CHANDAN SHRINGI

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CONTACT

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EDUCATION

PhD (Bioengineering)
Department of Bioengineering, IISc Bengaluru
Aug 2022– Present
CGPA: 8.6

B.Tech. (Biotechnology)
USBT, GGSIP University
2018–2022
CGPA: 8.56

SKILLS

Tissue Culture:
- Organotypic Models Culture
- Mammalian Tissue Culture
- 3D Hydrogels – Collagen; Polyacrylamide; PDMS
- Plant Tissue Culture
- Bacterial Culture

Imaging:
- Confocal Microscopy
- Epi-Fluorescence Microscopy
- Traction Force Microscopy
- Image Analysis – FIJI/ImageJ

Lab Techniques:
- Recombinant DNA Techniques
- Molecular Bio. Lab Techniques

Computational:
- Python; R; MATLAB
- Linux/Bash
- Git/GitHub
- Web Development

RESEARCH EXPERIENCE

PHD DISSERTATION
Aug 2022 - Present
Investigating Mechanisms Behind Oral Cancer Initiation Using 3D Organotypic Models of Human Oral Mucosa

UNDERGRADUATE DISSERTATION
Jan 2022 – July 2022
Genome wide analysis of Arsenate Reductase and Arsenite Transporter gene family and their expression in contrasting rice genotypes.

SCIENCE ACADEMIES' SUMMER RESEARCH FELLOW
July 2021– Sept 2021, University of Delhi
Study of interactions between plants and viruses utilizing various molecular biology and tissue culture techniques

UNDERGRADUATE RESEARCHER
Nov 2021, USBT, GGSIPU
In silico identification and validation of miRNA and their ABI-3 specific targets in Oryza sativa Indica under abiotic stress

SUMMER INTERN
June 2019 – July 2019, USBT, GGSIPU
Study of Bioremediation capability of bacteria Cellulosimicrobium sps

ACHEIVEMENTS

- The Bharat Scouts and Guides *Rashtrapati Scout* certificate from **The President of India**.
- Department of Biotechnology (DBT) JRF Fellowship Awardee 2022
- Graduate Aptitude Test in Engineering (GATE) 2022 Qualified
    All India Rank – 112
- Graduate Aptitude Test of Biotechnology (GAT-B) 2022 Qualified
    All India Rank – 7
- Joint Admission test for Masters (JAM) 2022 Qualified
    All India Rank – 42

CERTIFICATES

- Crash course on Python – Google
- Programming for everybody – University of Michigan
- Python Data Structures – University of Michigan
- Open-Source Software Development – The Linux Foundation
- Introduction to Git and GitHub – Google
- Technical Support Fundamentals – Google
- Guinness world record event-Online programming lesson – GUVI