

Anuj Sharma

anujsharma@ufl.edu

Department of Plant Pathology

2550 Hull Rd, 2307 Fifield Hall, Gainesville, FL 32611

Phone: (352) 273-4646

Website: rknx.github.io

CURRENT POSITION

University of Florida

PhD student

Gainesville FL

2017-Present

EDUCATION

Tribhuvan University

BS in Agriculture, Plant pathology minor

Chitwan, Nepal

2016

AWARDS

Department Fellowship for PhD studies

University of Florida, Department of Plant Pathology

2017-2021

Merit scholarship award

Tribhuvan University, Rampur Campus

2013-2016

SKILLS

Genomics

GBS and GWAS analysis, Phylogenetics

Molecular

CRISPR, VIGS, qPCR, HRM analysis

Statistical software

R (ggplot and dplyr)

Coding languages

Unix, R, python, javascript

Design software

Photoshop, Fusion 360

General

Microsoft Office

RESEARCH EXPERIENCE

University of Florida

Graduate Research Assistant

Gainesville, FL

2017-Present

(Advisor: Dr. Jeffrey B. Jones)

Modelling the role *avrBsT* in spread of *Xanthomonas perforans*.

Epidemiological modelling and predictive modelling

Fine mapping and functional validation of *bs6* gene in pepper.

CRISPR knockouts, gene silencing and bioinformatics

Mapping of novel resistance gene against *X. gardneri* in pepper.

BSA/GBS, bioinformatics and validation

avrXv3 is a negative fitness factor in *X. perforans*.

Pathogen population studies and phenotypic characterization

Nepal Agriculture Research Council

Research Intern

Pokhara, Nepal

2016-2017

(Supervisor: Tirtha R. Pokharel)

CVT trials of several vegetables

Multilocation experimental design and data analysis

Evaluation of coffee rust biocontrol strategies

Dosage and application methods for *Beauveria* and *Metarhizium*

Hybrid seed production for late blight resistance in tomato

Crossing breeding lines and evaluation for resistance

Tribhuvan University

Undergrad Research Assistant

Chitwan, Nepal

2015-2016

(Advisor: Dr. Sundar M. Shrestha)

Screening for resistance for blast in finger millet accessions

Experiment design, field trial and data analysis

PROFESSIONAL AFFILIATIONS

American Phytopathological Society	2018-Present
APS arts committee	2019-Present
Agri-Youth Nepal	2016-2018

PUBLICATIONS

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

REFERENCES

Dr. Jeffrey B. Jones Distinguished Professor Department of Plant Pathology University of Florida	2550 Hull Rd Rm 2553 Fifield Hall Gainesville, FL 32611 (352) 273-4673 jbjones@ufl.edu
Dr. Samuel F. Hutton Associate Professor Department of Horticulture Sciences University of Florida	14625 CR 672 Rm 171 GCREC Wimauma, FL 33598 (813) 419-6610 sfhutton@ufl.edu
Dr. Gary E. Vallad Associate Professor Department of Plant Pathology University of Florida	14625 CR 672 Rm 126 GCREC Wimauma, FL 33598 (813) 419-6577 gvallad@ufl.edu
Dr. Erica M. Goss Assistant Professor Department of Plant Pathology University of Florida	2550 Hull Rd 2415 Fifield Hall Gainesville, FL 32611 (352) 273-4650 emgoss@ufl.edu