



# St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

## Faculty Profile

<b>Name of Faculty Member</b>	:	<b>Dr. Alfred Besra</b>
Gender	:	Male
Email ID	:	gabrial.alfred@gmail.com
Name of Department	:	Department of Biotechnology
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate
Academic Qualification	:	M.Sc., Ph. D.
Total Teaching Experience	:	01 Years and 06 Months
UGC NET/SET Qualified	:	Yes

### **Research Papers Published:**

- 1) Besra, A., & Basak, J. (2021). **Efficient regeneration protocol for callus and shoot induction from recalcitrant Phaseolus vulgaris L. explants under optimum growth conditions.** Plant Science Today, 8(4), 786-794.
- 2) Besra, A., & Basak, J. (2019). **In silico protein-protein interactions: An emerging research area to study host-pathogen interaction.** Research Journal of Biotechnology Vol, 14, 7.

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

- 1) Participated in the **NEP 2020** Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP)
- 2) Faculty Induction Programme-20 (FIP-20) organized by the UGC-Human Resource Development Centre, Kumaun University, Nainital

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

- 1) Paper presented on the topic "**Structural characterization of differentially expressed allene oxide synthase and allene oxide cyclase gene in Vigna mungo upon Mung bean yellow mosaic India virus infection**" in the International Conference on Environment, Aquaculture and Sustainable Agriculture, organized at Department of Botany, St. Xavier's College, Ranchi, Jharkhand, Sep 2023.
- 2) Paper presented on the topic "**Antioxidant and physiological study of Vigna radiata (mung beans) plants under salt stress condition**", in the International Conference on Environment, Forestry and Sustainable Agriculture, organized by Department of Botany, St. Xavier's College, Ranchi, Jharkhand, Nov 2022.
- 3) Paper presented on the topic "**Optimization of callus induction in common beans (Phaseolus vulgaris L.) for genetic transformation under optimum growth condition**", in the National Conference on " Biodiversity, Biotechnology and Bioinformatics: Innovative and Emerging Trends-2019 [NCBBBIET 2019], organized by Department of Botany, Berhampur University, Odisha, India. Feb 2019.
- 4) Paper presented on the topic "**Differential effect of plant growth regulators on callus induction in common bean (Phaseolus vulgaris L) under optimum growth conditions**", in the India International Science Festival 2019, Young Scientists Conference-2019, organized at Biswa Bangla Convention Centre, Kolkata, India, Nov 2019.
- 5) Paper presented on the topic "**Standardization of In planta transformation in Phaseolus vulgaris**", in the 1st International conference on frontiers in biological, environmental, and medical sciences (FBEMS 2018), organized by The University of Burdwan, India, Mar 2018.
- 6) Participated in the Workshop on "**Recent Trends in Interdisciplinary Science**", organized by Integrated Science Education and Research Centre (ISERC), India., 2018.
- 7) Paper presented on the topic "**In silico analysis and characterization of an amino acid permease gene from Phaseolus vulgaris**", in the One Day Symposium on 'Recent Advances in Biotechnology', organized at Department Of Biotechnology, Visva Bharati, India, July 2015.
- 8) Participated in the National Symposium on **Evolving Plant Biology: From Chromosomes to Genomics**, Organized By WAST, organized by Bose Institute,

Kolkata; University of Calcutta and Ramakrishna Mission Institute of Culture,  
Kolkata, India, 2015

**Any Special Award/Achievement:**

- 1) Maulana Azad National Fellowship (MANF), 2014.
- 2) Rajiv Gandhi National Fellowship (RGNF), 2014
- 3) Research Eligibility Test (RET) Visva-Bharati, 2013
- 4) Recipient of DBT studentship, awarded by the DBT, INDIA, for qualifying the national entrance test for masters in Biotechnology, 2011

[Dr. Alfred Besra]