

RAVI TEJA KUMAR REDDY NEELIPALLY

7700 Gleason Drive APT#25D,
Knoxville, Tennessee 37919
361-228-3816

Email: rneelipa@vols.utk.edu
<https://www.linkedin.com/in/ravi-teja-reddy-neelipally-92132911>

Highly conscientious and ingenious doctoral student with a demonstrated biography of working in the higher education industry and proficient in Data analysis, Research and Teaching.

EDUCATION

University of Tennessee- Knoxville
Doctor of Philosophy: Agronomy/Soil Science
Expected graduation 2023

Texas A&M University- Kingsville
Master's: Plant and Soil Science
GPA 4.0
May 2020

P.J.T.S. Agricultural University- Rajendranagar, India
Bachelor of Science: Agriculture
GPA 7.75/10
May 2018

DOCTORAL RESEARCH

Designing farmer's goal-oriented organic grain rotations to optimize agronomic, economic and ecological outcomes in Tennessee, University of Tennessee- Knoxville, 2020.

MS RESEARCH

Interaction of *Bradyrhizobium* and *Trichoderma* on the growth, development and yield of *Arachis hypogea* (Peanuts),
Texas A&M University- Kingsville, 2019

RESEARCH PUBLICATIONS

“Effect of co-inoculations of *Bradyrhizobium* and *Trichoderma* on growth, development and yield of *Arachis hypogea* L. (Peanut)” Ravi Teja Reddy Neelipally¹, Ambrose Anoruo², and Shad Nelson³ (Under review at Agronomy journal).

PRESENTATIONS

Subtropical Agriculture and Environments Society Meeting, 2020

- Poster and oral presentation titled “Interaction of *Bradyrhizobium* and *Trichoderma* on the growth, development and yield of *Arachis hypogea* (Peanuts)”.

Subtropical Agriculture and Environments Society Meeting, 2019

- Poster and oral presentation titled “Hydroponic fodder provides higher nutrition to livestock than barley grain feed”.

Agri Tech South 2018 “Exhibition and Conference on Agri Technology & Innovation”

- Presentation and live exhibition titled “Cost effective production practices for Button and Oyster mushrooms”.
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PROFESSIONAL EXPERIENCE

University of Tennessee- Knoxville, **Graduate Student Assistant**, 2020-Present.

Texas A&M University- Kingsville, **Graduate Teaching Assistant**, 2019-2020

- Lab instructor for "Intro to Plant and Soil Science".
- The job involved teaching the course material in the lab & classroom, organizing field trips and, other lab activities.
- Examined soil profiles and collected soil samples for lab analysis.
- Proctored, graded exams and assignments.

Innovative Seed Solutions LLC- **Sorghum Breeding Intern and Research Aide**, 2019

- Assisted with plant breeding research including research plot maintenance, organizing, and completing pollination, harvesting, and analyzing samples.
- Collected high-quality data on specific traits of economic importance such as maturity and disease resistance.
- Worked in a project that determines the resistance of elite sorghum hybrids to Iron deficiency chlorosis in alkaline soils.

Texas A&M University- Kingsville, **Graduate Teaching Assistant**, 2018-2019

- Lab instructor for " Ag Mechanics Lab".
- Presented course material and graded assignments.
- Assisted students with welding, metal and wood cutting, and operated the relating machineries.
- Volunteered for project shows in Bishop and Kingsville.

P.J.T.S. Agricultural University- Rajendranagar, **Mushroom Cultivator & Trainer**, 2018

- Produced spawn in the lab and cultivated 4 different types of mushrooms in the low-cost production unit.
- Also trained 200 farmers in the field of mushroom cultivation.

District Agricultural Advisory and Transfer of Technology Centre- Nalgonda, **Intern**, 2017.

- Assisted farmers in rural areas to shift to wetting and drying method of rice cultivation and successfully transferred the innovative technology and reported the feedback to the scientists at water technology center at Hyderabad.
 - Coordinated with district organic farmers to improve traditional inoculation practices in organic farming.
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COMPUTER SKILLS

- MICROSOFT OFFICE
 - SAS and SPSS
 - SQL
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ADDITIONAL SKILLS AND CAPABILITIES

- Familiarity with scientific research methodologies in plant breeding and agronomic practices.
 - Acquaintance with various lab activities (polymerase chain reaction, transformation of bacterial cells, DNA extraction from leaf and roots, gel electrophoresis, gel DNA extraction) and outdoor harvest equipment.
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ACTIVITIES

- Attended AGRIPACE 2017 “An International Conference cum Expo on Agriculture & Veterinary Sciences: Research & Technology” that focused on biotechnology for a second green revolution in India and other developing countries.
- Gold medalist in the National Science Olympiad-2008 within the district and honored with certificate of merit.
- Phi Kappa Phi Honor Society member, Texas A&M University- Kingsville, 2019.
- Participated in National level table tennis, basketball, and soccer competitions-2010,2015,2016&2017.