

Short Biography



Prof. Swadhin Mandal, FASc, FNA
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Swadhin Mandal is a professor at the Indian Institute of Science Education and Research (IISER) in Kolkata. Earlier, he was head of the Department of Chemical Sciences at IISER Kolkata. He earned his BSc and MSc degrees from the University of Kalyani. In 2002, he received his doctorate from the Indian Institute of Science, Bangalore, under the supervision of Prof. S. S. Krishnamurthy. He then worked as a postdoctoral fellow with Prof. Robert C. Haddon at the University of California, Riverside, USA and as an Alexander von Humboldt fellow with Prof. Herbert W. Roesky at the University of Göttingen, Germany. He joined IISER Kolkata as an assistant professor in 2007 and was promoted to full professor in 2018. His current research interests include metal-free catalysis with reactive electron-rich main group species to discover new chemical transformations of CO₂ and electron-transfer catalysis with small molecules in various organic transformations. His research has been published in several high-profile international journals (~150 publications and patents), including Nature, Nature Catalysis, JACS, Angew Chem and others. To date, he has guided 19 students to their PhD degrees.

Professional Recognitions:

- ❖ PIFI Distinguished Scientist 2026, *Chinese Academy of Sciences*
- ❖ Awarded the J C Bose Grant, 2025, ANRF, Govt. of India
- ❖ Elected Fellow, Indian National Science Academy, 2024
- ❖ Appointed (courtesy appointment) as a Visiting Professor of Rutgers University, New Brunswick, USA, 2024-2026
- ❖ Awarded the Erna and Jakob Michael Visiting Professorship at Weizmann Institute of Science in Israel, 2022
- ❖ Elected Fellow, Indian Academy of Sciences, 2021
- ❖ Friedrich Wilhelm Bessel Research Award by the Alexander von Humboldt Foundation, Germany, 2020
- ❖ Visiting Professor, IIT Bombay, 2020-2023
- ❖ Shanti Swarup Bhatnagar Prize in Chemical Sciences for 2018 (one of the most coveted awards by the Govt. of India in natural sciences, medicine and engineering)
- ❖ Editorial Advisory Board member:
 - Chemical Science (2020-)
 - Inorganic Chemistry (2019- 2022)
 - Organometallics (2013-2015)
 - J. Chemical Science (2018-2021)
- ❖ Fellow of the Royal Society of Chemistry (FRSC) since 2018
- ❖ Awarded the SERB Distinguished Investigator Award 2018
- ❖ CRSI (Chemical Research Society of India) bronze medal, 2018
- ❖ YIM-Young Scientist Award -2012 by YIM-Boston at MIT, Boston, USA