

RESUME

Dr. K. MANIKANDAN. M.Sc. (Ag.), Ph.D., Plant Pathology
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ACADEMIC PROFILE

DEGREE / COURSE	INSTITUTE / SCHOOL	YEAR OF PASSING	PERCENTAGE / OGPA
Ph.D., (Agriculture) Plant Pathology	ICAR-Indian Agricultural Research Institute, New Delhi.	2023	7.95
National Eligibility Test	ICAR-ASRB	2018	60.01%
M.Sc., (Agriculture) Plant Pathology	Faculty of Agriculture, Annamalai University.	2018	9.26
B.Sc., (Agriculture)	Faculty of Agriculture, Annamalai University.	2016	7.98
HSC	Government Higher Secondary School, Thiruvarangulam.	2012	69.8%
SSLC	Government Higher Secondary School, Thiruvarangulam.	2010	85.6%

RESEARCH WORK

- **Characterization of Fusarium spp. and Vascular Wilt Resistance of Brinjal (*Solanum melongena* L.)** under the guidance of Dr. Shanmugam, Principal scientist, ICAR-IARI, New Delhi- 110012
- **“Evaluation of eco-friendly components against late leaf spot (*Phaeoisariopsis personata* Berk. and Curt.) and rust (*Puccinia arachidis* Speg.) diseases of groundnut”** under the guidance of Dr. John Christopher, Professor (Plant Pathology), Faculty of Agriculture, Annamalai University, Annamalai Nagar - 608 002.

AREA OF SPECIALISATION

- Fungal pathology, Bio-control, Molecular Host-pathogen interaction, Resistant breeding

AWARDS

- **Manikandan, K.**, Shanmugam, V. and Partha Saha. (2022). Selection of a highly pathogenic *Fusarium oxysporum* isolate and screening brinjal (*Solanum melongena* L.) germplasm accessions for vascular wilt resistance. **Best Poster Presentation Award** in the IPS 8th International Conference 2022 held at SKNAU, Jobner-Jaipur, Rajasthan, India during March 23-26, 2022
- **Manikandan, K.** (2024). Characterization of *Fusarium* spp. and Vascular Wilt Resistance of Brinjal (*Solanum melongena* L.). **Best Thesis Award** from **The Indian Society of Agriculture & Horticulture Research Development** in 6th international conference held at School of Agriculture (SOA), SR University, Warangal in association with Sri Konda Laxman Telangana State Horticultural University, Hyderabad & just agriculture education group, during March 04-06, 2024.

OTHER ACADEMIC CONTRIBUTIONS

1. List of International Seminar/Conference/Symposium attended: -

- Manikandan, K., Shanmugam, V. and Partha Saha. (2022). Selection of a highly pathogenic *Fusarium oxysporum* isolate and screening brinjal (*Solanum melongena* L.) germplasm accessions for vascular wilt resistance. “Indian Phytopathological Society 8th International Conference (Hybrid mode) Plant Pathology: Retrospect and Prospects” 23rd to 26th March, Sri Karan Narendra Agriculture University, Jobner-Jaipur, Rajasthan, India.

2. List of Training/Workshop attended: -

- NAHEP-sponsored training programme on Live Cell Imaging and its Applications jointly organized by ICAR-IARI (Discovery center), New Delhi and Biotron Healthcare Private Ltd, Mumbai on 19 May 2022 (Thursday).
- International training workshop on Plant Microbiomes: Theory and Application sponsored by World Bank-NAHEP-CAAST, IARI (Discover center), New Delhi.

EXPERIENCE

- Worked as Assistant Professor in Sethu Bhaskara Agricultural College & Research Foundation, Karaikudi, Tamil Nadu. From 18.02.2019 to 14.09.2019

PUBLICATIONS

- G. Pothiraj, V. Shanmugam, A. Tyagi, M. Haritha Mohan, **K. Manikandan**, Z. Huzsin, R. Aggarwal, A.K. Singh and S. Gopalakrishnan (2023). Physiological race characterisation of *Fusarium oxysporum* strains infecting tomato employing candidate pathogenicity genes and host resistance. World Journal of Microbiology and Biotechnology. 39:66. (NAAS Rating- 10.1)
- **K. Manikandan**, V. Shanmugam, V. Kavi Sidharthan, P. Saha, and M.S. Saharan (2024). Characterization of field isolates of *Fusarium* spp. from eggplant in India for species complexity and virulence. Microbial Pathogenesis. (NAAS Rating- 9.8)
- **K. Manikandan**, V. Shanmugam, P. Saha, J. K. Ranjan, Y. A. Lyngdoh, A. U. Solanke, S. Gopalakrishnan and M. S. Saharan (2024). Screening Selection and characterization of eggplant (*Solanum melongena* L.) germplasm for resistance/tolerance against *Fusarium oxysporum* f.sp. *melongenae*. Frontiers in Plant Science. Communicated (NAAS Rating- 12.63)
- **K. Manikandan**, P. Saha and V. Shanmugam (2023). *Fusarium equiseti* - a new pathogen on eggplant (*Solanum melongena* l.) causing vascular wilt disease in India. AMA, 54:(07). (NAAS Rating- 6.29)

MEMBERSHIP IN SCIENTIFIC COMMITTEE

- Life Member – **Indian Phytopathological Society**, New Delhi-110012.
- Life Member - **The Indian Society of Agriculture & Horticulture Research Development, India**

COMPUTER PROFICIENCY SKILLS

- Working knowledge of computers – Operating Systems, MS Office and Communication through Internet.
- Completed six months Diploma in Tally erp9 course.

DECLARATION

Hereby, I assure that the information furnished above is true.

Place : Thiruvarangulam

Date : 28.03.2024



(**K. MANIKANDAN**)

