



St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

Name of Faculty Member	:	Ms. Mable Martha Toppo
Gender	:	Female
Email ID	:	mabletoppa@gmail.com
Name of Department	:	Department of Geology
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.Sc. (Tech)
Total Teaching Experience	:	12 Years and 02 Months
UGC NET/SET Qualified	:	Yes

Research Papers Published:

- 1) **Toppo, M.M.** and Sinha, J. "**Geospatial Analysis Based Watershed and Sub-Watershed Delineation of Kanchi River Sub-Basin, Khunti-Ranchi Districts, Jharkhand**", Quarterly Journal of Garc, Vol.21, No. 3, Pp. 97-103, 2023, ISSN: 2322-0945.
- 2) **Toppo, M.M.** and Kumar, U. "**Remote sensing and GIS based approach towards watershed management: A case study of Kanchi River Watershed**", GENIUS Journal No.47100, Vol. VI, Issue-II. Pp 56-63, 2018, ISSN: 2279-0489.
- 3) **Toppo, M.M.**, Kumar, U. and Kumar, B. "**Linear drainage morphometric analysis of Kanchi river watershed, Ranchi and Khunti districts, Jharkhand, India**", Ranchi University Journal of Science and Technology, Vol. 4, No. 2, Pp 79-82, 2017, ISSN: 2319-4227.

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

- 1) Participated in the Two weeks Refresher Course in **Earth Science (Online mode)** by UGC-MMTTC, Jammu University from 26.02.2024 to 09.03.2024.
- 2) Participated in the Refresher Course on **Geological mapping in sedimentary terrain with emphasis on sedimentary facies analysis** conducted by Field Training Centre: Kuju, Geological Survey of India Training Institute from 29.05.2023 to 03.06.2023.
- 3) Participated in the six months Training Programme in **Geoinformatics** from 15.09.2022 to 15.03.2022, conducted by Xavier Institute of Social Service (XISS), Ranchi, Jharkhand, India.
- 4) Participated in the Faculty Development Programme (FDP) organized by IQAC and Department of Geography, St. Xavier's College, Ranchi from 12.04.2021 to 18.04.2021.
- 5) Participated in the Field Training Programme on "**Geological Mapping and Mineral Exploration**" by Geological Survey of India Training institute, Hyderabad from 04.06.2016 to 10.06.2016
- 6) Participated in the **Research Methodology** Course on **Introduction to GIS** by National Remote Sensing Centre, Hyderabad from 05.05.2014 to 30.05.2014.
- 7) Participated in the UGC sponsored 73rd Orientation Programme by UGC-Academic staff college, Ranchi University from 07.06.2013 to 04.07.2013.

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

- 1) Presented paper on "**Watershed Management**" at the "**National Seminar on Groundwater Conservation and Management**" organized by Shaheed Sheikh Bhikari College of Education (affiliated by Ranchi University, Ranchi), Sutiyaambe, Kanke, Ranchi on 3rd January 2024.
- 2) Presented paper on "**Geospatial based approach towards Watershed Management**" at the **International Conference on Advances in Environmental and Agricultural Biotechnology – 22nd -24th February 2018** held at St. Xavier's College, Ranchi.

- 3) Attended Two-day workshop on “**Hydrological modelling of watershed with geospatial techniques**” organized by the Department of Remote Sensing, B.I.T. Mesra on 10th & 11th March 2022.

Any Special Award/Achievement:

- 1) Subject Matter Expert- Geology, Selection Committee at Central Institute of Mining and Fuel research, Regional Centre, Ranchi, Ministry of Science and Technology, Government of India.

[Mable Martha Toppo]