Sahu, L. Rout,	<i>Chem.- Eur. J</i> , 2020, 26, 620	10.1002/chem.201904801	5.7
23	Recyclable Bimetallic CuMoO ₄ Nanoparticle for C-N Cross-Coupling Reaction Under Mild Condition	R. Panigrahi, S. Panda, P. Behera, S. Sahu, L. Rout,	<i>New J. Chemistry</i> , 2019 43, 19274	10.1039/C9NJ04436A	3.1

22	Synthesis of of acyl derivatives of cotarnine	L. Rout, B. Emmanuel, A. K. Sahoo	<i>Org. Synth</i> , 2018 , 95, 455	10.15227/orgsyn.095.0455	1.5
21	Metal Free Activation of C(SP3)-H Bond, Practical and Rapid Synthesis of Privileged 1-Substituted-1,2,3,4-Tetrahydroisoquinolines,	L. Rout, J.-C. Florent, L. Johannes, S. K. Choudhury, P. Rout, E. Bertounesque,	<i>Eur J. Org. Chem</i> 2017 , 35, 5275-5292	10.1002/ejoc.201700471	2.9
20	Metal-Free Activation of a C(sp)-H Bond of Aryl Acetylenes	L. Rout, J.-C. Florent, L. Johannes, S. K. Choudhury, J. Scanlon, E. Bertounesque,	<i>Chem. - Eur. J.</i> 2016 , 22,14812–14815	10.1002/chem.201603003	5.7

Publication during Postdoc:

19	Activation of a Carbonyl Compound by Halogen Bonding	S. H. Jungbauer, F. Kniep, S.M. Walter, S. Schinder, L. Rout, S. M. Huber;	<i>Chem. Comm</i> , 2014 , 50 , 6281	10.1039/C4CC03124E	6.3
18	Multidentate Halogen-Bond Donors as Lewis Acidic Activators or Catalysts in Halide Abstraction Reactions	S. H. Jungbauer, F. Kniep, S.M. Walter, S. Schinder, L. Rout, S. M. Huber;	<i>Synlett</i> , 2013 , 24, 20, 2624-2628,	10.1055/s-0033-1338981	2.3
17	5-Iodo-1,2,3-triazolium-based multidentate halogen-bond donors as activating reagents,	F. Kniep, L. Rout, S.M. Walter, H. K. V. Bensch, S. H. Jungbauer, E. Herdtweck, S. M. Huber	<i>Chem. Comm</i> , 2012 , 48, 9299	10.1039/C2CC34392D	6.3
16	Synthesis of Isothermal Calorimetric Titrations on Charge-Assisted Halogen Bonds: Role of Entropy, Counter ions, Solvent, and Temperature	S. M. Walter, F. Kniep, L. Rout, F. P. Schmidtchen, E. Herdtweck, S. M. Huber	<i>J. Am. Chem. Soc.</i> 2012 , 134, 8507	10.1021/ja2119207	14.6
15	Synthesis of α -Arylphosphonates Using Copper-Catalyzed α -Arylation and Deacylative α -Arylation of α -Ketophosphonates.	L. Rout, S. Regati and C. G. Zhao,	<i>Adv. Synth. Catal.</i> 2011 , 353, 3340	10.1002/adsc.201100605	5.6
14	Organocatalytic Highly Enantioselective Synthesis of α -Formyl- α -hydroxyphosphonates;	S. Perera, V. K. Naganaboina, L.Wang, B. Zhang, Q. Guo, L. Rout, C.-G. Zhao;	<i>Adv. Synth. Catal.</i> 2011 , 353, 1729.	10.1002/adsc.201000835	5.6
13	Axial Chiral Allenes as Dipolarphiles in Rh-Catalyzed Carbonyl Ylide Cycloaddition.	L. Rout and A. M. Harned.,	<i>Chem. Eur. J.</i> 2009 ,15, 12926.	10.1002/chem.200902208	5.6

Publication during PhD:

