



MANOJ SAPKOTA

- Plant Breeding • Genetics • Genomics
- Bioinformatics • Statistics

- ☎ 706-296-5126
- ✉ im_Mannose
- in manoj34sapkota
- ✉ manoj34sapkota@gmail.com
- 🌐 manoj34sapkota.github.io

ABOUT ME

As a Genomics Postdoc at Breeding Insight, Cornell University in Ithaca, NY, I am deeply passionate about advancing plant genetics, genomics, metabolomics, and bioinformatics. With over 6 years of expertise in bioinformatics, statistics, and various aspects of plant biology—ranging from traditional gene cloning, QTL mapping, molecular cloning to gene editing—I bring a wealth of knowledge to my role as a seasoned plant scientist. Renowned for my grounded and solution-oriented approach, I excel in motivating teams, demonstrating robust organizational skills, and assuming leadership roles in project execution. Proficient in genetics, genomics, bioinformatics, wet-lab, and field research, I am recognized as a dedicated team player, celebrated for my versatility, helpfulness, and adeptness at fostering strong working relationships. My research pursuits revolve around exploring the genetics underlying crucial plant traits, leveraging innovative molecular tools to drive scientific advancements.

BIO

- Birth Date
- 15 June 1993**
- Nationality
- Nepal**
- Location
- Athens, GA, USA**
- Language
- English, Nepali, Hindi**

EDUCATION

- 2017-23 • **University of Georgia**
PhD
Institute of Plant Breeding, Genetics and Genomics
Athens, GA, USA
- 2012-16 • **Tribhuvan University**
B.S. Agriculture
Institute of Agriculture and Animal Sciences
Chitwan, Nepal

RESEARCH EXPERIENCE

- **Genomics Postdoc**
Breeding Insight, Cornell University, Ithaca, NY
June 2023- Present
Supervisor: Dr. Dongyan Zhao and Dr. Moira Sheehan
- **Graduate Research Assistant**
Institute of Plant Breeding, Genetics and Genomics, UGA
August 2017- June 2023
Supervisor: Dr. Esther van der Knaap
- **Research Technician**
International Maize and Wheat Improvement Centre (CIMMYT), Nepal
November 2016- June 2017
Supervisor: Dr. Ajanahalli Ramaiah Sadananda

SKILLS

- ▬ R programming
- ▬ Linux programming
- ▬ Python programming
- ▬ Graphic designing
- ▬ Big data and WGS
- ▬ QTL mapping
- ▬ GWAS and GBS
- ▬ Diversity analysis
- ▬ RNA/QTL seq
- ▬ Tissue culture
- ▬ CRISPR/Cas cloning
- ▬ Genotyping
- ▬ Marker designing
- ▬ Scientific writing
- ▬ Web designing
- ▬ Microsoft office

FELLOWSHIP

- The Roger and Cindy Boerma Plant Breeding Excellence Scholarship Award 2022**
- The John Ingle Innovation in Plant Breeding Award 2021**

AWARDS

- Travel award, Tools for polyploid workshop 2024
- 2nd place, PhD poster competition, 2022 PBGG Retreat
- 3rd place, PhD poster competition, 2020 PBGG Retreat
- 1st place, PhD poster, 2019 PBGG Retreat
- Travel award, 3rd Annual University of Florida Plant Science Symposium

PUBLICATIONS

Please visit:
manoj34sapkota.github.io/publications

REFERENCES

To be provided upon request

HOBBIES

