



St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

Name of Faculty Member	:	Dr. Ushir Ranjan Sen
Gender	:	Male
Email ID	:	ushirranjansen@gmail.com
Name of Department	:	Department of Chemistry
Designation	:	Associate Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.Sc., Ph.D., LLB.
Total Teaching Experience	:	25 Years and 11 Months
UGC NET/SET Qualified	:	No

Research Papers Published:

- 1) "**Manganese based molecular water oxidation catalyst: from Natural to Artificial Photosynthesis**", Comments on Inorganic Chemistry, Published on 13th Oct 2022, Vol 43, Issue 3.

Participation in UGC-HRDC Course/FDP/OC/RC:

- 1) Participated in the online FDP on 12.04.2021 organized by Department of Geography, St. Xavier's College, Ranchi.
- 2) Participated in the Workshop cum Training Programme on "**Spectroscopic Techniques in Chemistry**" organized by University College of Science & Technology, Calcutta University, West Bengal, from 28th to 30th May 2002.
- 3) Participated in the Refresher Course on "**Environmental Science**" from 05.01.2013 to 25.01.2013 organized by UGC-ASC, Ranchi University, Ranchi.
- 4) Participated in the Refresher Course on "**Life Science**" from 06.02.2012 to 26.02.2012 organized by UGC-ASC, Ranchi University, Ranchi.

- 5) Participated in the Refresher Course on "**Recent Advancement on Chemistry**" from 07.01.1999 to 27.01.1999 organized by UGC-ASC, Ranchi University, Ranchi.
- 6) Participated in the 17th Orientation Course from 27.04.1998 to 23.05.1998 organized by UGC-ASC, Ranchi University, Ranchi.

Seminar/Conference attended/Paper Presented (National/International):

- 1) Participated in the Online International Seminar on "**COVID 19 Global Impact**", organized by IQAC, Govt. J P Verma Arts & Commerce College, Bilaspur, Chhattisgarh, on 16th Aug 2020.
- 2) Participated in the Online National Seminar on "**Challenges before Higher Education in Present Scenario**", organized by IQAC, Govt. J P Verma Arts & Commerce College, Bilaspur, Chhattisgarh, on 28th Feb 2020.
- 3) Attended the National Conference on "**Material Science for Energy Harvesting**" sponsored by BRNS Mumbai SERB New Delhi CSIR, held at Jubilee College Bhurkunda (Vinoba Bhave University, Hazaribagh).
- 4) Paper presented on proceedings on 37th Annual Convention of Chemistry, Indian Chemical Society, Kolkata, "**ING(OP)5 – Empirical relation for % ionic character**".
- 5) Paper presented on proceedings on 36th Annual Convention of Chemistry, Indian Chemical Society, Kolkata from 11th to 16th Dec 1999, "**ING(OP)6 – Empirical relation between Ionization energy and screening constant of d & f block elements**".

Guest Lecture/Special Lecture Delivered:

- 1) Delivered lecture on "**Environmental Chemistry**" on 23.08.2023 at Yogada Satsang Mahavidyalay (affiliated to Ranchi University, Ranchi).
- 2) Delivered online lecture on "**Green Chemistry**" on 03.07.2020 at Yogada Satsang Mahavidyalay (affiliated to Ranchi University, Ranchi).

[Dr. Ushir Ranjan Sen]