



Bhawna Bhawna

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Address:

Date of Birth: Phone No: Email:

# 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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