

Anuj Sharma

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PhD Candidate
Department of Plant Pathology
University of Florida

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EDUCATION

University of Florida

PhD in Plant Pathology

Gainesville, FL, USA

2021 (Expected)

Tribhuvan University

BS in Agriculture

Chitwan, Nepal

2016

AWARDS

PPGSO Travel Award

UF Plant Pathology Graduate Student Organization

2019

Graduate School Preeminence Fellowship

University of Florida, Department of Plant Pathology

2017

Merit Scholarship Award

Tribhuvan University, Institute of Agriculture and Animal Science

2012

RESEARCH EXPERIENCE

University of Florida

Graduate Research Assistant

(Advisor: Dr. Jeffrey B. Jones)

Gainesville, FL, USA

2017-Present

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.

Study of mutation rate of *Xanthomonas* TAL effectors.

Nepal Agriculture Research Council

Research Intern

(Supervisor: Tirtha R. Pokharel)

Pokhara, Nepal

2016-2017

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

Undergrad Research Assistant

(Advisor: Dr. Sundar M. Shrestha)

Chitwan, Nepal

2015-2016

Screening of finger millet accessions for blast resistance.

Disease diagnosis for plant diagnostic clinic.

TEACHING EXPERIENCE

University of Florida

Gainesville, FL, USA

Guest Lecture: **Stramenopiles** (in Fungal Plant Pathogens) 2020

Guest Lecture: **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

UF Plant Pathology Graduate Student Organization

(Treasurer) 2019-2020

APS Graduate Student Arts Committee

2019-2020

American Phytopathological Society

2018-Present

UF Plant Pathology Graduate Student Organization, Outreach committee

2017-Present

Florida Phytopathological Society

2017-Present

PUBLICATIONS

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.).

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

Sharma A, Timilsina S, Abrahamian P, Minsavage GV, Colee J, Ojiambo PS, Goss E, Vallad GE and Jones JB. Role of *XopJ2* in 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. 2019.

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