

Faculty Profile

Dr. Maya P

Assistant Professor (on contract)

Department of Botany

Email: mayaanand27@gmail.com

Phone: 9495281157, 9544281157



Personal details

Nationality : Indian
Gender : Female
Marital status : Married
Permanent Address : Mekkattillam, Puthur, Ettukudukka (PO), Karivellur (Via),
Kannur, Kerala PIN: 670521

Educational qualifications

- **Post Graduate Diploma in Life Skills Education (PGDLSE), Central University of Kerala, Kasaragod, 2025**
- **Ph.D., Genomic Science, Central University of Kerala, Kasaragod, 2023**
- **CSIR-UGC JRF/NET AIR 7**
- **M.Sc. Botany, Govt. Brennen College, Thalassery, Kannur, 2013**
- **B.Sc. Botany, Payyanur College, Payyanur, Kannur, 2011**

Experience

- Assistant Professor on contract, DB Pampa College, Parumala (2026 July-present)
- Chief Minister's Nava Kerala Post-doctoral Fellow, Regional Agricultural Research Station (RARS Pilicode), Kerala Agricultural University (2023-2025)

Research interests

- Plant Science
- Plant Taxonomy
- Plant Genomics
- Plant Physiology
- Stress Biology
- Population Genetics

Research projects

- Post doctoral fellowship program: Molecular characterization of salinity tolerance mechanism in Kuthiru, Orkayama using their recombinant inbred lines for breeding enhanced salt tolerance in rice.
- PhD: Genome wide characterization and association mapping of Kerala rice landraces for yield-related traits
- M.Sc.: In vitro propagation of *Homalocladium platycladum* (F.J.Muell) L.H.Bailey”

Research publications

- **Peringottillam M**, Sundaram KT, Alagu M. Genetic Potential of Grain-related Traits in Rice Landraces: Phenomics And Multi-locus Association Analyses. Mol Bio Rep. 2023 Oct; 50(11):1-12.
- **Peringottillam M**, Kunhiraman Vasumathy S, Selvakumar HKK, Alagu M. Genetic diversity and population structure of rice (*Oryza sativa* L.) landraces from Kerala, India analyzed through genotyping-by-sequencing. Mol Genet Genomics. 2022 Jan;297(1):169-182.
- Vasumathy, S. K., **Peringottillam, M.**, Sundaram, K. T., Kumar, S. H. K., & Alagu, M. (2020). Genome-wide structural and functional variant discovery of rice landraces using genotyping by sequencing. Molecular Biology Reports, 47(10), 7391-7402.
- **Peringottillam M**, Alagu M (2024). Genetic diversity of crop plants of the Western Ghats, Biodiversity of the Western Ghats–Sri Lanka Hotspot, ISBN: 978-1-77491-255-3.
- Smitha Kunhiraman Vasumathy, **Maya Peringottillam**, Krishna T Sundaram, and Alagu Manickavelu (2021) Phenotypic and genotypic examination of orphan rice landraces, Plant genetic resource utilization: An appraisal, Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala, India, ISBN: 978-81-951912-4-6.

Seminars/Conferences/Poster presentations

- National Seminar on “Transforming Indian Education for a sustainable living system: Envisioning and Strategies”, organized by the School of Education, Central University of Kerala on 19th & 20th February, 2025.
- 37th Kerala Science Congress organized by KSCSTE at KAU, Vellanikkara, Thrissur during 07-10 February 2025.
- National Conference on Plant Physiology on “Frontiers in Cell to Whole Plant Physiology: Bridging Science and Sustainability” during December 17-19, 2024 at CPCRI, Kasaragod, Kerala.

- Workshop on ‘*Harnessing Plant Phenomics*’ at the National Conference on Plant Physiology on “Frontiers in Cell to Whole Plant Physiology: Bridging Science and Sustainability” during December 17-19, 2024 at CPCRI, Kasaragod, Kerala.
- One-week Short Term Training Program on “*Enhancing Research Impact: tools and techniques for effective publishing*” jointly organized by Sai Nath University, Jharkhand & RSP Science Hub, Coimbatore, Tamil Nadu from 09.09.2024-14.09.2024.
- DBT Skill Development Refresher Course for Faculties on “*Gas Chromatographic techniques in Aromatic Plants Research*” held at KSCSTE-JNTBGRI, Palode, Kerala from 22.08.2024 to 06.09.2024.
- Faculty Development Program on “*Genomics assisted crop improvement: Opportunities, challenges and future prospects*” organized by Faculty of Agriculture, Sri Sri University, Cuttack, Odisha from 18.07.2024-19.07.2024.
- International Symposium on Rice functional Genomics held at University of Agricultural Sciences (UAS), Bangalore, Karnataka from 03.11.2023 to 05.11.2023.
- Reflectia: 2023; Life Skills Researcher’s Meet organized by E-Sreedharan Centre for Life Skills Education (ESNCLSE), Central University of Kerala, Kasaragod, Kerala from 19.03.2023 to 20.03.2023.
- Training in *Tools and techniques in Biotechnology Part 1 Sanger sequencing and Gene expression* held at OmicsGen LifeSciences Pvt Ltd, KRIBS BIONEST, Kalamassery, Kerala from 06.08.2018 to 03.09.2018.

Professional Affiliations

- Kerala Academy of Sciences (KAS), Life member
- Indian Association for Angiosperm Taxonomy (IAAT)