

BIO-DATA of Dr. Avik Kumar Bagdi

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3. Institution: Department of Chemistry
University of Kalyani
4. Date of Birth: 08/07/1987
5. Gender (M/F/T): Male
6. Category Gen/SC/ST/OBC: SC
7. Whether differently abled (Yes/No): No
8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	B.Sc.	2007	Chemistry(H) Physics & Mathematics (Subsidiary)	Visva-Bharati/ Siksha- Bhavana	75.1 (3 rd Rank)
2.	M.Sc.	2009	Chemistry (Organic Specialization)	Visva-Bharati/ Siksha- Bhavana	74.5
3.	Ph.D	2014	Synthetic Organic Chemistry	Visva-Bharati/ Siksha- Bhavana	
4.	Post-Doc	2016- 2017	C-Glycosidation of Unprotected Carbohydrates	Okinawa Institute of Science and Technology Graduate University, Okinawa, Japan	

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.:

Ph.D thesis title: ***Study of Atom-Efficient Multicomponent Synthesis under Environment Friendly Condition***

Guide's Name: Dr. Alakananda Hajra

Associate Professor

Institute/Organization/University: Department of Chemistry

Siksha Bhavana

Visva-Bharati

Year of Award.: 8th September, 2014

10. Work experience (in chronological order).

S. No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Assistant Professor	Department of Chemistry, University of Kalyani, Kalyani Nadia	18/07/2018	Till date	PB-3 (□ 15,600– □ 39,100) AGP: □ 6,000
2.	Assistant Professor	Department of Chemistry, Tivenidevi Bhalotia College, Raniganj	23/03/2015	17/07/2018	PB-3 (□ 15,600– □ 39,100) AGP: □ 6,000

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1.	2 nd Prize of "2014 Eli Lilly & Company Asia Outstanding Thesis Award"	National Organic Symposium Trust & Eli Lilly & Company	2014

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Golam Kibriya, Avik Kumar Bagdi and Alakananda Hajra	Visible-Light-Promoted C(sp ³)-C(sp ²) Cross- Dehydrogenative Coupling of Tertiary Amine with Imidazopyridine	<i>J. Org. Chem.</i>	83	10619- 10626	2018
2.	Sherida Johnson, Avik Kumar Bagdi , and Fujie Tanaka	C-Glycosidation of Unprotected Di- and Trisaccharide Aldopyranoses with Ketones Using Pyrrolidine-Boric Acid Catalysis	<i>J. Org. Chem.</i>	83	4581- 4597	2018
3.	Golam Kibriya, Avik Kumar Bagdi and Alakananda Hajra	Visible light induced tetramethylethylenediamine assisted formylation of imidazopyridines	<i>Org. Biomol. Chem.</i>	16	3473- 3478	2018
4.	Sourav Jana, Sadhanendu Samanta, Avik Kumar Bagdi , Valerii Z. Shirinian and Alakananda Hajra	Metal-free C-H arylation of imidazoheterocycles with aryl hydrazines	<i>RSC Adv.</i>	8	12360- 12367	2018
5.	Susmita Mondal, Sadhanendu Samanta, Sougata Santra, Avik Kumar Bagdi and Alakananda Hajra	<i>N,N</i> - Dimethylformamide as a Methylenating Reagent: Synthesis of Heterodiarlylmethanes via Copper- Catalyzed Coupling between Imidazo [1,2- <i>a</i>]	<i>Adv. Synth. Catal.</i>	358	3633- 3641	2016

		pyridines and Indoles/ <i>N,N</i> - Dimethylaniline				
6.	Sourav Jana, Amrita Dey, Mukta Singsardar, Avik Kumar Bagdi , and Alakananda Hajra	Zn(OTf) ₂ -Catalyzed Synthesis of Imidazole-Substituted Allenenes	<i>J. Org. Chem.</i>	81	9489- 9493	2016
7.	Avik Kumar Bagdi and Alakananda Hajra	Design, Synthesis and Functionalization of Imidazoheterocycles	<i>Chemical Records</i>	16	1868- 1885	2016
8.	Avik Kumar Bagdi , Dhiman Kundu, Adinath Majee and Alakananda Hajra	Zwitterionic Imidazolium Salt: An Efficient Organocatalyst for the One-Pot Synthesis of 5,6-Unsubstituted 1,4- Dihydropyridine Scaffolds	<i>Current Organocataly sis</i>	3	169- 175	2016
9.	Avik Kumar Bagdi , Sougata Santra, Kamarul Monir, and Alakananda Hajra	Synthesis of Imidazo[1,2- <i>a</i>]pyridines: A Decade Update	<i>Chem. Commun.</i>	51	1555- 1575	2015
10.	Avik Kumar Bagdi , Shubhanjan Mitra, Monoranjan Ghosh and Alakananda Hajra	Iodine-catalyzed Regioselective Thiolation of Imidazo[1,2- <i>a</i>]pyridines Using Sulfonyl Hydrazides as a Thiol Surrogate	<i>Org. Biomol. Chem.</i>	13	3314- 3320	2015
11.	Kamarul Monir, Avik Kumar Bagdi , Monoranjan Ghosh, and Alakananda Hajra	Regioselective Oxidative Trifluoromethylation of Imidazoheterocycles via C(sp ²)-H Bond Functionalization	<i>J. Org. Chem.</i>	80	1332- 1337	2015

