

Curriculum Vitae

PERSONAL INFORMATION

Vinay Singh



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📍 Department of Bioscience and Bioengineering, Indian Institute of Technology, Indore India 452001

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💬 Master's student, IIT Indore

Sex **Male** | Date of birth **01/07/1998** | Nationality **Indian**

Career Objective:

- A research-oriented enthusiastic, adaptive diligent, and self-motivated Master's student, looking forward to opportunities that would help to explore the field of environmental ecology and aim to apply the acquired knowledge in understanding the environment and moving a step closer to my academic qualification and experimental learning.

Masters Dissertation:

Supervisor – Dr. Abhijeet Joshi (Assistant prof) and Dr. Prashant Kodgire (Associate prof) Dept. of Biosciences and Bioengineering, Indian Institute of Technology, Indore, India

Project Title - **Recombinant expression and development of enzyme-based biosensors for the detection of pesticides**

Experimental Skills – Cloning, Expression, and Protein Purification, FPLC, UV- Visible spectroscopy and Fluorescence spectroscopy

WORK EXPERIENCE

- **Winter Internship (28-11-2019 to 16-01-2020)**

Supervisor - Dr. Prashant Kodgire (Associate prof) – Dept. of Biosciences and Bioengineering, Indian Institute of Technology, Indore, India

Project Title - Cloning, Expression & Purification of *Salmonella* Virulence Factor *SrfA*

EDUCATION

Master in Biotechnology (2019 to till date)

CPI 8.93

Indian Institute of Technology, Indore, MP, India

Molecular Biophysics, Advanced Molecular Biology, Analytical Biochemistry, Microbiology Biochemistry, Genetic Engineering, Immunology, and Immunotechnology, Biostatistics and Bioinformatics, Virology, Cell and Development Biology, Infectious Disease and Medical Microbiology

Bachelor in Biological Sciences (2016 to 2019)

CGPA: 7.93

Sri Venkateshwar College, University of Delhi, New Delhi, India

Subject Studied -

Immunology, Biochemistry, Cell biology, Microbiology, Molecular biology, RDT, Genetics, Medicinal Botany, Animal Behavior and Chronobiology, Evolutionary Biology, animal and plant biotechnology

PERSONAL SKILLS

Mother tongue
Other Language

HINDI
English

Communication Skills

Good interpersonal, effective communication, and presentation skills.

Technical exposure Related skills

- Sensing technique like UV-visible Spectrophotometer and Fluorescence Spectroscopy.
- Fast protein liquid chromatography (FPLC)
- During Biochemistry practical gain experience of Protein Purification and Estimation – Affinity Chromatography, Size Exclusion Chromatography, SDS PAGE.
- Gain experience of Protein Expression during Internship– Cloning, Transformation, SDS PAGE
- Molecular biology and Immunological techniques like qRT-PCR, transformation, SDS PAGE, Gel electrophoresis, Genome isolation, Western blotting etc.

Computer Proficiency

Scientific and statistical software: MS Office, BLAST, Primer3, Web Cutter, PDB Analysis, NEB software and R software.

Other skills

- Well known to techniques like Immuno-histochemistry, fluorescence imaging - learnt during master's practical course work.

Additional Information

Conference Attendance

- International Conference on "Emerging Areas in Biosciences and Biomedical Technologies(eBBT2)" on 7th – 9th February, 2020.
- Workshop on "Analytical Methods in Biostatistics" 11-12, October, 2019.

Extracurricular Activities

- Captain of cricket team in college tournament, SVC, 2019.
- Inline Skater
- Accomplished Dancer.
- Marathon Runner.

Referees:

Dr. Prashant Kodgire
Associate Professor

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Dr. Abhijeet Joshi
Assistant Professor

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