

Kalipada Jana

May 12, 1995 in Sundarban, India
Department of Chemistry, University of Basel
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Education

Ph.D. Organic Chemistry 2018.11 – 2022.06
Westfälische Wilhelms-Universität Münster, Münster, Germany
Thesis Advisor: Prof. Armido Studer
Date of PhD defense: 17.06.2022

M.Sc. Chemistry 2016.07 – 2018.06
Indian Institute of Technology Kanpur, Kanpur, India
Thesis Advisor: Dr. Sabuj Kundu

B.Sc. Chemistry 2013.06 – 2016.04
Ramakrishna Mission Vidyamandira,
Belur, Howrah, India

Employment

Postdoctoral Researcher, Organic Chemistry 2022.07 – present
Department of Chemistry, University of Basel
Advisor: Prof. Christof Sparr

Supervision of Master's Student

Bastian Stövesand	WWU Münster, Münster, Germany	2021.06
Johannes Erchinger	WWU Münster, Münster, Germany	2019.07
Friedrich Burba	WWU Münster, Münster, Germany	2020.12
Till Drennhaus	WWU Münster, Münster, Germany	2020.06

Publications in peer reviewed journals

1. Atroposelective P^{III}/P^V=O Redox Catalysis for the Isoquinoline-Forming Staudinger-aza-Wittig Reaction
D. Moser, **K. Jana**, C. Sparr*
Angew. Chem. Int. Ed. **2023**, 62, e202309053. *Selected as VIP*
[DOI: 10.1002/anie.202309053](https://doi.org/10.1002/anie.202309053)

2. Radical 1,3-Difunctionalization of Allylboronic Esters with Concomitant 1,2-Boron Shift
K. Jana, A. Bhunia, A. Studer*
Chem. **2020**, *6*, 512–522.
DOI: [10.1016/j.chempr.2019.12.022](https://doi.org/10.1016/j.chempr.2019.12.022)
3. Preparation of α -Perfluoroalkyl Ketones from α , β -Unsaturated Ketones via Formal Hydroperfluoroalkylation
K. Jana, I. Mizota, A. Studer*
Org. Lett. **2021**, *23*, 1280–1284.
DOI: [10.1021/acs.orglett.0c04260](https://doi.org/10.1021/acs.orglett.0c04260)
4. Allylboronic Esters as Acceptors in Radical Addition, Boron 1, 2-Migration, and Trapping Cascades
K. Jana, A. Studer*
Org. Lett. **2022**, *24*, 1100–1104.
DOI: [10.1021/acs.orglett.2c00039](https://doi.org/10.1021/acs.orglett.2c00039)
5. Transition-Metal-Free Intramolecular Radical Aminoboration of Unactivated Alkenes
D. Zheng,[†] **K. Jana**,[†] F. A. Alasmary, C. G. Daniliuc, A. Studer* ([†]Equal contribution)
Org. Lett. **2021**, *23*, 7688–7692.
DOI: [10.1021/acs.orglett.1c03024](https://doi.org/10.1021/acs.orglett.1c03024)
6. Remote Radical Desaturation of Unactivated C–H Bonds in Amides
Y. Xia, **K. Jana**, A. Studer*
Chem. Eur. J. **2021**, *27*, 16621–16625.
DOI: [10.1002/chem.202103509](https://doi.org/10.1002/chem.202103509)
7. Intramolecular Hydrogen Atom Transfer Induced 1, 2-Migration of Boronate Complexes
D. Wang, **K. Jana**, A. Studer*
Org. Lett. **2021**, *23*, 5876–5879.
DOI: [10.1021/acs.orglett.1c01998](https://doi.org/10.1021/acs.orglett.1c01998)
8. Cobalt complex catalyzed atom-economical synthesis of quinoxaline, quinoline and 2-alkylaminoquinoline derivatives
S. Shee, K. Ganguli, **K. Jana**, S. Kundu*
Chem. Commun. **2018**, *54*, 6883–6886.
DOI: [10.1039/C8CC02366B](https://doi.org/10.1039/C8CC02366B)

Academic Conference

- 10th SFB Symposium: Münster Symposium on Cooperative Effects in Chemistry 2019.06

Prizes, awards, fellowships

- Secured **All India rank 22** under the CSIR scheme of **National Eligibility Test**. 2017.06
- Qualified for a doctoral research fellowship upon passing the **Graduate Aptitude Test (GATE)** conducted by IITs (**All India Rank 22** among **19500** chemical science candidates). 2018.02
- Awarded the ‘Academic Excellence Award for the year 2016-2017’ by IIT Kanpur for excellent academic performance. 2016.12
- Secured **All India Rank 56** under the CSIR scheme of **National Eligibility Test**. 2016.12
- Ranked All India **12th** in highly competitive exam **IIT JAM** 2016, among 10000 students. 2016.02
- Selected for Innovation in Science Pursuit for Inspired Research (**INSPIRE**) fellowship from Department of Science and Technology, Government of India. 2013.04-2016.06
- Selected for Indian Academic of Science fellowship. 2016.12

Personal skills

Laboratory Techniques: GC-MS, LC-MS, HPLC, FTIR, Glove Box, NMR (¹H NMR, ¹³C NMR, HSQC, HMBC, NOESY, COSY etc.)

Language skills: Bengali, English and Hindi.

Software: Office, Chemdraw, Origin, MestReNova