

Dr. Alakananda Hajra

Associate Professor

Department of Chemistry, Visva-Bharati (A Central University)

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Research Activity:

(Total 194 publications and 1 Patent; h-index 52; i10-index 156; total citation > 8800)

<https://scholar.google.co.in/citations?user=INjINy4AAAAJ&hl=en>

Development of synthetic methodologies

Ph. D supervised: 15

No. PhD students working: 06

Educational Qualifications:

B.Sc (Chemistry): 1996, University of Calcutta, Kolkata

M.Sc (Chemistry): 1998, Indian Institute of Technology (IIT) Kharagpur, India

PhD: 2003, Indian Association for the Cultivation of Science (IACS),
Kolkata, India

Ph.D. Supervisor: Prof. Brindaban C. Ranu

Title: ‘Novel Synthetic Approaches to Heterocyclic and Carbocyclic Compounds using Indium Halides and Other Simple Reagents’

Post-doctoral research experience:

Dec 2002-Nov 2004: SUNY at Albany, USA with Prof. Frank M. Hauser

Nov 2004-May 2006: The University of Tokyo with Prof. Eiichi Nakamura
as JSPS post-doctoral research fellow

August 2011-July 2012: NTU, Singapore with Prof. Naohiko Yoshikai

Professional Experience:

June, 2006-May, 2018: Assistant Professor, Dept of Chemistry, Visva-Bharati University

June, 2018-continuing: Associate Professor, Dept of Chemistry, Visva-Bharati University

Awards and Honors

- ❑ **Professor D Nasipuri Memorial Award** for the year 2019 by **Indian Chemical Society**
- ❑ CAS REGISTRY® Innovator
- ❑ Chemical Research Society of India (**CRSI**) **Bronze Medal** award for the year **2018**
- ❑ Japan Society for the Promotion of Science (**JSPS**) Bridge Fellowship, 2018
- ❑ **“Professor D.K. Banerjee Memorial Lecture Award”** in 2015 from the Dept of Organic Chemistry, Indian Institute of Science (IISc), Bangalore for the notable contributions in Methodologies in Heterocyclic Chemistry
- ❑ **Thesis advisor** for Eli Lilly and Company **Asia Outstanding Thesis** Awardee, 2014
- ❑ Japan Society for the Promotion of Science (**JSPS**) Post Doctoral Fellowship, 2004
- ❑ Three years **membership award** for American Chemical Society (**ACS**), **2015**
- ❑ One of the **top 10 Reviewers** for Organic & Biomolecular Chemistry (**OBC**) in 2016
- ❑ The **excellent poster Award** of the 11th Tetrahedron Symposium-Frontiers of Organic Chemistry, Beijing China, 22-25 June 2010
- ❑ Qualified National Eligibility Test (**NET**), Council of Scientific and Industrial Research (**CSIR**) for Lectureship and Fellowship, Govt. of India, 1998.

Invited Lectures delivered in India and abroad:

1. National Workshop on Green Chemistry during December 27-28, 2012 organized by Dept of Chemistry, Sripat Singh College, Murshidabad, WB.
2. National Seminar on Green Chemistry during February 1-2, 2013 organized by Dept of Chemistry, Panchakot Mahavidyalay, Purulia, WB .
3. National Seminar on Organocatalysis during March 23-24, 2013 organized by Dept of Chemistry, P K College, Contai, WB.
4. International Conference on Harnessing Natural Resources for Sustainable Development during January 29-31, 2014, Cotton College, Guwahati.
5. National Seminar on Chromatography organized by Dept of Chemistry, P K College, Contai, WB on 24 July, 2014.
6. National Symposium on Transcending Frontiers in Organic Chemistry (TFOC-2014) during October 9-11, 2014 Organized by CSIR-NIIST, Trivandrum.

