



St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

Name of Faculty Member	:	Dr. Sanyukta Kumar
Gender	:	Female
Email ID	:	sanyukta@sxcran.org
Name of Department	:	Department of Biotechnology
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate
Academic Qualification	:	M.Sc., Ph. D., NET, GATE.
Total Teaching Experience	:	17 Years
UGC-NET Qualified	:	Yes

Research Papers Published:

- 1) Published a research article entitled "**The Microbiology and Traditional State of Fermented Beverage Handia: A Review**". *Research Journal of Agricultural (July 2022) Vol.13 Issue (04): 1323–1328*. P- ISSN: 0976-1675, E- ISSN: 2249-4538.
- 2) Published a research article entitled "**Exploring Pigment Production Potentials of Some Ascomycete Fungi in Varying Physical Conditions**". *Online International Interdisciplinary Research Journal*, July 2019. ISSN 2249-9598, Volume-09, Special Issue.
- 3) Published a research article entitled "**Study of Effect of Various Carbon Sources on Biomass and Extracellular Protein of *Aspergillus Fumigatus* Strain (Mtcc 1811)**", *Indian Journal of Applied Research*. 2015. **October Volume: 5 Issue :10**. 171-173. (ISSN No: 2249-555X).
- 4) Published a research article entitled "**A Comparison of Protein Extraction Methods Using Organic Solvents for Secretome of *Aspergillus Fumigatus* Strain**

(MTCC 1811)", in *International Journal of Scientific Research*. 2015. June Volume : 4 ,Issue : 6 .708-709.(ISSN No: 2277-8179).

- 5) Published a research article entitled "**Changes in carbohydrate content in the seeds of *Schleichera oleosa* (Kusum) due to biodeterioration by pathogenic fungi during storage**", in the journal *The Bioscan* (2011), 6(3): 443-445.

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

- 1) FDP for **computational proficiency** for online classes 12-18th April 2021 organized by St. Xavier's College, Ranchi.
- 2) Successfully completed UGC-Sponsored Refresher Course in **Life Science** organized by UGC-Academic Staff College, Ranchi University, Ranchi from 6th -26th February 2012 and obtained grade 'A'.
- 3) Successfully completed UGC-Sponsored 61st Orientation Programme organized by UGC-Academic Staff College, Ranchi University, Ranchi. From 25th November-22nd December 2010 with Grade 'A'.

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

- 1) Two-day faculty training workshop on functional Nano-Bio Materials, held on 27-28 March 2023 organized by BIT Mesra.
- 2) Presented a paper on "**Amelioration of soil acidity induced Al-toxicity by co-inoculation of PGPR and Mycorrhizae on morphological and biochemical changes in Groundnut (*Arachis hypogaea* L.) seedlings**" in the International Conference on Environment and Sustainable Agriculture held from 14-16 November 2022 at St. Xavier's College Ranchi.
- 3) Chaired a technical session in the International Conference on **Environment and Sustainable Agriculture** held from 14-16 November 2022 at St. Xavier's College Ranchi.
- 4) Attended three days e-Workshop on "**Docking QSAR and Molecular Dynamics**" organized by Ramaiah University on 29th-31st July 2020.
- 5) Attended Webinar on "**How to conduct online sessions in present scenario**" on 25th July 2020 Organized by ICFAI Business School, Gurgaon.

- 6) Attended a webinar on “**Challenges of working from home-2020**” Organized by Rai Univ. Ahamadabad on June 12, 2020. (Dr. Sanyukta)
- 7) Attended a Science Academies workshop on “**Science of Molecular Material & Energy Systems**” organized by St. Xavier’s College, Ranchi, Jan 30 – Feb 01, 2018.
- 8) Chaired The global annual OpenCon satellite event 2017, Ranchi on Aug 26, 2017 organized by Dept. of Botany, St. Xavier’s College, Ranchi.
- 9) Attended The global annual OpenCon satellite event 2016, Ranchi on Nov 12, 2016 organized by Dept. Of Zoology, Ranchi University, Ranchi.
- 10) Presented a research Paper entitled “**A Comparison of Protein Extraction Methods for Secretome of *Aspergillus Fumigatus* Strain (MTCC 1811)**” in National symposium & Annual meeting of Indian Phytopathological Society (Eastern Zone), held on 29th-30th Jan 2015.
- 11) Participated in International Symposium on **Plant Biotechnology Towards Tolerance to Stresses and Enhancing Crop Yield** organized by Department of Biotechnology, BIT Mesra, Ranchi from 28th September –1st October , 2011.
- 12) Participated in National Conference on **Global Warming and Environmental Conservation** organized by Marwari College, Ranchi from 28th February - 1st March, 2011.
- 13) Participated in national level seminar cum exposition on **Modern Microscopes and Their Applications** organized by University Science Instrumentation Centre, University of Burdwan, Burdwan from 8th April - 9th April, 2010.

Chapter(s) Contribution in Book:

- 1) Authored a chapter (**Fagopyrum esculentum**, Chapter-14) in book- **Medicinal Plants in India (Volume –II)**, ISBN- 978-93-89235-03-6, Aug 2019.

Guest Lecture/Special Lecture Delivered:

- 1) Delivered a talk on “**Bioinformatics: Relevance of informatics in life Sciences**” as a Resource person in online International lectures on recent trends in biological science, organized by CNB College, Bokakhat, Assam on 28th July 2021.

- 2) Delivered a talk on “**Information and Communication Technologies**” as a resource person in Refresher course organized by UGC-Human Resource Development Centre, Ranchi University, Ranchi in January 2018.
- 3) Delivered a talk on “**Use of bioinformatics in drug development**” as a resource person in a seminar on Interdisciplinary Advances in Biotechnology organized by Department of Biotechnology, Ranchi Women’s College, Ranchi on 9th March 2013.

Any Special Award/Achievement:

- 1) **Department of Biotechnology (DBT) Scholarship** (July1999 - May 2001) awarded for pursuing Master’s Program in Biotechnology from IIT Roorkee.

[Dr. Sanyukta Kumar]