

**MRINALI MANOHAR (MSc, PhD -  
PLANT SCIENCES)**

Female | 36 years | English, Hindi  
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## PROFESSIONAL SUMMARY

A high achieving individual with scientific acumen in Crop Science (Crop Production, Plant Breeding, Seed Production, Maintenance Breeding, Genomic Selection); Molecular Biology (MAS, Next Generation Sequencing, ELISA, PCR Assays, Computational Biology); Secondary Agriculture (Vertical Farming, Protected Agriculture; Garden/Nursery Management); Training, Skill Development & Capacity Building in agri & allied fields; R&D in Food and Nutrition Science (Nutrient Analysis using HPLC, FAAS, ); 5+ years of experience in R&D & Business Development in biofertilizer manufacturing; Agri-preneurship and Start-up consultation.

## WORK EXPERIENCE

Company	Generous Technologies Pvt. Ltd. (Feb 2016– Feb 2021)
Domain	Biofertilizer Manufacturing, Organic Agriculture
Work summary	<ol style="list-style-type: none"><li><b>R&amp;D and Business Development - Organic Agriculture</b><ul style="list-style-type: none"><li>Biofertilizer formulations, Business Development and Marketing funnel execution across Maharashtra (B2B2C)</li></ul></li><li><b>Senior Research Fellow (SRF) in ICAR - National Research Centre for Grapes, Pune</b><ul style="list-style-type: none"><li>Title – “Commercialization of agricultural technology &amp; value-added products.”</li><li>Intellectual Property management, prior art search, patenting and documentation</li><li>Go-to-market strategy for new grape varieties and value-added grape products (Wine, resins, juices)</li></ul></li><li><b>Senior Research Fellow (SRF) in Centre for Agricultural Technology Assessment and Transfer (CATAT)</b><ul style="list-style-type: none"><li>Title – “Strengthening extension education program for innovative models and techniques for higher productivity in agriculture”</li><li>Bio-Resource Mapping, Monitoring surveys</li><li>Technology transfer and social impact assessment</li><li>Training, Capacity building and Outreach programs for Self Help Group (SHG) women, farmers and small-scale entrepreneurs</li></ul></li><li><b>PG Dissertation</b><ul style="list-style-type: none"><li>Topic – “Development of Molecular IDs for Elite Indian Rice Varieties and Marker-Based Assessment of Seed Purity”</li><li>MAS, Molecular marker-based assay, ELISA/PCR assays, PAGE, Grow Out Test (GOT) based assay</li></ul></li><li><b>PhD Dissertation</b><ul style="list-style-type: none"><li>Topic – “Enhancing Zinc-Use Efficiency in mungbean [<i>Vigna radiata</i> (L.) Wilczek] through seed treatments.”</li><li>Pulse (mungbean) Seed Production</li><li>Seed Enhancement technology (Seed Priming &amp; Coating for bio-fortification)</li><li>Standardization and formation of Novel seed formulations (nano-polymers)</li><li>Mineral Nutrient Analysis through Flame Atomic Absorption Spectroscopy (FAAS)</li><li>Technical writing/Research Paper writing, Thesis writing and documentation</li><li>Statistical Analysis using ANOVA, SAS, SPSS, Microsoft Excel</li></ul></li></ol> <p>Publications a. Mrinali, M., Singh, K.K., Datta, S.P., Meena, M.C., Dikshit, H.S., Jacob, S.R., Mithra, A., Arun, M.B. (2022). Zn-seed Treatments to Enhance Seedling Vigour of Mungbean (<i>Vigna radiata</i> L.). <i>Biological Forum-An International Journal</i>, 14(3), 647-652</p>

b. Mrinali, M. (2022). Effect of Zinc-invigorations on Seed Longevity in Mungbean (*Vigna radiata* L. Wilczek). *Biological Forum-An International Journal*, 14(4a), 279-285

#### ACADEMIC QUALIFICATIONS

Degree	Year of Passing	Institute/University	%/CGPA
PhD	2022	Indian Agriculture Research Institute, New Delhi	PDC awaited
MSc	2014	College of Agriculture, ANGRAU, Rajendranagar, Hyd	80.05%
BSc	2007	College of Agriculture, Dr. P.D.K.V, Nagpur Campus	78%

#### PROFESSIONAL & PERSONAL SKILLS

- **Conduct Trainings, Capacity Building to target beneficiary** (women, youth and farmers)
- **Outreach and Engagement** Program Coordination
- **Social Impact Assessment, Social Risk Management, Public Policy Research**
- **Environmental Impact Assessment, Bio-Resource Mapping and Monitoring Surveys**
- Biotechnological techniques like **Biomolecular-Marker Based Assays, PCR technology, Atomic Absorption Spectroscopy (AAS)**
- Utilization of **Nanotechnology in agriculture (Nanopolymers)**
- R&D in Food Science and Nutrition (**Processing technology, Fermentation and Brewing, Bakery and Confectionery**)
- **NGO & FPO/FPC management**
- **Start-up consultancy** to agri & allied sector (seed, fishery, dairy, olericulture, floriculture, protected cultivation)
- **Self-motivated, Team management, Leadership**
- **Creative Writer**, Content creator, Critical thinking
- Certificate Course in **Dietetics & Nutrition Science** (Udemy)