



ANUJ SHARMA

Agriculturist • Plant Pathologist • Epidemiologist • Data Scientist

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sharmaan

Gainesville, FL

relocate globally ✓

MOTIVATION

I am a Postdoctoral Researcher in Plant Pathology and have passion for research. I am a fast learner and am enthusiastic to learn new and cutting-edge science. I am known to be punctual and hardworking. I am creative, self-motivated and capable of taking leadership role to design and carry out research experiments. I take pride in my ability to work collaboratively and communicate efficiently with a team. I am credited for having an eye for the detail, ability to work under pressure, and advanced computer expertise.

SKILLS

DNA cloning	██████████
Genomic analysis	██████████
RNA-seq analysis	██████████
Gene mapping	██████████
Genotyping	██████████
Experiment design	██████████
Predictive modeling	██████████
Microsoft office	██████████
Shell scripting	██████████
R language	██████████
Python language	██████████
Scientific writing	██████████
Web design	██████████

LANGUAGES

English	██████████
Nepali	██████████
Spanish	██████████

WORK EXPERIENCE

POSTDOCTORAL RESEARCH ASSOCIATE 2021 –
University of Florida, Department of Plant Pathology Gainesville, FL, USA

- ▶ Developed bioinformatic pipelines for sequence assembly, annotation, and phylogenetic analysis of bacterial sequences.

GRADUATE RESEARCH ASSISTANT 2017 – 2021
University of Florida, Department of Plant Pathology Gainesville, FL, USA

- ▶ Developed statistical models for bacterial dispersal in field and nursery to elucidate the role of effectors in dispersal.
- ▶ Performed transcriptomic analysis of citrus to investigate the changes in response to citrus canker.
- ▶ Designed and executed experiments to determine the mutation rate of *Xanthomonas* TAL effectors.
- ▶ Characterized novel bacterial spot resistance and mapped the resistance genes in pepper.
- ▶ Wrote and published scientific research and review papers.
- ▶ Peer reviewed research manuscript for multiple journals.
- ▶ Taught guest lectures on bacterial and fungal plant pathogens.

RESEARCH INTERN 2016 – 2017
Nepal Agriculture Research Council Pokhara, Nepal

- ▶ Performed coordinated varietal trials of several vegetables.
- ▶ Undertook coffee rust biocontrol trial for organic production.
- ▶ Generated and evaluated hybrid tomato for blight tolerance.
- ▶ Mentored Junior Technical Assistants and extension agents.

EDUCATION

PHD IN PLANT PATHOLOGY 2021
University of Florida, Department of Plant Pathology

BS IN AGRICULTURE 2016
Tribhuvan University, Institute of Agriculture and Animal Science

PUBLICATIONS

Please visit <https://anujs.com.np/>.

REFERENCES

To be provided upon request.

