



Dr. Divya Subramanian

Career objective

As I am the fresher in this field. I will know about the nature of work. Moreover, I will attempt to know about the various processes which form my job. By doing so, I will be able to do my job more proficiently. On the other hand, I shall implement my knowledge into the practical world.

✉ divyasubramanian13@gmail.com

☎ 9629973019

📍 7, Maanithiyar kadu (west), Vellakkal patti (Post), Namagiripet (Via), Rasipuram (Taluk), Namakkal (District)

EDUCATION

B.Sc (Agriculture)

College of Agricultural Technology, Theni

07/2013 – 05/2017

OGPA- 8.88

Project

- Evaluation of various germplasms for the assessment of genetic variability in Greengram (*Vigna radiata* [L.] Wilczek)

M.Sc (Agriculture)- Genetics and Plant Breeding

Agricultural college and Research Institute, TNAU

08/2017 – 07/2019

OGPA- 9.22

Thesis

- Genetic Studies on seed yield and screening for powdery mildew resistance in sunflower (*Helianthus annuus* L.)

Ph.D - Genetics and Plant Breeding

Agricultural College and Research Institute, TNAU

08/2019 – 10/2022

OGPA – 9.19

Thesis

- Genetic analysis of blast resistance in finger millet (*Eleusine coracana* L. (Gaertn.))

TEACHING EXPERIENCE

- Assistant Professor (PBG)- SRSIAT- Six months

PUBLICATION

Research Articles

Articles published in journals with NAAS rating > 4.00

- Correlation studies for oil yield in F₃ generation of sunflower (*Helianthus annuus* L.)
- Genetic analysis of variability, heritability and genetic advance in F₃ populations of sunflower (*Helianthus annuus* L.)
- Genetic Studies on Correlation and Path Analysis in Dolichos Bean (*Lablab Purpureus* L.) Genotypes
- Genetic studies on variability for quantitative traits in finger millet (*Eleusine coracana* L. Gaertn.)
- Genetic Divergence Studies in Horse gram (*Macrotyloma uniflorum* Lam. Verdc) for Quantitative Traits using Mahalanobis D² Analysis
- Genetic studies on variability for quantitative traits in finger millet (*Eleusine coracana* L. Gaertn.)
- Elucidating combining ability, gene action and heterosis for yield and yield contributing traits in finger millet (*Eleusine coracana* L. Gaertn.)
- Genetic studies on diversity and variability in dolichos bean (*Lablab purpureus* L.)
- Principal component analysis of sorghum landraces for yield contributing traits
- Studies on Effect of Mutagens on Quantitative Characters in M₂ and M₃ Generation of Horsegram [*Macrotyloma uniflorum* (Lam.) Verdc]
- Early Identification of Salt-tolerant Genotypes in Finger Millet (*Eleusine coracana* L.) at Germination stage by Observing the Morphological Characters

AREAS OF EXCELLENCE

Data analysis- R Package, STAR, PB tools and TNAU STAT

Adept with Microsoft Office Suite - Microsoft Excel, Power point

Molecular analysis- RAPD, ISSR and SSR markers

CERTIFICATES

Workshops and Seminars

- Participated in Workshop held during 13 th to 15 th February, 2018 at TNAU, Coimbatore, on the topic of "Scientific writing skills".
- Participated in online workshop entitled "Molecular Docking" held during 12-13 April 2019.
- Participated in workshop entitled "Workshop on lab safety" held during 18.09.2019.
- Participated and presented poster in National Oilseeds seminar entitled "Technological Innovations in Oilseed crops for Enhanced Productivity, Profitability and Nutritional Security" held at IIOR, Rajendranagar, Hyderabad during 07.02.2020 to 08.02.2020.
- Participated in online webinar entitled "Plant-derived smoke compound as bio-stimulants and their application in crops" held during 9 May 2020.
- Participated in e- seminar entitled "Flow cytometry" held during 12.05.2020.
- Participated in webinar entitled "Next Generation Genomics and Integrated Breeding for Crop Improvement (VII-NGGIBCI) on Genomics for food, health and nutrition" held during 14.05.2020.
- Participated and presented poster in International Conference entitled "Future Challenges and Prospects in Plant Breeding" held at TNAU, during 06.07.2021 to 07.10.2021.
- Participated and presented poster in International Conference entitled "Harnessing the potential of finger millet for Achieving Food and Nutritional Security" held at UAS, Bangalore during 19.01.2022 to 22.01.2022.
- Participated in International Conference entitled "Biotechnology Trends and Future Prospects " held at UAS, Bangalore during 13.09.2022 to 15.09.2022.
- Participated in online webinar entitled "Recent Advances in breeding for Healthier Rice" held during 25.02.2023
- Participated in online webinar entitled "QuillBot: An Effective Writing Tool" held during 15.03.2023
- Participated in International Conference on "Innovative Approaches in Agriculture, Horticulture and Allied sciences" during 29.03.2023 to 31.03.2023.

Symposium

- Participated in National Symposium on "Cutting edge approaches for sustainable plant disease management and ensuring farmers' profit" held at ICAR-NRC BANANA, Tiruchirapalli during 21-23rd December 2018.

Training programme

- Participated in the training programme entitled "Statistical Designs and analysis for Plant Breeding Experiments using R Software" held during 20-22 March 2019 at Department of Physical Science and Information Technology & RI, TNAU, Coimbatore.

Popular articles

- Genetics and evolution of Distyly in plants
- Little Millet-A Dryland Drought Tolerant Millet
- Crop Micro-Rnas for Abiotic Stress Responses in plants
- Precision Plant Breeding in Rice using the Genome Editing Techniques-CRISPR/Cas9 and Base Editors
- Pre- Breeding A valuable approach for crop

Award

- Young Plant Breeder Award

Book Chapter

- Artificial Screening and Biochemical Studies for Identification of Powdery Mildew Resistant Sources in Sunflower

NET Qualification

- ASRB NET - 54.44%
- CSIR NET - 94.92 NTA Score