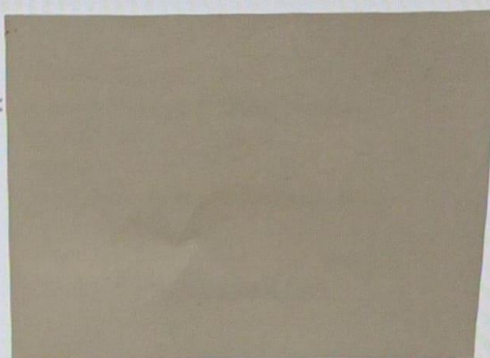


University Academic Curriculum Vitae

Personal information

Name:
Place of birth:
Date of birth:
Nationality:
Address:

Mobile:
E-Mail:



Education since leaving school

- 2012-2016 : B.Sc, Agricultural Science (**Rajendra Agricultural university, Samastipur, Bihar, India**)
- 2017-2019 : Erasmus Mundus Joint Master degree in Plant Health in Sustainable Cropping System (**University of Goettingen and University of Padova**)

Present appointment

- 2020-Ongoing: PhD student at Bioorganic Chemistry and Bio-Crystallography laboratory (B2C1), (**Free University of Bozen-Bolzano, Italy**)

Participation in exhibitions (where applicable)

- 08-Jan-2023 to 17-Jan-2023
Instruct-ERIC Events
Workshop on Nanobodies for Structural Biology and beyond
Training at VIB-VUB center For Structural Biology in Brussels

Experience in academic teaching

- Teaching Assistant for the undergraduate course "Fundamentals of Chemistry and Plant pathology at the department of Science and Technology, Free University of Bozen-Bolzano (80 hrs of experience in total)

| Research and scholarships | Date granted | Award Holder(s) | Funding Body | Title | Amount received (Euro) |
|---------------------------|-----------------|-----------------|--|--|------------------------|
| | 01 January 2016 | Sharda Bharti | Erasmus: The EU-India Consortium BRAVE Plant Virology in the new era Breeding for resistance | Undergraduate visiting student (cohort 2) at University of Helsinki, Finland | 6000 |
| | 2 October 2017 | Sharda Bharti | Erasmus+program of the European Union | Fellowship for Master degree | 49,000 |
| | 16 April 2023 | Sharda Bharti | European Union's Horizon 2020 research and innovation programme under grant agreement No 101004806 | Visit grants for Molecular-Scale Biophysics Research Infrastructure (MOSBRI) visit at , BIOCEV, Prague | 760 |
| | 13 April 2023 | Sharda Bharti | Instruct ERIC | Fellowship for Internship at EMBL, Hamburg | 5,000 |

Publications:

(Ferrigo et al. 2021) Ferrigo, Davide, *Sharda Bharti*, Massimiliano Mondin, and Alessandro Raiola. 2021. "Effect of Naturally Occurring Compounds on Fumonisin Production and Fum Gene Expression in *Fusarium Verticillioides*." *Agronomy*. <https://doi.org/10.3390/agronomy11061060>.

(Carlini et al. 2023) Carlini, Lavinia, Alfonso Esposito, Luca Ambrosino, *Sharda Bharti*, Luca Mauro, and Invernizzi Silvano. 2023. "The Ams Proteins and the Amylovoran Biosynthetic Pathway : An Extensive Bioinformatic Study." *Journal of Plant Pathology*. <https://doi.org/10.1007/s42161-023-01532-9>.

Further data

- E-conference Foodathon, Wageningen University - proposed strategy for a sustainable dietary pattern and found a sustainable solution (2018)
- Poster presentation at 3rd Third International Symposium on Fire Blight of Rosaceous Plants, Dresden-Pillnitz, Germany (6th - 9th September, 2022)
- Poster presentation at International School on Biological Crystallization, Granada, Spain (21st-27th May 2023)
- Oral talk in 4th AIC Meeting for crystallography, 4th to 6th June, Florence.
- ECS8: European Crystallography School 2023, Helmholtz-Zentrum Berlin für Materialien und Energie, Berlin, BESSY II, Germany, (18th-24th June 2023)
- 25th EMBL PhD symposium (November, 2023)
- Courses - Biological small angle scattering - EMBL Hamburg (November 2023)

Job related skills:

- Molecular cloning, protein expression, purification including affinity, ion exchange, hydrophobic and size exclusion chromatography, SDS/LDS PAGE, Western blotting. Crystallization techniques using both manual and robotics tools, crystal mounting and fishing, biophysical characterization of proteins including nano DSC, nano DLS, CD and SAXS. X-ray diffraction data collection and structure refinement
- PCR, RT PCR, DNA/RNA extraction, isolation of phytopathogens from diseased plants and their identification using microscopy techniques, Experience in working with S1 and S2 organisms in sterile conditions.
- Overall versatile experience of handling plant pathogens from field to laboratory
- Key strength: Quick learner, ready to accept the challenges and work out of the comfort zone.

Languages

Maithili (Mother tongue)
Hindi (C1)
English (B2), IELTS
Italian (A1) LEZ