12	CuO Nanoparticles Catalyzed C–N, C–O, and C–S Cross-Coupling Reactions: Scope and Mechanism	S. Jammi, L. Rout, S. Sakthivel, T. Mukherjee, S. Mandal, R. Mitra, P. Saha, T. Punniyamurthy	<i>J. Org. Chem.</i> 2009 , <i>74</i> , 1971.	10.1021/jo802425310.1021/jo8024253	4.5
11	Synthesis, Structure, and Application of Self-Assembled Copper(II) Aqua Complex by H-Bonding for Acceleration of the Nitroaldol Reaction in Water	S. Jammi, Md A. Ali, S. Sakthivel, L. Rout, T. Punniyamurthy	<i>Chem. Asian. J.</i> 2009 , <i>4</i> , 314-320.	10.1002/asia.200800339	4.1
10	Synthesis, Crystal Structure and Application of Chiral Copper(II) Polymers for Asymmetric Acylation of Secondary Alcohols.	S. Jammi, L. Rout, P. Saha, V. K. Akhilagunta, S. Sanyasi and T. Punniyamurthy,	<i>Inorg. Chem.</i> 2008 , <i>12</i> , 5093, DOI: 5093, DOI:	10.1021/ic800228c	4.5
9	Efficient Ligand-Free Nickel-Catalyzed C-S Cross-Coupling of Thiols with Aryl Iodides	. S. Jammi, P. Barua, L. Rout, P. Saha, T. Punniyamurthy,	<i>Tetrahedron. Lett.</i> 2008 , <i>49</i> , 1484.	10.1016/j.tetlet.2007.12.118	2.5
8	Efficient Copper(I) Catalyzed C-S Cross-Coupling of Thiols with Aryl Halides in Water;	L. Rout, P. Saha, T. Punniyamurthy,	<i>Eur. J. Org. Chem.</i> 2008 , <i>4</i> , 640-643.	10.1002/ejoc.200700978	2.8
7	Recent Advances in Copper-Catalyzed Oxidation of Organic Compounds.	T. Punniyamurthy , L. Rout,	<i>Coord. Chem. Rev.</i> 2008 , <i>252</i> , 134.	10.1016/j.ccr.2007.04.003	14.5
6	Cadmium(II) Catalyzed C-N Cross-Coupling of Amines with Aryl Iodides.	L. Rout, S. Jammi, T. Punniyamurthy,	<i>Adv. Synth. Catal.</i> 2008 , <i>350</i> , 395.	10.1002/adsc.200700480	5.25
5	Efficient CuO Nanoparticle Catalyzed C-S Cross Coupling of Thiols with Iodobenzene;	L. Rout, T. K. Sen and T. Punniyamurthy,	<i>Angew. Chem. Int. Ed. Eng</i> 2007 , <i>46</i> , 5583.	10.1002/ange.200701282	13
4	Novel CuO Nanoparticle Catalyzed C-N Cross-Coupling of Amines with Iodobenzene.; DOI: 10.1021/ol0713887 Novel	L. Rout, S. Jammi, T. Punniyamurthy,	<i>Org. Lett.</i> 2007 , <i>9</i> , 3397.	10.1021/ol0713887	6.2
3	Chiral Linear Polymers Bonded Alternatively with Salen and 1,4-Dialkoxy-2,6-diethynylbenzene: Synthesis and Application to Diethylzinc Addition to Aldehydes.	S. Jammi, L. Rout and T. Punniyamurthy,	<i>Tetrahedron: Asymmetry</i> 2007 , <i>17</i> , 2016.	10.1016/j.tetasy.2007.09.004	2.8
2	Vanadium-Catalyzed Selective Oxidation of Alcohols to Aldehydes and Ketones with t-BuO ₂ H	L. Rout and T. Punniyamurthy,	<i>Adv. Synth. Catal.</i> 2007 , <i>349</i> , 846	10.1002/adsc.200600397	5.6
1	Silica-Supported Vanadium-Catalyzed N-Oxidation of Tertiary Amines with Aq. H ₂ O ₂ .	L. Rout and T. Punniyamurthy,	<i>Adv. Synth. Catal.</i> 2005 , <i>347</i> , 1958	10.1002/adsc.200505166	5.6

