

BIO-DATA



1. **Name** Dr. V. Mohan
2. **Educational Qualification** M.Sc., M.Phil., Ph.D., FMSI
3. **Designation** Scientist – G
4. **Core Specialization** Forest Pathology
(Mycology & Plant Pathology and Bio-fertilizers-Beneficial Microbes and Mycorrhizal fungi)
5. **On going Project**
 - Exploration of Potential Beneficial Microbes in different Forest and Agriculture Ecosystems in Kolli Hills, Tamil Nadu and Imparting Training cum Demonstration on Bio-fertilizer Production and Application in Nursery and Field – Externally Aided Project. Funded by Tamil Nadu State Planning Commission, Govt. of Tamil Nadu, Chennai-5. Budget outlay is Rs. 24.86 Lakhs. (As **Principal Investigator**).
 - Investigations on Casuarina mortality in different agro-climatic zones of Tamil Nadu and developing of suitable management measures including identification of tolerant materials – NFRP – ICFRE funded Project. Budget outlay is Rs.14.50 Lakhs. (As **Principal Investigator**).
6. **Completed Project**
 - ❖ Survey and evaluation of the diseases of important forest tree species. – NFRP – ICFRE Project (As **Principal Investigator**).
 - ❖ Evaluation, Selection and Application of Mycorrhizae and Root Nodule Microsymbionts (Bio-fertilizers) in Forest Tree Species. – NFRP – ICFRE Project (As **Principal Investigator**).
 - ❖ Selection of Disease Resistant Phenotypes of *Casuarina* spp. – World Bank aided FREE Project – ICFRE (As **Principal Investigator**).
 - ❖ Testing and evaluation of selected existing control methods for key diseases of *Casuarina* spp. with reference to blister bark and root-rot – NFRP –ICFRE Project – (As **Principal Investigator**).
 - ❖ Exploitation of Mycorrhizal Systems in the Nilgiri Biosphere Reserve Areas in India – MoEF Funded Project – (As **Principal Investigator**).
 - ❖ Screening and identification of potential isolates of Ectomycorrhizal fungi for increased productivity of Acacia, Casuarina and Eucalyptus tree species in nursery – NFRP –ICFRE Project – (As **Principal Investigator**).
 - ❖ Selection, evaluation and identification of efficient bio-inoculants for quality seedling production of selected fast growing native tree species – NFRP – ICFRE Project – (As **Principal Investigator**).
 - ❖ Influence of beneficial microbes in conferring salt tolerance to *Casuarina* clones – NFRP –ICFRE Project – (As **Principal Investigator**).
 - ❖ Exploitation and utilization of beneficial microflora from the sholas for restoration of degraded shola forests in the Nilgiri Hills, Tamil Nadu – Funded by HADP, Department of Planning and Development, Govt. of Tamil Nadu – (As **Principal Investigator**).
 - ❖ Assessment of disease problems of selected fast growing native tree species in

Tami Nadu – Funded by Tamil Nadu Forest Department, Govt. of Tamil Nadu, Chennai – (As **Principal Investigator**).

- ❖ Study on beneficial microbial interaction with trees in heavy metal contaminated sites in Tamil Nadu - Funded by Tamil Nadu Forest Department, Govt. of Tamil Nadu, Chennai – (As **Principal Investigator**).
- ❖ Training cum Demonstration on Bio-fertilizer Production and Application in Nursery and Field - (As PI of TNFD funded project (EAP)).
- ❖ Training cum Demonstration on Bio-fertilizer Production and Application in Nursery and Field - (As PI of TNFD funded project (EAP)).
- ❖ Evaluation of improved germplasm of *Eucalyptus camaldulensis* and *E. tereticornis* for productivity, wood traits, tolerance to insect pests and diseases and management for higher seed production – NFRP –ICFRE Project – (As **Co-PI**).
- ❖ Status and influence of microbial inoculants associated with *Eucalyptus* clones in established breeding populations – NFRP –ICFRE Project - (As **Co-PI**)
- ❖ Differential Analysis of Transcript Expression in *Casuarina – Trichosporium* interaction to isolate defense – related genes – DBT funded project - (As **Co-PI**)
- ❖ Impact of Continuous Moisture on Growth, Flowering, seed Production and Wood Characteristics of Canal Teak Plantations in Tamil Nadu – NFRP – ICFRE Project - (As **Co-PI**)
- ❖ Status and influence of microbial inoculants associated with *Eucalyptus* clones in established breeding populations – NFRP –ICFRE Project - (As **Co-PI**).
- ❖ Studies on oil: chemical composition, antifeedant, insecticidal and antifungal activities of tree borne oil seeds – NFRP –ICFRE Project - (As **Co-PI**)
- ❖ Studies on essential oils: chemical constituents and toxicity assessment of the leaf oil of *Lantana camara* from Tamil Nadu regions – NFRP –ICFRE Project - (As **Co-PI**).
- ❖ The study of biology and conservation of endemic plants of Kalakadu Mundanthurai Tiger Reserve, Tamil Nadu - (As Co-PI of ICFRE funded project).
- ❖ Tree rich bio-booster: A novel approach to synergise growth and pest management in fast growing industrially important tree species - (As Co-PI of ICFRE funded project).

7. Publication.

(a) Research Papers published in National Journals	: 55
(b) Research Papers published in International Journals	: 14
(c) Research Papers Published in Seminar/ Conference Proceedings	: 36
(d) Popular Articles Published	: 04
(e) Books/ Manuals Published	: 09
(f) Papers/ Articles contributed in Book Chapters	: 32
(g) Papers/ Articles Published in Training Manuals	: 27

8. MEMBER IN PROFESSIONAL SOCIETIES

- Mycological Society of India (MSI), Centre for Advanced Studies in Botany, University of Madras, Chennai, India.
- Mycorrhiza Network Asia, Tata Energy Research Institute, New Delhi, India
- Indian Science Congress Association, Calcutta, India.
- Member of Board of Studies in Botany (Academic), University of Madras, Chennai-600 005.
- Member of Board of Examiner to adjudicate Ph.D. Thesis in various Academic Universities such as Madras University, Chennai, Madurai Kamaraj University, Madurai, Manonmaniam Sundaranar University, Tirunelveli, Bharathidasan University, Trichi, Bharathiar University, Coimbatore, Tamil Nadu Agricultural University, Coimbatore, University of Agricultural Sciences, Dharwad, Karnataka, Mumbai University, Mumbai, J.N. Vyas University, Jodhpur, Rajasthan and FRI Deemed University, Dehra Dun.

9. Foreign visits

New Zealand, USA, Australia

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11. Address

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