7. National Symposium on Frontiers in Chemical Sciences (FICS-2014) during December 04-06, 2014 Organized by Dept of Chemistry, IIT-Guwahati, Guwahati.
8. National Symposium on Current Trends in Synthetic Organic Chemistry organized by Dept of Chem., IIT Kharagpur on 13th Jan, 2015.
9. National Seminar on Green Chemistry organized by Gushkara Mahadidyalay, Burdwan University, WB on 22th March, 2015.
10. XVII-Organic Chemistry Conference organized by NOST during October 27-30, 2015, at Hotel Le Meridien, Jaipur.
11. 52nd Annual Convention of Chemists during December 28-30-2015 coordinated by the Indian Chemical Society in JECRC, University, Jaipur, Rajasthan.
12. "Professor D.K. Banerjee Memorial Lecture Award" of the Dept of Org. Chem., IISc in 2015 on 19th January, 2016.
13. National Seminar on Design, synthesis, interactions, and activities of different functional molecules 4-6th February, 2016 organized by the Dept of Chem., Burdwan University, WB
14. National seminar on Current Perspective in Chemical Research organized by Dept. of Chemistry, University of Calcutta on 30th March, 2016.
15. National Conference on Organic Chemistry in Sustainable Development organized by BITS, Pilani during August 29-30, 2016
16. National Conference on New Frontiers in Chemistry organized by Department of Chemistry, BITS Goa during January 28-19, 2017
17. National Symposium on Emerging Trends in Chemical Science organized by Dept of Chem., University of Kolkata on 30th March, 2017.
18. International symposium on Chemical Science organized by Dept of Chem., Burdwan Raj College, Burdwan University on 10th October, 2017
19. International symposium on Material Chemistry for Better Tomorrow organized by Dept of Chem., Asutosh College, Calcutta University on 7th November, 2017
20. 22nd CRSI Symposium in Chemistry organized by Pt. Ravishankar Shukla University, Raipur during 2-4th Feb., 2018
21. Dept of Chemistry (ICR), Uji, Kyoto University, Japan on 10-07-2018
22. Dept of Chemistry, Kanagawa University, Japan on 19-07-2018
23. Dept of Chemistry, Tokyo University, Japan on 20-07-2018

24. Dept of Chemistry, Kyushu University, Japan on 27-07-2018
25. Dept of Chemistry, Kyoto University (Yoshida), Japan on 02-08-2018
26. Key note-speaker in International symposium on Modern Synthetic Methodologies for the Creation of Drugs and Functional Materials (MOSM 2018) at Ural Federal University, Yekaterinburg, Russia during Nov 15-17, 2018
27. National symposium on Recent Developments in Chemistry-2018 (RDC-2018) by Dept of Chem., NIT-Durgapur, Calcutta University during December 17-19, 2018
28. International Conference on Chemical & Biological Sciences in Drug Discovery-2019 in The Dept of Chemistry, Berhampur University, Odisha during March 8-10, 2019
29. Recent Advances in Organic and Bioorganic Chemistry (RAOBC) organic by the Dept of Chemical Sciences, IISER Mohali in association with RSC during March 22-24, 2019.
30. National Seminar on Emerging Trends in Chemical Sciences organized by Jadavpur University on January 07, 2020
31. International Seminar (ICBS-2020) on Innovation, Expansion, Impacts and Challenges in Chemical and Biological Sciences organized by Surendranath College, Calcutta university during 8-9 January, 2020.
32. International Conferences on Chemistry for Human Development (ICCHD-2020) organized by PACF, University of Calcutta and HIT, Kolkata during 9-11 January, 2020.
33. International Conferences on Emerging Trends in Catalysis & Synthesis organized by Dept of Chemistry, IIT-Kharagpur during 11-12 March, 2020.
34. International Webinar on New Horizons in Chemistry (IWNHC 2020) organized by Dept of Chemistry, Bankura University during 22-24 August, 2020.
35. International Webinar on Frontiers in Chemistry organized by Dept of Chemistry, North Bengal University on 1st October, 2020.
36. Webinar entitled "Concepts in Organic & Medicinal Chemistry" at National Institute of Technology, Manipur during 6-10 November, 2020.
37. International Webinar on "Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2020)" in Yekaterinburg, Russia during November 16-20, 2020
38. International Webinar on 57th Annual Convention of Chemists (ACC) by Indian Chemical Society (ICS) in IISER, Kolkata during 27th to 29th December, 2020.