7. Research funded projects

Title	Duration & ref.	Funded Agency	Amount	Status
DOS Approach for Synthesis of Sesquiterpene Anti-malaria Drugs:	2017-2020 (SERB/EMR/2016/006898)	SERB New Delhi, India	38.06 lakh	Completed
Synthetic Utility of Axial Chiral Allenes and Application in Natural Product Synthesis	2017-19 UGC-Start-UP-Grant-F-45(58)/2014, (BSR/FRP)	UGC New Delhi, New Delhi	6.00 lakh	Completed
Diversified Hemicotarnines Cancer Drug	Chiral For Future 2018-2021 27562800512017/20/1370/S&T	S & T, Govt. of Odisha New Delhi	8.16 lakh	Completing
Targeted drug delivery	2021-24 2016/LN/716/P/P &C.	P & C, Govt. of Odisha	49.99 lakh	Ongoing
Copper based bimetallic heterogeneous nano-catalyst for cross-coupling reaction	2021-24 CSIR/02(0393)/21/EMR-II 01/04/2021-23	CSIR New Delhi, New Delhi	27, 14,000/-	Ongoing

8. Administrative Experience:

Position	Duration
Member; NAAC Cell	Berhampur University (2015-till)
Member, IQAC Cell	Berhampur University (2015-till)
Member, NIRF Cell	Berhampur University (2015-till)
NAAC Mock Team Member	Berhampur University (2015-2016)
Invited, Member, RUSA committee	Berhampur University (2015-2018)
Coordinator, PFMS	Berhampur University (2015-till)
Member, R & D Cell,	Berhampur University (2015-till)
Board of Studies, Chemistry	Berhampur University (2015-till)
Deputy Director, Central Instrument Facility	Berhampur University (2015-till)
Member, Innovation cum Incubation, Centre	Berhampur University (2015-till)
Seminar Coordinator, Chemistry	Berhampur University (2015-2019)

Assistant Superintendent, Nagabali Hostel	Berhampur University (2020-till)
Green Audit Committee	Berhampur University (2015-2018)
Solar energy & rain water harvesting	Berhampur University (2015-2017)
Convener, University plantation Programme	Berhampur University; 2015-19

9.Member of Committees in Univ and outside:

Professional Membership:

- 1) American Chemical Society (ACS)
- 2) OCS Member, Orissa Chemical Society (Patron Member)
- 3) Royal Society of Chemistry (RSC)
- 4) French Medical Society (FMS/SCT)
- 5) Chemical Research Society of India (CRSI) Life member

Editorial Member:

- a) Cancer Biology and Therapeutic Oncology.
- b) Current Organic Catalysis
- c) Journal of Medicines Development Sciences

Reviewer: More than 20 International Journals, ACS, RSC, Wiley, Springer, Elsevier,

Organization of Seminar/Training programme

Co-Convener; ICIACPT-2015, International Conference	Berhampur University; 2015
Convener, IC-RTCBSMNPDD2017, International Conference	Berhampur University; 2017
Convener, IC-CBSDD-2019, International Conference	Berhampur University; 2019
Coordinator, RSMBU-2019, Research Methodology	Berhampur University; 2019
Coordinator, RSMBU WS-2019, Research Methodology	Berhampur University; 2019
Convener, N-COS-2020, national Conference	Berhampur University; 2020

International Selection Committee Member:

For promotion the status of a full professor of Prof. dr hab. Rafał Siciński 5 th November 2019	University of Warsaw, Faculty of Chemistry
Evaluating the quality of the research outputs and standing of Dr MAL Blackie working in the field/s of in (Medicinal chemistry; Chemistry education; Higher education; Christian spirituality), NRF Specialist	South Africa's National Research Foundation (NRF) Specialist Higher Education Committee

Committee comprising of academics from South African Higher Education Institutions. 24th June 2019

PhD theses evaluation of Mr J Hay,

Stellenbosch University,
7600 Stellenbosch
South Africa,

10. Awards and Recognitions Awards:

Award	Year	Agency	
NET (National Eligibility Test) 2003	2003	CSIR India	
GATE (Graduate Aptitude Test in Engineering) Rank 2 M.Sc.	2002	MHRD, India	
Best poster presentation awards	2003	Utkal University	
	2007	CRSI symposium, India	
Alexander von Humboldt Fellowship	AVH	2011-2013	Germany, Humboldt Foundation
Fondation Pierre Gilles de Gennes	FPGG	2013 -2014	Pierre Gilles Foundation, Curie, France
Research Fund of Institute of Chemistry Paris, RFIC		2014-2015	Institute of Curie, France
"OrgSyn Certificate"		2020	Borad of Editor, Organic Synthesis, MIT, USA
Outstanding Reviewer Award		2020	NJC, Royal Society of Chemistry
Shanti Swarup Bhatnagar Prize		2021	Nominated
Samanta Chandra Sekhar Award.		2021	Nominated

