Rahul Chandra

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EDUCATION

Acharya N.G Ranga Agricultural University, Andhra Pradesh, India.
MS in Agriculture (Plant physiology)
GPA: 8.26/10.0
December 2021

Tamil Nadu Agricultural University, Theni, Tamil Nadu, India
BS in Agriculture
Major courses: Principles of analytical chemistry, fundamentals of soil science principles of environmental science, soil resource inventory and problem soils soil fertility, fertilizers and manures, fundamentals of soil water conservation engineering, soil and applied microbiology, fundamentals of biochemistry, fundamentals of agriculture meteorology, fundamentals of microbiology, irrigation management, agronomy of field crops, renewable energy, plant biotechnology, principles and methods of plant breeding, organic farming, climate change and disaster management.
GPA: 8.02/10.0
July 2019

MS RESEARCH

Physiological studies on nitrogen assimilation during reproductive stage of groundnut (*Arachis hypogaea* L.), 2021

RESEARCH AND PROFESSIONAL EXPERIENCES

Graduate Teaching Assistant January 2019 – July 2021
Acharya N. G. Ranga Agricultural University, Andhra Pradesh, India.

- Lab instructor at Central Instrumentation Cell, Bapatla Agricultural College.
- Lectured and guided undergraduate students.
- Assisted Professors during practical sessions by guiding students in course related experiments and field work.

AWARDS AND HONOURS

- Merit based scholarship for two year studies of M.S in Agriculture, (2019-2021)
- Was awarded “the best performer for the year” award for the combined achievements in sports, co-curricular and academics, (2019).

- Was a member of the student's group which was recognized as the "Best RAWE group" during final year Rural Agricultural Work Experience Program. (2019)
- Was felicitated for securing highest GPA in MS program within the university.

PUBLICATIONS

- Rahul, C., Sreekanth, B., Jayalalitha, K., and Srinivas, T. Effect of supplemental application of nitrogen during reproductive stage on yield parameters in groundnut (Arachis hypogaea L.). *The Pharma Innovation journal*. 2022; 11(6):593-595.
- Effect of supplemental application of nitrogen during reproductive stage on physiological parameters in groundnut (Arachis hypogaea L.). Rahul Chandra, B. Sreekanth, K. Jayalalitha and T. Srinivas. Under review at journal *Research on crops*.
- Popular article: Rahul, C. *Groundnut: a legume or a nut*. *Kerala karshakan* e-journal. 2022; 10(1): 36-39. https://fibkerala.gov.in/sites/default/files/inline-files/KKE%20JULY%202022%20%281%29.pdf

OTHER ACHEIVEMENTS

- Headed music club society in the campus as club secretary. 2017-2019
  College of Agricultural Technology

- Member of editorial board for college magazine "Agronova" 2018-2019
  College of Agricultural Technology

SKILLS AND KNOWLEDGE AREAS

- Plant physiology: estimation of plant nutrients, plant enzymatic analysis, soil nutrient analysis and other biochemical analysis including measurement of plant respiration rate, chlorophyll content etc.
- Biotechnology: plant tissue culture, culturing media preparation, preparation of suspension cultures, Isolation of DNA, Gel electrophoresis, Polymerase chain reaction.
- Biofertilizers: Isolation, culturing, inoculation and commercial production of Rhizobium, Pink Pigmented Facultative Methylotrophs, Vascular Arbuscular Mycorhiza, Azotobacter.
- Language: English, Hindi, Malayalam, Tamil and Telugu.

ADDITIONAL SKILLS AND CAPABILITIES

- Knowledge in Microsoft Excel for data analysis.
- Expert in plant nutrient and enzymatic analysis.
- Experienced in laboratory operations and maintenance.
- Trained in commercial production azolla, vermicompost and sericulture.
- Trained in isolation, culturing and commercial production of bio-inoculants.
- Good communication and interpersonal skills. (Scored overall 8 band in IELTS examination).