

FACULTY PROFILE

(as on 01.06.2024)

DR. Mithun Sarkar, M.Sc., Ph.D.

ASSISTANT PROFESSOR (W.B.E.S.)

DEPARTMENT OF CHEMISTRY

Government General Degree College, Kaliganj

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A. BIOGRAPHY:

1. Name: DR. Mithun Sarkar
2. Date of Birth: 14/12/1984
3. Sex: Male
4. Nationality: Indian
5. Present Address: Vill+P.O- Tarakganj, Dist- Nadia, Pin-741165
6. Permanent Address: Vill+P.O- Tarakganj, Dist- Nadia, Pin-741165
7. Language known: Bengali, English
8. Mother Tongue: Bengali

B. ACADEMIC PROFILES:

Degree	Institute	Division/ Class	Subject	Year
Ph.D.	IIT Kanpur	First	Inorganic Chemistry	2015
M.Sc.	IIT Kharagpur	First	Inorganic Chemistry	2008
B.Sc.	University of Calcutta	First	Chemistry (Hons)	2006
HS	WBCHSE	First	Science	2002
MP	WBBSE	First	Science & Arts	2000

C. PROFESSIONAL POSITIONS:

Current	Assistant Professor of Chemistry in the W.B.E.S. at Government General Degree College, Kaliganj from 11/06/2015 to till date.	Kaliganj, Nadia, West Bengal, India
2010-2015	Worked as SRF at Indian Institute of Technology Kanpur	IIT, Kanpur
2008-2010	Worked as JRF at Indian Institute of Technology Kanpur	IIT, Kanpur

D. ACADEMIC DISTINCTIONS AND AWARDS:

1.	CSIR- NET	Qualified in CSIR sponsored National Eligibility Test with JRF in 2008
2.	GATE	Qualified in GATE with All India Rank 10 & 99.85 percentile

E. ACADEMIC ACTIVITIES/ CONFERENCES:

- **Oral presentation**
Indian Chemistry in the Vedic and Ayurvedic period
- **Poster presentation**
- **Normal Participation in the Seminar**

F. AREA OF TEACHING:

All branches of the Chemistry at the B.Sc. level specially in Inorganic Chemistry

G. OTHER PROFESSIONAL EXPERIENCES:

- Convener of Routine preparation, Tender & Purchase and Health Scheme committee
- Member of IQAC

H. AREA OF RESEARCH INTEREST:

Organometallic Chemistry & Catalysis

I. BOOK/BOOK CHAPTER PUBLISHED:

J. LIFE MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS/SOCIETIES:

K. RESEARCH & PUBLICATIONS:

❖ PUBLICATIONS

Total number of publications: 09 (Journals: 09, Conference Proceedings: 00)

Full Papers:

1. "Chiral 1,8-naphthyridine based ligands: Syntheses and characterization of Di- and tetranuclear copper (I) and silver (I) complexes" M. Sarkar, P. Pandey, J. K. Bera, *Inorg. Chim. Acta* 2019, 486, 518-528.
2. "Olefin Oxygenation by Water on an Iridium Center " T. Ghatak, M. Sarkar, S. Dinda, I. Dutta, S. M. W. Rahaman, J. K. Bera, *J. Am. Chem. Soc.* 2015, 137, 6168.
3. "Amide-Functionalized Naphthyridines on a Rh^{II}-Rh^{II} Platform: Effect of Steric Crowding, Hemilability and Hydrogen-Bonding Interactions on the Structural Diversity and Catalytic Activity of Dirhodium(II) Complexes" M. Sarkar, P. Daw, T. Ghatak, J. K. Bera, *Chem. Eur. J.* 2014, 20, 16537.
4. "Room Temperature C-H bond Activation on a Pd^I-Pd^I Platform" M. Sarkar, H. Doucet, J. K. Bera, *Chem. Commun.* 2013, 49, 9764.
5. "Pd-Catalyzed Regioselective Oxidative C-H Functionalization of Substituted Imidazo[1,2- α]quinoline: Structural Characterization of Binuclear Cyclometalated Intermediates" M. Sarkar, J. K. Bera, *Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.* 2014, 84, 227.
6. "Reactions of Acids with Naphthyridine-Functionalized Ferrocenes: Protonation and Metal Extrusion" N. Sadhukhan, M. Sarkar, T. Ghatak, S. M. W. Rahaman, L. J. Barbour, J. K. Bera, *Inorg. Chem.* 2013, 52, 1432.
7. "Understanding C-H Bond Activation on a Diruthenium(I) Platform" A. Sinha, M. Majumdar, M. Sarkar, T. Ghatak, J. K. Bera, *Organometallics* 2013, 32, 340.
8. "Binuclear Copper Complexes and Their Catalytic Evaluation" R. K. Das, M. Sarkar, S. M. W. Rahaman, H. Doucet, J. K. Bera, *Eur. J. Inorg. Chem.* 2012, 1680.
9. "Multifaceted Coordination of Naphthyridine-Functionalized N-Heterocyclic Carbene: A Novel "Ir^{III}(C^N)(C^C)" Compound and Its Evaluation as Transfer Hydrogenation Catalyst" A. Sinha, S. M. W. Rahaman, M. Sarkar, B. Saha, P. Daw, J. K. Bera, *Inorg. Chem.* 2009, 48, 11114.

Conference Proceedings:

Abstracts:

Date: 01.06.2024

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