11. Any other information such as conferences attended, visits abroad, reviewer / editorial member etc.

Invited Conference talks

1	Topic	Place
	Halogen Bond in Organic Synthesis.	AvH Network Meeting, 2012, KIT, Karlsruhe, Germany, 28 th -30 th November.
2	Activation of a Carbon-Bromine Bond by Halogen Bond Donors,	RTCST 2012, IIT Patna, 3 rd -4 th March 2012, P-41
3	Design, Synthesis and Drug Property of Noscainoids;	MCA OSD 2014, 8-9th November, Khalikote College, Berhampur.
4	Design, Synthesis and Drug Property of Noscainoids;	Utkal University, 1 st March 2015.
5	Role of Organic Chemistry in Agricultural Industry,	OCS conference, 2016, 21/02/2016, Nilamadhab Mahavidyalaya, Kantillo,

6	Green Approach for Synthesis of Tetrahydroisoquinoline,	Tech-31, Page-45, National Conference on Advanced Engineering Materials 23rd – 24th July 2016 Eds : GIET, Gunupur
7	Organic Synthesis, from General medicine to Nano-medicine,	12-14 th August 2016, Fourth International Conference on Nanomedicine and Tissue Engineering (ICNT 2016) Mahatma Gandhi University, Kottayam, Kerala, India
8	Tetrahydroisoquinoline for Future anti-cancer drugs,	BDETP-2017, NIT Rourkela, 18-20 th December 2017, P-25
9	Nanocatalysis, An Alternative Green Approach for Organic Synthesis,	AMEEA-2018, NIT Rourkela, 12-14 th December 2018.
10	Optimizing Small Molecule-Based Intervention Strategies Against Shiga-Toxin,	NBCC-2018, NISER Bhubaneswar, 22-24 December 2018
11	Small Molecule-Based Ingérence Strategies Against Shiga-Toxin,	NCBBBIET-2019, Berhampur University, 22-23 February 2019
12	Small Molecule-Based Ingérence Strategies Against Shiga-Toxin,	IC-CBSSDD-2019, Berhampur University, 08-10 March 2019
13	Small Molecule-Based Ingérence Strategies Against Shiga-Toxin,	National Conference on “Organic Synthesis (<i>N-COS-2020</i>)” Berhampur University, Odisha, 02-03, March 2020
14	Citation & Source, h-index, i-Index Impact Factor (IF & SJIF), ISBN/ISSN, Criteria of Good Research and Research Ethics, APA Style and Search Engines Criteria of Good Scientific Research;	RSMBU-2019, research Methodlogy Workshop, Berhampur University 12th February 2019; Tuesday Aug 24, 2020 04:00 PM India; “Online Workshop on Fundamentals of Research Methodology for Science and Allied Subjects”, A. N. College Patna, Bihar
15	Optimizing Cotarnine Based Intervention Strategies for Developing Anti-Cancer Drug Molecule (Invited talk)	Emerging Trends in Medicinal Chemistry – 2021’ (ETMC-2021) Department of Chemistry, S. V. National Institute of Technology (SV NIT), Surat to be held during 18 th - 19 th March, 2021
16	Optimizing Cotarnine Based Intervention Strategies for Developing Anti-Cancer Drug Molecule (Session chaired)	Emerging Trends in Medicinal Chemistry – 2021’ (ETMC-2021) Department of Chemistry, S. V. National Institute of Technology (SV NIT), Surat to be held during 18 th - 19 th March, 2021
17	Synthesis and biological property of noscapinoid natural products	AICTE sponsored Online QIP Short Term Course on “Natural Products in Holistic Healthcare – Recent Trends & Future Prospects (NPH2)”, 21- 26 December, 2020. Department of Pharmaceutical Technology, IIT BHU 22.12.2020 & Tuesday

