



Dr. J. Lydia Pramitha M.Sc. (Ag), Ph.D.,
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Academic Background

Degree	University	Year
Ph.D.	Tamil Nadu Agricultural University, Coimbatore	2020
M.Sc.	Tamil Nadu Agricultural University, Coimbatore	2015
B.Sc.	Tamil Nadu Agricultural University, Coimbatore	2013

Courses Taught

- Breeding and Seed Production of Flower and Ornamental Crops
- Breeding of Vegetables, Medicinal and Aromatic Crops
- Fundamentals of Genetics
- Experiential Learning Program Seed Production
- Fundamentals of Plant Breeding
- Crop Improvement-Rabi Crops
- Crop Improvement-Kharif Crops
- Rural Agricultural Work Experience

Research Interests

- Nutrigenomics
- Breeding for abiotic stresses
- Breeding for biotic stresses
- Plant Genetic Resource conservation

- Life Member, Indian Society of Plant Breeders (ISPB)
- Life Member, Indian Science Congress (ISC)
- Life Member, National Environmental Science Academy (NESA)
- Member, All India Agricultural Students Association (AIASA)

MOST RECENT PUBLICATIONS

- Pramitha, J. L., Rana, S., Aggarwal, P. R., Ravikesavan, R., Joel, A. J. and Muthamilarasan, M. (2020). Diverse role of phytic acid in plants and approaches to develop low-phytate grains to enhance bioavailability of micronutrients. *Advances in Genetics* In press.
- Pramitha, J. L., Jeeva, G., Ravikesavan, R., Joel, A. J., Vinothana, N. K., Meenakumari, B., ... and Rakshit, S. (2020). Environmental impact of phytic acid in Maize (*Zea mays*. L) genotypes for the identification of stable inbreds for low phytic acid. *Physiology and Molecular Biology of Plants*, 26(7), 1477-1488.
- Pramitha, L., Meenakumari. B and Kumar.M. (2020). Analysing combining ability in a set of hybrids developed in sesame (*Sesamum indicum*. L). *Journal of Pharmacognosy and Phytochemistry*, 9(1), 179-191.
- Vengilat, V. P., Joel, A. J., Pramitha, L., Ravikesavan, R and Firoz Hossain, M. R. (2019). Studies on correlation of the seed sphericity and seedling characteristics of maize (*Zea mays* L.) inbred lines. *Journal of Pharmacognosy and Phytochemistry*, 8(3), 3434-3437.
- Pramitha, J. L., Joel, A. J., Srinivas, S., Sreeja, R., Hossain, F and Ravikesavan, R. (2020). Enumerating the phytic acid content in maize germplasm and formulation of reference set to enhance the breeding for low phytic acid. *Physiology and Molecular Biology of Plants*, 26(2), 353-365.
- Pramitha, J. L., Jeeva, G., Joel, A. J., Ravikesavan, R and Hossain, F. (2019). Association of phytic acid towards the yield attributing traits in maize (*Zea Mays*. L). *Electronic Journal of Plant Breeding*, 10(3), 1019-1029.
- Pramitha, L., Joel, A. J., Sreeja, R., Srinivas, S and Ravikesavan, R. (2019). Comparative study of phytic acid estimation by enzymatic and indirect assays in maize germplasm (*Zea Mays*. L). *Electronic Journal of Plant Breeding*, 10(3), 1113-1121.
- Pramitha, J. L., Joel, A. J., George, J., Sreeja, R and Ravikesavan, R. (2019). Studies on genetic parameters and combining ability in maize for the production of hybrids with low phytic acid. *Electronic Journal of Plant Breeding*, 10(2), 419-429.
- Pramitha, J.L., Meenakumari, B., Kumar, M and Natarajan, N. (2018). Assessment of genetic diversity among identified testers aids in development of hybrids in sesame (*Sesamum indicum*. L). *Electronic Journal of Plant Breeding*, 9(2), 631-637.