Anuj Sharma

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PhD Candidate
Department of Plant Pathology
University of Florida

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EDUCATION

University of Florida — Gainesville, FL, USA
PhD in Plant Pathology — 2021 (Expected)

Tribhuvan University — Chitwan, Nepal
BS in Agriculture — 2016

AWARDS

APS Foundation Student Travel Award — 2020
American Phytopathological Society

IFAS Travel Award — 2020
University of Florida, Institute of Food and Agricultural Sciences

PPGSO Travel Award — 2019
UF Plant Pathology Graduate Student Organization

Graduate School Preeminence Fellowship — 2017
University of Florida, Department of Plant Pathology

Merit Scholarship Award — 2012
Tribhuvan University, Institute of Agriculture and Animal Science

RESEARCH EXPERIENCE

University of Florida — Gainesville, FL, USA
Graduate Research Assistant — 2017-Present
(Advisor: Dr. Jeffrey B. Jones)

- Effect of XopJ2 in *Xanthomonas perforans* ingress and egress from lead apoplast.
- Understanding transcriptomic changes in citrus due to *Xanthomonas citri* infection.
- Study of mutation rate of *Xanthomonas* TAL effectors.
- Modelling the dispersal of *Xanthomonas perforans* in field and greenhouse.
- Understanding the role effector *XopJ2* in spread of *Xanthomonas perforans*.
- Mapping of novel bacterial spot resistance genes in pepper.

Nepal Agriculture Research Council Pokhara, Gandaki, Nepal
Research Intern 2016-2017
(Supervisor: Tirtha R. Pokharel)

- National coordinated varietal trials of several vegetable crops.
- Evaluation of various coffee rust biocontrol strategies.
- Resistance breeding against late blight resistance in tomato.

Tribhuvan University Bharatpur, Bagmati, Nepal
Undergrad Research Assistant 2015-2016
(Advisor: Dr. Sundar M. Shrestha)

- Screening of finger millet accessions for blast resistance.
- Disease diagnosis for plant diagnostic clinic.

TEACHING EXPERIENCE

University of Florida Gainesville, FL, USA

Guest Lectures

- **Stramenopiles** (in Fungal Plant Pathogens) 2020
- **Identification of bacteria** (in Bacterial Plant Pathogens) 2020

Teaching Assistant

- Fungal Plant Pathogens (Lab support and lab introduction) 2020
- Bacterial Plant Pathogens (Lab support) 2020
- General Plant Pathology (Lab preparation and lab introductions) 2019

PROFESSIONAL AFFILIATIONS

American Phytopathological Society 2017-Present

Florida Phytopathological Society 2017-Present

UF Plant Pathology Graduate Student Organization, Outreach committee 2017-2020

UF Plant Pathology Graduate Student Organization (Treasurer) 2019-2020

APS Graduate Student Arts Committee 2019-2020

PUBLICATIONS

RESEARCH PAPERS

Abrahamian P, **Sharma A**, Jones JB, and Vallad GE. 2020. Dynamics and spread of bacterial spot epidemics in tomato transplants produced for field production. Plant Disease.

Bhatta A, **Sharma A**, Gautam P, Subedi B, Paudel M, Pariyar K and Mishra S. 2017. Resistant and susceptible response of finger millet to seedling blast. (*Pyricularia grisea* SACC.). IJIRR.

Sharma A, Timilsina S, Abrahamian P, Minsavage GV, Colee J, Ojiambo PS, Goss E, Vallad GE and Jones JB. 2021. Need for speed: Bacterial effector XopJ2 is associated with increased rate of dispersal of *Xanthomonas perforans*. [In Preparation]

REVIEW PAPERS

Sharma A, Jones JB and White FF. Recent Advances in Developing Disease Resistance in Plants. F1000Research 2019, 8(F1000 Faculty Rev):1934.

BOOK CHAPTERS

Sharma A, Timilsina S and Jones JB. Initial Identification of Common Bacterial Genera. *In Laboratory Guide for Identification of Plant Pathogenic Bacteria, 4th Edition*. American Phytopathological Society (APS Press). [In Preparation]

Ham JH, **Sharma A**, Jones JB and Chun W. *Burkholderia* and *Robbsia*. *In Laboratory Guide for Identification of Plant Pathogenic Bacteria, 4th Edition*. American Phytopathological Society (APS Press). [In Preparation]

CONFERENCE PRESENTATIONS

Role of *AvrBsT* in dispersal of *Xanthomonas perforans* and severity of bacterial spot of tomato. Plant Health 2019, Cleveland, OH, USA.

Characterization of bacterial spot resistance gene against *Xanthomonas gardneri* in Hungarian pepper. 16th Biennial Florida Phytopathological Society Meeting, Lake Alfred, FL, USA. 2019.

POSTERS

Genetic mapping of bacterial spot resistance gene against *Xanthomonas gardneri* in Hungarian pepper. Plant Health 2020.

REFERENCES

References will be provided upon request.