Research Seminars/ Invited Talks

1	Topic	Place
	Novel Strategies in Cross-Coupling & Synthetic Utility of Axially Chiral Allenolates;	IIT Delhi, 14th December 2009.
2	New Reagents, Methods, and Strategies for Organic Synthesis;	IISER Mohalli, 21st March 2011.
3	New Reagents, Methods, and Strategies for Organic Synthesis	IIT Kharagpur, 15th March 2012.
4	New Reagents, Methods, and Strategies for Organic Synthesis;	IIT Kanpur, 17th March 2012.
5	Activation of a Carbon-Bromine Bond by Halogen Bond Donors;	IIT Patna, RTCST 2012, 3 rd April 2012
6	New Reagents, Methods, and Strategies for Organic Synthesis;	IIT Bhubaneswar, 5th April 2012.
7	New Reagents, Methods, and Strategies for Organic Synthesis;	IIT Ropar, 7th April 2012.
8	New Reagents, Methods, and Strategies for Organic Synthesis;	Institute of Curie, Paris, 15th May 2013.
9	New Reagents, Methods, and Strategies for Organic Synthesis;	IISER Kolkotta, 30th December 2013.
10	Design, Synthesis and Drug Property of Noscapiroids;	Utkal University, 1 st March 2015.
11	New Reagents, Methods, and Strategies for Organic Synthesis;	University of Kansas, USA, 14th May 2010.
12	Synthesis and biological property of noscapinoid natural products	ICTE sponsored Online QIP Short Term Course on "Natural Products in Holistic Healthcare – Recent Trends & Future Prospects (NPH2)", 21- 26 December, 2020. IIT BHU

Conference Organized as Convener/Coordinator:

Sl	Topic	Place	Position
1	International conference on "Innovative Applications of Chemistry in Pharmacology and Technology", IC-IACPT-2015,	Berhampur University, Odisha, 06-08 February 2015.	Co-convener
2	International Conference on "Recent Trends of Chemical & Biological Sciences in Medicine, Natural Product and Drug Discovery (RTCBSMNPDD-2017)"	Berhampur University, Odisha, 03-05, March 2017,	Convener
3	International Conference on "Chemical & Biological Sciences in Medicine in Drug Discovery (IC-CBSDD-2019)"	Berhampur University, Odisha, 08-10, March 2019.	convener

4	Research Methodology Workshop, RSM-BU-2019,	Berhampur University 12-16 February 2019,	Coordinator
5	Research Methodology Workshop, RSMWS-BU-2019,	22-14 th December 2019, Berhampur University	Coordinator
6	2National Conference on “Organic Synthesis (<i>N-COS-2020</i>)”	Berhampur University, Odisha, 02-03, March 2020	Coordinator

International Collaboration:

Sl	Name of Scientist	Name of University	Country
1	Prof. J. Scanlon	Rippon College	USA
2	Prof. Bhaskar Chandra Das	Surgery , Weill Cornell Medical College	USA
3	Prof. Nigam P. Rath	University of Missouri St. Luis	USA
4	Prof. Mikhail A. Kuznetsov	St. Petersburg State University,	Russia
5	Prof. V. A. Semenov	N. D. Zelinsky institute of Organic chemistry	Russia
6	Professor Vakhid A. Mamedov	Kazan Scientific Center of Russian Academy of Sciences	Russia
7	Prof. Luigi Vaccaro	University of Perugia	Italy
8	Prof. Raffaele Riccio	Università degli Studi di Salerno	Italy
9	Prof. Agostino Casapullo	Università degli Studi di Salerno	Italy
10	Prof. Ryo Irie	Kumamoto University	Japan
11	Prof. Hidetoshi Yamada	Kwansei Gakuin University	Japan
12	Prof. N. Shibata	Nogay Institute of Technology	Japan
13	Prof. L. Johhanne	Institute of Curie	France
14	Prof. S. M. Huber	University of Bouchum	Germany
15	Professor P. Carloni	Forschungszentrum Jülich	Germany
16	Prof. T. Egan	University of Cape town,	South Africa
17	Prof. M. A. L. Blackie	University of Stellenbosch	South Africa
18	Prof. Zbigniew Czarnocki,	University of Warsaw	Poland
19	Prof. Karol Grela	University of Warszawa	Poland
20	Prof. Kaixun Huang	Huazhong University of Science and Technology	China
21	Prof. Zexian Chen	Huazhong University of Science and Technology	China
22	Prof. Jim-Min Fang	National Taiwan University	Taiwan
23	Prof. Koutentis Panayiotis	University of Kentucky	Cyprus
24	Prof. T. Punniyamurthy	IIT Guwahati	India
25	Prof. Akhila K. Sahoo	University of Hyderabad	India