

Adama R Tukuli

Genetics, genomics, breeding and data science

CONTACT

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PROFILE

PhD Candidate at University of Missouri

EDUCATION

Since 2017

University of Missouri

PhD candidate in Plant-Microbe interaction

2007

Jimma University, Ethiopia

Bachelor of Science in plant sciences

MANAGEMENT/LEADERSHIP SKILLS

- Student Union Reps
- International student clerk
- Project and Team Management
- Google sheet, Tableau, Git, Excel, PowerPoint

TECHNICAL SKILLS

- Machine Learning and visualization
- Natural Language Processing
- Full-stack web development
- Python, R, JavaScript, Perl, SQL, Hadoop, Spark, AWS, Azure

Domain expertise

- Statistics and Probability
- Functional genomics: RNA-Seq, CHIP-Seq, ATAC
- Molecular Biology, Breeding, genetics and genomics mainly CRISPR cloning, genotyping, phenotyping

EXPERIENCE

2017 - PRESENT

PhD Candidate | MU Microbe-Legume interaction Lab

Leadership

- Coordinating lab activities, rotation undergrad students.
- Coordinating Transgenic project from cloning to field operation while following USDA protocol.

Current Projects

- **CRISPR 3 MGL** genes knockout to increase soybean meal Met content
- **CRISPR 7 MGL+7s** genes knockout to increase soybean meal Met content
- Developed **MySQL** DB for soybean genome PAM sites

Past Projects

- Run **semi-automatic SCN** phenotyping
- Develop **LED chamber with Lab-jack** assisted closed system

2007-2017

Graduate assistant Lecturer | Arba Minch University

- Lab Manager
- Teaching undergrad student s