

Name: **SUBRATA**
Surname **CHAKRABORTY**

Date of Birth: January 10, 1986
Gender: Male
Nationality: Indian
E-mail address: subrata@iitj.ac.in
1986.subrata@gmail.com
Current Address: Department of Chemistry, IIT Jodhpur, Rajasthan, India, 342037
Permanent Address: Bankura, West Bengal,
India, 722144
Telephone: India: (91 291) 280 1313

PROFESSIONAL EXPERIENCE:

June, 2019- Current: Assistant Professor, Department of Chemistry, IIT Jodhpur, Rajasthan, India

Nov, 2018- May 2019: Alexander von Humboldt Postdoctoral Fellow in the group of **Prof. Gerhard Erker**. Department of Organic Chemistry, University of Münster, Münster, Germany.

June 2017-Feb 2018: Postdoctoral Fellow in the group of **Prof. David Milstein**.

Department of Organic Chemistry, Weizmann Institute of Science,
Rehovot, Israel, 76100

May 2014-May 2017: *SFWIS* Postdoctoral Fellow in the group of **Prof. David Milstein**.

Department of Organic Chemistry, Weizmann Institute of Science,
Rehovot, Israel, 76100

ACADEMIC QUALIFICATIONS:

Oct 2008 - Aug 2013: Ph.D.

Institute of Inorganic Chemistry, University of Zürich, Switzerland.

Ph.D. Supervisor: **Prof. Dr. em. Heinz Berke**

Title of Ph.D. Thesis: "Cheap Metals for Noble Tasks: Low-Valent Molybdenum and Tungsten Nitrosyl Complexes in Homogeneous Hydrogenations and Hydrosilylations"

2006 - 2008: Master of Science (Chemistry)

Indian Institute of Technology Kanpur, India

Title of Master's Project: "Synthesis of Nitro Corrole and its Optical properties in various Solvents"

Master's project supervisor: **Prof. Dr. em. Sabyasachi Sarkar**

2003 - 2006: Bachelor of Science (Chemistry Major)
University of Burdwan, West Bengal, India

2001-2003: Higher Secondary Education
West Bengal Council of Higher Secondary Education, India

2001: Secondary Education
West Bengal Board of Secondary Education, India

CONFERENCES, MEETINGS and WORKSHOP ATTENDED:

- ❖ "Heidelberg Forum of Molecular Catalysis (HFMC)", Heidelberg, Germany (22nd July, 2011).

Title of Poster: "Synthesis of Molybdenum and Tungsten Nitrosyl Complexes with New Tridentate Phosphine Ligand and Their Application in Homogeneous Hydrogenation of imines".

- ❖ Swiss Chemical Society -2011 Fall Meeting, EPFL Lausanne (9th Sept, 2011).

Title of Poster: "Molybdenum and Tungsten Nitrosyl Complexes with New Tridentate Phosphine Ligand and Their Application in Homogeneous Hydrogenation of Imines".

- ❖ "International Symposium on Homogeneous Catalysis", Toulouse, France (June 9-13, 2012).

Title of Poster: Ligand Assisted Heterolytic Splitting of Hydrogen with Molybdenum and Tungsten Amides and Their Application in Efficient Imine Hydrogenations.

- Swiss-German Meeting, within the project "For 1075-Unconventional Approaches to the Activation of Dihydrogen", University of Zurich, Switzerland (April 13-14, 2012).

Title of Talk: "Molybdenum and Tungsten Nitrosyl Complexes in Efficient Imine Hydrogenations".

- Participated NSFC-ISF Workshop, Technion, Israel Institute of Technology, Haifa, Israel (Nov 15-16, 2016).

- Attended Symposium in Honor of David Milstein's 70th Birthday held at Weizmann Institute of Science (18th May, 2017).
- Attended ICS Symposium Honoring Wolf Prize Laureate Robert G. Bergmann, Technion, Israel Institute of Technology, Haifa, Israel (June 8, 2017).
- Participated 2nd ADAMA-BGU Organic Chemistry symposium held in Ben-Gurion University of the Negev, Beer-Sheva, Israel (18th Dec, 2017).
- "83rd Israel Chemical Society Meeting", Tel Aviv, Israel (Feb 13-14, 2018).

Title of Poster: "Sustainable Catalysis Based on Earth-Abundant Pincer Catalysts Design".

INVITED TALKS

1. "Sustainable Catalytic Design Based on Metal-Ligand Cooperation" Indian Association for the Cultivation of Science, Kolkata (Aug 1, 2017).
2. "Sustainable Pincer Catalysts Design Based on Metal-Ligand Cooperation" Indian Institute of Science (IISc), Bangalore (March 22, 2018).

SUPERVISION and TEACHING:

Supervised and trained Undergraduate students Inorganic Chemistry Laboratory experiments (ACPI + ACPII) (2010-2011) at the University of Zurich.

RESEARCH INTEREST:

- 1) Organometallics and Catalysis
- 2) Metal-free Catalysis based on Frustrated Lewis Pair Chemistry

LANGUAGE PROFICIENCY: English, Hindi, Bengali, German (basic)

AWARDS AND RECOGNITIONS:

- Recipient of *Alexander von Humboldt* Postdoctoral Research Fellowship in **2018**.
- *FGS Prize for Outstanding Postdoctoral Research 2017*, Weizmann Institute of Science, Rehovot, Israel.
- Recipient of *Swiss Friends with the Weizmann Institute of Science* (SFWIS) postdoctoral fellowship to pursue postdoc in Weizmann Institute of Science (May 2014-May 2017).
- Awarded (5.5/6 Grade) in the Ph.D. *Thesis defense examination*.

- Travel awards from Graduate school of Chemical and Molecular Science Zürich (CMSZH) for attending and presenting posters in conferences in 2011 and 2012.
- Qualified in the all India based joint CSIR-UGC test for Junior Research Fellowship (JRF) and Lecturer ship (LS) held in June, 2008.
- Recipient of prestigious MCM (Merit- cum-Means) and SBF (Students Benevolence Fund) scholarship at IIT Kanpur, India during M.Sc. (2006-2008).
- Qualified in the JAM examination in 2006 (an all India based entrance test for M.Sc.).

REFERENCES:**1. Prof. Dr. David Milstein** (Postdoc supervisor)

Department of Organic Chemistry
Weizmann Institute of Science
Rehovot, Israel, 76100
E-mail: david.milstein@weizmann.ac.il
Phone No.: +972-8-934-2599

2. 1. Prof. Dr. Gerhard Erker (Postdoc supervisor)

Department of Organic Chemistry
WWU Münster
Correnstrasse 40, Münster,
Germany 48149
E-mail: erker@uni-muenster.de
Phone No.: +49-251-83-33221

3. Prof. Em. Heinz Berke (Ph.D. supervisor)

Department of Chemistry
Universität Zürich
CH 8057, Zürich, Switzerland
E-mail: hberke@chem.uzh.ch
Phone No.: +41 44 635 46 81

4. Prof. Em. Sabyasachi Sarkar (Master's supervisor)

Indian Institute of Engineering Science and Technology, Shibpur
Howrah, 711103, West Bengal, India
E-mail: sabby@chem.iiests.ac.in
Phone No.- +91-33-26680521