39. International Webinar on "The Present and Future of Excellence in Organic Synthesis (PFEOS-2021)" by Department of Chemical Sciences, Tezpur University during January 8-9, 2021.
40. Refresher Course in Chemistry (Theme: *Recent Advances in Chemistry*) as a Resource Person organized by HRDC, Calcutta University during March 16 – March 31, 2021.
41. Refresher Course in Chemistry as a Resource Person organized by HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur during August 23 – September 4, 2021
42. International Webinar on "Modern Trends in Chemical and Material Sciences (MTCMS-2021)" by Department of Chemistry, ICFAI University Tripura during September 20-24, 2021.
43. International Webinar on "Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2021)" in Yekaterinburg, Russia during November 8-12, 2021.
44. Symposium on the Emerging Topics in the Interdisciplinary and Applied Sciences in IACS, Kolkata during March 25-26, 2022.
45. International webinar on "Recent trends in photochemistry" in St. Joseph's College (Autonomous), Karnataka, India on 14th May, 2022.
46. Invited talk at Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata on 31st August, 2022.
47. Invited talk in 59th Annual Convention of Chemists (ACC) by Indian Chemical Society (ICS) at Department of Chemistry and Chemical Biology, Indian Institute of Technology (ISM) Dhanbad.during December 16 – 18, 2022.

Book Chapter:

1. Cross Dehydrogenative Coupling in the Synthesis and Functionalization of Fused Imidazoheterocycles. Avik K. Bagdi and Alakananda Hajra* (Heterocycles via Cross-Dehydrogenative Coupling; Edited by Ananya Srivastava and Chandan K. Jana © 2019 Springer; ISBN: 978-981-13-9143-9); DOI: 10.1007/978-981-13-9144-6_4.
2. Iron-Catalyzed C–H Functionalization to form C–C and C–Heteroatom Bonds. Susmita Mondal, Sadhanendu Samanta, and Alakananda Hajra* (Handbook of

CH-Functionalization, Edited by Debabrata Maiti. © 2023 WILEY-VCH GmbH); DOI: 10.1002/9783527834242.chf0048.

3. Zwitterionic imidazolium salt: an effective green organocatalyst in synthetic chemistry. Sumit Ghosh, Debashis Ghosh and Alakananda Hajra* (Organocatalysis Edited by Bimal Krishna Banik and Bubun Banerjee © 2022 Walter de Gruyter GmbH, Berlin/Boston; ISBN 978-3-11-073753-0) <https://doi.org/10.1515/psr-2021-0018>.
4. Gold nanoparticles as promising catalyst for electrochemical CO₂ reduction in aqueous medium. Debashis Ghosh, Sumit Ghosh, Alakananda Hajra* (Aqueous Mediated Heterogeneous Catalysis Edited by Asit K. Chakraborti and Bubun Banerjee; © 2022 Walter de Gruyter GmbH, Berlin/Boston; ISBN 978-3-11-073845-2); <https://doi.org/10.1515/9783110733846-006>.
5. Visible-light-mediated metal-free C–Si bond formation reactions. Sumit Ghosh and Alakananda Hajra* (Green-Bond Forming Reactions Edited by Rakesh Kumar Sharma and Bubun Banerjee © 2022 Walter de Gruyter GmbH, Berlin/Boston; ISBN 978-3-11-075949-5) <https://doi.org/10.1515/psr-2021-0087>

List of Publications (<http://scholar.google.co.in/citations?user=INjINy4AAAAJ&hl=en>)

Total **194** publications and **1** Patent; *h*-index **52**; *i10*-index **156**; total citation>**8800**

Publication from Department of Chemistry, Visva-Bharati University

194. Remote difunctionalization of 2*H*-indazoles using Koser's reagents. Bhattacharjee, S.; Laru, S. and Hajra,* A, *Chem. Commun.* **2022**, 58, 981.
193. Organocatalytic Oxidative C–H Amination of Aldehyde Hydrazones with Azoles at Ambient Temperature. Ghosh, A. K; Neogi, S.; Das, K. and Hajra,* A. *J. Org. Chem.*, **2022**, 87, 5682.
192. Visible light induced functionalization of indazole and pyrazole: A recent update. Ghosh, D.; Ghosh, S.; Ghosh, A.; Pyne, P.; Majumdar, S. and Hajra,* A, *Chem. Commun.* **2022**, 58, 4435.

