

Bhawna Bhawna

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Jena, Germany.
Date of Birth: 28.01.1997 in India
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Work Experience

10/2022 – Present

Matthias Schleiden Institute Jena, Germany

Master Thesis: Characterization of the SRS_13901 effector protein of *Sporisorium reilianum* f.sp. *reilianum*

- Molecular biology techniques: Cloning, PCR, DNA and RNA isolation, gel electrophoresis, Southern blot, Western blot, real-time PCR
- Genotyping using HRMA (high-resolution melting curve)
- Sequence analysis
- Creation of the mutant strains and Gene complementation
- Protein-protein interaction analysis using the yeast two-hybrid.
- Enzyme-based assays for functional evaluation of signal peptide.

Education

Since 10/2021

Friedrich Schiller University, Jena, Germany

Master of Science in Molecular Life Sciences

Ground modules

- Molecular Development Biology
- Molecular genetics
- Molecular cell biology

Advanced modules

- CRISPR/Cas9 (*Arabidopsis thaliana*), Sanger sequencing analysis
- Molecular development biology of model system (*Zebrafish*)
- Cloning of plasmids

08/2018 – 04/2021

Delhi University, India

Bachelor of Science in Zoology Honors

- Genetics, Immunology
- Cell and development biology
- Proteins and enzymes
- Physiology
- Molecular biology
- Biochemistry

Laboratory Skills

- Proficient in laboratory safety protocols and data analysis
- Strong communication and collaboration skills.
- Project management and organization
- Documentation and reporting
- Presentation skills

Skills

Language:

German

Basic

English

Business Fluent

Software / Tools:

Microsoft Office

Word, Excel, PowerPoint

Method-specific software

Clone manager, NEB builder

Hobbies

- Learning new skills.
- Playing badminton.
- Researching molecular techniques



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