12.	Kamarul Monir, Avik Kumar Bagdi , Monoranjan Ghosh, and Alakananda Hajra	Unprecedented Catalytic Activity of Fe(NO ₃) ₃ ·9H ₂ O: Regioselective Synthesis of 2-Nitroimidazopyridines <i>via</i> Oxidative Amination	<i>Org. Lett.</i>	16	4630-4633	2014
13.	Matiur Rahman, Avik Kumar Bagdi , Subhajit Mishra and Alakananda Hajra	Functionalization of an <i>sp</i> ³ C–H Bond <i>via</i> a Redox-neutral Domino Reaction: Diastereoselective Synthesis of Hexahydropyrrolo[2,1- <i>b</i>]oxazoles	<i>Chem. Commun.</i>	50	2951-2953	2014
14.	Kamarul Monir, Avik Kumar Bagdi , Subhajit Mishra, Adinath Majee, and Alakananda Hajra	Copper(II)-Catalyzed Aerobic Oxidative Coupling between Chalcone and 2-Aminopyridine <i>via</i> C-H Amination: An Expedient Synthesis of 3-Aroylimidazo[1,2- <i>a</i>]pyridines	<i>Adv. Synth. Catal.</i>	356	1105-1112	2014
15.	Avik Kumar Bagdi and Alakananda Hajra	Brønsted Acidic Ionic Liquid Catalyzed Tandem Reaction of 4-Hydroxy-1-methyl-2-quinolone with Chalcone: Regioselective Synthesis of Pyrano[3,2- <i>c</i>]quinolin-2-ones	<i>RSC Adv.</i>	4	23287-23291	2014
16.	Subhajit Mishra, Avik Kumar Bagdi , Monoranjan Ghosh, Subrata Sinha and Alakananda Hajra	Zinc Iodide: A Mild and Efficient Catalyst for One-pot Synthesis of Aminoindolizines <i>via</i> Sequential A ³ Coupling/cycloisomerization	<i>RSC Adv.</i>	4	6672-6676	2014

17.	Sougata Santra, Shubhanjan Mitra, Avik Kumar Bagdi , Adinath Majee, and Alakananda Hajra	Iron(III)-catalyzed Three-component Domino Strategy for the Synthesis of Imidazo[1,2- <i>a</i>]pyridines	<i>Tetrahedron Lett.</i>	55	5151-5155	2014
18.	Sudarshan Das, Avik Kumar Bagdi , Sougata Santra, Adinath Majee and Alakananda Hajra	Solvent-free Silica-promoted Multicomponent Condensation: Synthesis of Highly Functionalized Piperidines	<i>Res. Chem. Intermed.</i>	41	6749-6763	2016
19.	Avik Kumar Bagdi , Matiur Rahman, Sougata Santra, Adinath Majee, and Alakananda Hajra	Copper-Catalyzed Synthesis of Imidazo [1,2- <i>a</i>]pyridines through Tandem Imine Formation-Oxidative Cyclization under Ambient Air: One-Step Synthesis of Zolimidine on a Gram-Scale	<i>Adv. Synth. Catal.</i>	355	1741-1747	2013
20.	Sougata Santra, Avik Kumar Bagdi , Adinath Majee, and Alakananda Hajra	Iron(III)-Catalyzed Cascade Reaction between Nitroolefins and 2-Aminopyridines: Synthesis of Imidazo[1,2- <i>a</i>]pyridines and Easy Access towards Zolimidine	<i>Adv. Synth. Catal.</i>	355	1065-1070	2013
21.	Sougata Santra, Avik Kumar Bagdi , Adinath Majee and Alakananda Hajra	Metal Nanoparticles in “On-water” Organic Synthesis: One-pot Nano CuO Catalyzed Synthesis of Isoindolo[2,1- <i>a</i>]quinazolines	<i>RSC Adv.</i>	3	24931-24935	2013