191. Electrochemically Enabled Dehydrogenative Phosphorothiolation of 2H-Indazoles under Electrolyte-Free Conditions. Ghosh, P. and Hajra,* A, *Adv Synth Catal*, **2022**, 364, doi.org/ 10.1002/adsc.202200932.
190. Visible-light-induced metal-free coupling of C(sp³)-H sources with Heteroarenes. Ghosh, A.; Pyne, P.; Ghosh, S.; Ghosh, D.; Majumdar, S. and Hajra,* A, *Green Chem.*, **2022**, 24, 3056.
189. Hypervalent Iodine(III)-Mediated Oxidative Dearomatization of 2H-Indazoles towards Indazolyl Indazolones. Bhattacharjee, S.; Laru, S. and Hajra,* A. *Org. Biomol. Chem.*, **2022**, 20, DOI: 10.1039/D2OB01776H.
188. Transition-metal-catalyzed ortho C–H functionalization of 2-arylquinoxalines. Mondal. K.; S. Ghosh. and Hajra,* A. *Org. Biomol. Chem.*, **2022**, 20, 7361.
187. Asymmetric C(sp³)–H Borylation: An Update. S. Ghosh.; Ghosh, A.; Pyne, A. and Hajra,* A. *Org. Biomol. Chem.*, **2022**, 20, 4496.
186. Recent Advances in Microwave-assisted Cross-Coupling Reactions. Rahman, M.; Ghosh, S.; Bhattacharjee, D.; Zyryanov, G. V.; Bagdi, A. K. and Hajra,* A. *Asian J. Org. Chem.*, **2022**, e202200179.
185. *Ortho* C–H Functionalizations of 2-Aryl-2H-Indazoles. Ghosh, S.; Payne, P.; Ghosh, A. and Hajra,* A. *Chem. Rec.*, **2022**, 22, doi.org/10.1002/tcr.202200158.
184. Late-stage *ortho*-C–H alkenylation of 2-arylindazoles in aqueous medium by Manganese(I)-catalysis. Das, K. K.; Ghosh, A. K. and Hajra,* A. *RSC Adv.*, **2022**, 12, 19412.
183. Direct Asymmetric Addition of Heteroatom Nucleophiles to Imines. *Adv Synth Catal*, **2022**, 364, doi.org/10.1002/adsc.202200155.
182. One-Pot Construction of Indolo[2,3-*b*]quinoxalines through Ruthenium-Catalyzed *Ortho* C–H Bond Functionalization of 2-Arylquinoxalines with Sulfonyl Azides. Laru, S.; Bhattacharjee, S. and Hajra,* A. *Org. Lett.* **2021**, 23, 7624.
181. Three-Component Carbosilylation of Alkenes by Merging Iron and Visible-Light Photocatalysis. Neogi, S.; Ghosh, A. K.; Mandal, S.; Ghosh, D.; Ghosh, D. and Hajra,* A. *Org. Lett.* **2021**, 23, 6510.
180. Fluorination of 2H-Indazoles Using *N*-Fluorobenzenesulfonimide. Ghosh, P. and Hajra,* A. *J. Org. Chem.*, **2021**, 86, 10883.

179. Potassium Persulfate Mediated Chemodivergent C-3 Functionalization of 2*H*-Indazoles with DMSO as C₁ Source. Bhattacharjee, S.; Laru, S.; Ghosh, P. and Hajra,* A. *J. Org. Chem.*, **2021**, 86, 10866.
178. Ru(II)-Catalyzed Switchable C–H Alkylation and Spirocyclization of 2-Arylquinoxalines with Maleimides via ortho-C–H Activation. Laru, S.; Bhattacharjee, S.; Singsardar, M.; Samanta, S. and Hajra,* A. *J. Org. Chem.*, **2021**, 86, 2784.
177. ortho-Allylation of 2-Arylindazoles with Vinyl Cyclic Carbonate and Diallyl Carbonate via Manganese-Catalyzed C-H Bond Activation. Ghosh, A. K.; Das, K. and Hajra,* A. *Adv. Synth. Catal*, **2021**, 363, 4974.
176. Electrochemical Functionalization of Imidazopyridine and Indazole: An Overview. Ghosh, D; Ghosh, S. and Hajra,* A. *Adv Synth Catal*, **2021**, 363, 5047.
175. Advances in Transition-Metal Catalyzed Carbonylative Suzuki-Miyaura Coupling Reaction: An Update. Bhattacharjee, D.; Rahman, M.; Ghosh, S.; Bagdi, A. K.; Zyranov, G.; Chupakhin, O.; Das, P. and Hajra,* A. *Adv Synth Catal*, **2021**, 363, 1597.
174. *Ortho* C–H Functionalization of 2-Arylimidazo[1,2-*a*]pyridines. Ghosh, S.; Laru, S. and Hajra,* A. *Chem. Rec.*, **2021**, 21, doi.org/10.1002/tcr.202100240.
173. Synthesis of Unsymmetrical Biheteroarenes *via* Dehydrogenative and Decarboxylative Coupling: a Decade Update. Majumdar, S; Gosh, S.; Pyne, P.; Ghosh, A. and Hajra,* A. *Chem. Rec.*, **2021**, 21, doi.org/ 10.1002/tcr.202100288.
172. Zwitterionic Imidazolium Salt: An Effective Green Organocatalyst in Synthetic Chemistry. Ghosh, S; Ghosh, D. and Hajra,* A. *Phys. Sci. Rev.* **2021**, 6, DOI: 10.1515/PSR-2021-0018
171. Visible-light-mediated metal-free C–Si bond formation reactions. Ghosh, S and Hajra,* A. *Phys. Sci. Rev.* **2021**, 6, DOI: 10.1515/psr-2021-0087
170. Light-Induced Borylation: Developments and Mechanistic Insights. Lai, D.; Ghosh, S. and Hajra,* A. *Org. Biomol. Chem.*, **2021**, 19, 4397.
169. Visible-light-induced silylation: an update. Ghosh, S.; Lai, D. and Hajra,* A. *Org. Biomol. Chem.*, **2021**, 19, 2399.
168. Organophotoredox-Catalyzed Direct C-H Amination of 2*H*-Indazoles with Amines. Neogi, S.; Ghosh, A. K.; Majhi, K.; Samant, S.; Kibriya, G. and Hajra,* A. *Org. Lett.* **2020**, 22, 5605.

167. Dioxygen-Triggered Oxo-Sulfonylation of Hydrazones. Ghosh, A. K.; Mondal, S. and Hajra,* A. *Org. Lett.* **2020**, 22, 2771.
166. *tert*-Butyl Hydroperoxide-Mediated Oxo-Sulfonylation of 2*H*-Indazoles with Sulfinic Acid toward Indazol-3(2*H*)-ones. Ghosh, P.; Mondal, S. and Hajra,* A. *Org. Lett.* **2020**, 22, 1086.
165. Rhodium-Catalyzed Directed C(sp²)-H Bond Addition of 2-Arylindazoles to *N*-Sulfonylformaldehydes and Activated Aldehydes. Ghosh, A. K.; Ghosh and Hajra,* A. *J. Org. Chem.*, **2020**, 85, 15752.
164. Advances in Oxosulfonylation Reaction. Ghosh, S.; Samanta, S.; Ghosh, A. K.; Neogi, S. and Hajra,* A. *Adv Synth Catal.* **2020**, 362, 4552.
163. Direct Catalytic Functionalization of Indazole Derivatives. Ghosh, S.; Mondal, S. and Hajra,* A. *Adv Synth Catal.* **2020**, 362, 362, 3768.
162. Fe(III)-Catalyzed synthesis of steroidal imidazoheterocycles as potent antiproliferative agents. Samanta, S.; Ghosh, A. K.; Ghosh, S.; Ilina, A. A.; Shirinian, V. Z. and Hajra,* A. *Org. Biomol. Chem.*, **2020**, 18, 5571.
161. Rhodium (III)-catalyzed ortho-C-H amidation of 2-arylindazoles with dioxazolone as an amidating reagent. Ghosh, P.; Samanta, S. and Hajra,* A. *Org. Biomol. Chem.*, **2020**, 18, 1728.
160. Trifunctionalization of Alkenes and Alkynes. Ghosh, S.; Lai, D. and Hajra,* A. *Org. Biomol. Chem.* **2020**, 18, 7948.
159. Regioselective hydroarylation and arylation of maleimides with indazoles via a Rh(III)-catalyzed C-H activation. Ghosh, A. K.; Samanta, S.; Ghosh, P.; Neogi, S. and Hajra,* A. *Org. Biomol. Chem.*, **2020**, 18, 3093.
158. Visible light promoted C-H functionalization of imidazoheterocycles. Bagdi, A. K. and Hajra,* A. *Org. Biomol. Chem.*, **2020**, 18, 2611.
157. Recent Advances in the Synthesis of Fluorinated Compounds via Aryne Intermediate. Rahman, M.; Bagdi, A. K.; Kopchuk, D. S.; Koyalev, I. S.; Zyryanov, G. V.; Chupakhin, O. N.; Majee, A. and Hajra,* A. *Org. Biomol. Chem.*, **2020**, 18, 9562.
156. Functionalized ionic liquid tagged Cu(II) catalyst: Design, characterization, and application in synthesis of imidazo[1,2-*a*]pyridine. Ghosh, S.; Kundu, D.; Dey, A.; Majee, A. and Hajra,* A. *J. Indian Chem. Soc.*, **2020**, 97, 2533 (convention issue sp).