22.	Avik Kumar Bagdi , Sougata Santra, Matiur Rahman, Adinath Majee and Alakananda Hajra	Synthesis of Polysubstituted Quinolines <i>via</i> Copper(II)-catalyzed Annulation of 2-Aminoaryl Ketones with Alkynoates	<i>RSC Adv.</i>	3	24034-24037	2013
23.	Avik Kumar Bagdi , Adinath Majee, and Alakananda Hajra	Regioselective Synthesis of Pyrano[3,2- <i>c</i>]coumarins <i>via</i> Cu(II)-catalyzed Tandem Reaction	<i>Tetrahedron Lett.</i>	54	3892-3895	2013
24.	Shubhanjan Mitra, Avik Kumar Bagdi , Adinath Majee, and Alakananda Hajra	Nano Indium Oxide Catalyzed Tandem Cyclization of Amidine with Nitroolefin	<i>Tetrahedron Lett.</i>	54	4982-4985	2013
25.	Debasis Das, Pali Maiti, Avik Kumar Bagdi , Totan Ghosh, Tanmay Chattopadhyay, Sudhanshu Das, Alakananda Hajra, Adinath Majee, and Ennio Zangrando	Synthesis, Structure and Catalytic Aspects of the Palladium(II)complex [PdCl](where LH=2-formoyl-4-methyl Nethylpiperidineiminomethylphenol)	<i>Ind. J. Chem.</i>	52A	863	2013
26.	Matiur Rahman, Avik Kumar Bagdi , Dhiman Kundu, Adinath Majee, and Alakananda Hajra	Zwitterionic-Type Molten Salt-Catalyzed Multi-Component Reactions: One-Pot Synthesis of Substituted Imidazoles under Solvent-Free Conditions	<i>J. Het. Chem.</i>	49	1224	2012

27.	Matiur Rahman, Avik Kumar Bagdi , Adinath Majee, Alakananda Hajra	Nano Indium Oxide Catalyzed Efficient Synthesis of Propargylamines <i>via</i> C-H and C-Cl Bond Activations (Highlighted in Synfacts issue 10th Oct, 2011, page-1140)	<i>Tetrahedron Lett.</i>	52	4437	2011
28.	Dhiman Kundu, Avik Kumar Bagdi , Adinath Majee, Alakananda Hajra	Zwitterionic-Type Molten Salt: A Mild and Efficient Organocatalyst for the Synthesis of 3-Aminoalkylated Indoles <i>via</i> Three-Component Coupling Reaction	<i>Synlett</i>	2011	1165	2011

13. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No	Award Date	Agency/Country	Status
Nil	Nil	Nil	Nil	Nil	Nil	Nil

14. Books/Reports/Chapters/General articles etc.

S. No	Title	Author's Name	Publisher	Year of Publication
Nil	Nil	Nil	Nil	Nil

15. Any other Information (maximum 500 words)

- **One year Visiting Researcher Contract** with Okinawa Institute of Science and Technology Graduate University, Okinawa, Japan (November 2017 – October 2018).
- 2nd Prize of “**2014 Eli Lilly & Company Asia Outstanding Thesis Award**”.

- Qualified GATE (Graduate Aptitude Test in engineering conducted by IIT Kanpur) on 2015. (**All India Rank-146**).
- Qualified GATE (Graduate Aptitude Test in engineering conducted by IIT Roorkee) on 2009. (**All India Rank-321**)
- Qualified National Eligibility Test (NET) Examination jointly conducted by University Grants Commission (UGC) and Council of Scientific and Industrial Research (CSIR), New Delhi, India. (**Called for Shyama Prasad Mukherjee Fellowship**).
- Junior Research Fellowship (2009-2011): Under CSIR fellowship scheme, New Delhi, Govt. of India.
- Senior Research Fellowship (2012-2014): Council of Scientific and Industrial Research (CSIR), New Delhi, India.
- Presented a **Oral Presentation** in “IX J-NOST Conference, IISER Bhopal” Dec 4-6, 2013, on the topic “*Cu-Catalyzed Synthesis of Imidazo[1,2-a]pyridines through Tandem Imine Formation-Oxidative Cyclization under Ambient Air*”.