155. Visible-light-promoted oxidative coupling of styrene with cyclic ethers. Kibriya, G.; Ghosh, D and Hajra,* A. *Sci. China Chem.*, **2020**, 63, 42.
154. Visible light-induced photocatalytic C–H ethoxycarbonylmethylation of imidazoheterocycles with ethyl diazoacetate. Bhattacharjee, S; Laru, S.; Samanta, S.; Singsardar, M and Hajra,* A. *RSC Adv.*, **2020**, 10, 27984.
153. Visible light promoted cross-dehydrogenative coupling: a decade update. Bagdi, A. K.; Rahman, M.; Bhattacharjee, D.; Zyryanov, G. V.; Ghosh, S.; Chupakhin, O. N. and **Hajra**,* A. *Green Chem.* **2020**, 22, 6632.
152. Aminomethylation of Imidazopyridines using *N,N*-Dimethylformamide as an Aminomethylating Reagent under Cu(II)-Catalysis. Ghosh, P.; Samanta, S.; Ghosh, S.; Jana, S. and **Hajra**,* A. *Tetrahedron Lett.* **2020**, 61, 152581.
151. Organophotoredox-Catalyzed C(sp²)-H Difluoromethylenephosphonation of Imidazoheterocycles. Singsardar, M. Mondal, S. Laru, S. and Hajra,* A. *Org. Lett.* **2019**, 21, 5606.
150. Rhodium-Catalyzed Directed C–H Amidation of Imidazoheterocycles with Dioxazolones. Samant, S. Mondal, S. Ghosh, D. and Hajra,* A. *Org. Lett.* **2019**, 21, 4905.
149. Metal-Free Synthesis of 2-Arylbenzothiazoles from Aldehydes, Amines, and Thiocyanate. Dey, A. and Hajra,* A. *Org. Lett.* **2019**, 21, 1686.
148. Visible-Light-Induced Regioselective Cross-Dehydrogenative Coupling of 2*H*-Indazoles with Ethers. Singsardar, M.; Laru, S.; Mondal, S. and Hajra,* A. *J. Org. Chem.*, **2019**, 84, 4543.
147. Mn(II)-Catalyzed C–H Alkylation of Imidazopyridines and *N*-Heteroarenes via Decarbonylative and Cross-Dehydrogenative Coupling. Samanta, S. and Hajra,* A. *J. Org. Chem.*, **2019**, 84, 4363.
146. Iodine-Catalyzed Selenylation of 2*H*-Indazole. Dey, A and Hajra,* A. *J. Org. Chem.*, **2019**, 84, 14904.
145. Visible-Light-Induced Regioselective C(sp³)-H Acyloxylation of Aryl-2*H*-azirines with (Diacetoxy)iodobenzene. De, A.; Santra, S.; Hajra, A.; Zyryanov, G. V. and Majee, A. *J. Org. Chem.*, **2019**, 84, 11735
144. Potassium Persulfate-Mediated Thiocyanation of 2*H*-Indazole under Iron-Catalysis. Dey, A. and Hajra,* A., *Adv. Synth. Catal.*, **2019**, 361, 842.
143. Mn (III)-Mediated C–H Phosphorylation of Indazoles with Dialkyl Phosphites. Ghosh, P. Mondal, S. and Hajra,* A., *ACS Omega* **2019**, 4, 9049.

142. Visible-Light-Mediated Synthesis of Unsymmetrical Diaryl Sulfides via Oxidative Coupling of Arylhydrazine with Thiol. Kibriya, G. Mondal. S. and Hajra,* A. *Org. Lett.* **2018**, 20, 7740.
141. Metal-Free Trifluoromethylation of Indazoles. Ghosh, P; Mondal, S; Hajra,* A., *J. Org. Chem.*, **2018**, 83, 13618.
140. Divergent Synthesis of Allenylsulfonamide and Enaminonesulfonamide via In(III)-Catalyzed Couplings of Propargylamine and *N*-Fluorobenzenesulfonimide Samanta, S. and Hajra* A. *J. Org. Chem.*, **2018**, 83, 13157.
139. Visible-Light-Induced Organophotoredox-Catalyzed Phosphonylation of 2*H*-Indazoles with Diphenylphosphine Oxide. Singsardar, M.; Dey, A.; Sarkar, R. and Hajra,* A. *J. Org. Chem.*, **2018**, 83, 12694.
138. Visible-Light-Promoted C (sp³)-C (sp²) Cross-Dehydrogenative Coupling of Tertiary Amine with Imidazopyridine. Kibriya, G.; Bagdi A.K. and Hajra,* A. *J. Org. Chem.*, **2018**, 83, 10619.
137. Metal-Free C-5 Hydroxylation of 8-Aminoquinoline Amide, Mondal S. and Hajra,* A. *J. Org. Chem.*, **2018**, 83, 11392.
136. Regioselective synthesis of unsymmetrical biheteroaryls via copper (II)-catalyzed cascade annulations. Samanta, S. and Hajra,* A. *Chem. Commun.*, **2018**, 54, 3379.
135. Regioselective C-7 Nitration of 8-Aminoquinoline Amides Using *tert*-Butyl Nitrite. Mondal, S.; Samanta, S. and Hajra,* A. *Adv. Synth. Catal.*, **2018**, 360, 1026.
134. Synthesis of Benzo[4,5]imidazo[2,1-*b*]thiazole by Cu(II)-catalyzed Thioamination of Nitroalkene with 1*H*-Benzo[*d*]imidazole-2-thiol. Jana, S.; Chakraborty, A.; Shirinian, V. Z. and Hajra,* A. *Adv. Synth. Catal.*, **2018**, 360, 2402.
133. Ruthenium (II)-catalyzed remote C-H addition of 8-aminoquinoline amide to activated aldehyde. Mondal, S. and Hajra,* A. *Org. Biomol. Chem.*, **2018**, 16, 2846.
132. Visible light induced tetramethylethylenediamine assisted formylation of imidazopyridines. Kibriya, G; Bagdi, A. K. and Hajra,* A. *Org. Biomol. Chem.*, **2018**, 16, 3473.

131. A convergent synthesis of vinyloxyimidazopyridine *via* Cu (I)-catalyzed three-component coupling Samanta, S.; Mondal, S. and Hajra,* A. *Org. Biomol. Chem.*, **2018**, *16*, 1088. **[Highlighted in the front cover picture]**
130. Synthesis of Triazolium Inner Salts by Thiocyanation of Aldehyde-Derived Hydrazones Mondal, S.; Samanta. S. and Hajra,* A. *Euro. J. Org. Chem*, **2018**, *2018*, 1060.
129. Synthesis and evaluation of the antiproliferative activity of benzylidenes of 16-dehydropregesterone series. Scherbakov, A.M.; Zavarzin, I. V.; Vorontsova, S.K.; Hajra, A.; Andreeva, O. E.; Yadykov, A. V.; Levina, I. S.; Volkova, Y. A. and Shirinian, V. Z. *Steroids*, **2018**, *138*, 91.
128. Mild, Efficient, and Metal-Free Radical 1,2-Dithiocyanation of Alkynes and Alkenes at Room Temperature. Samanta, S.; Chatterjee, R.; Santra, S.; Hajra, A.; Khalymbadzha, I. A.; Zyryanov, G. V. and Majee,* A. *ACS Omega*, **2018**, *3*, 13081.
127. (Diacetoxy)iodobenzene-Mediated Regioselective Imidation of Imidazoheterocycles with *N*-Fluorobenzenesulfonimide. Singsardar, M.; Mondal, S.; Sarkar, R. and Hajra,* A. *ACS Omega*, **2018**, *3*, 12505.
126. Ruthenium-catalyzed tandem annulation/arylation for the synthesis of unsymmetrical bis (heteroaryl) methanes. Hajra* A. and Samanta, S. *Org. Biomol. Chem.*, **2018**, *16*, 7012.
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