

## Personal Information

Name: Dr Suryakant Manik

Designation: Scientist (Plant Pathology)

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## Academics

Dr Suryakant Manik, born and raised in Kendrapara, Odisha. He did his graduation with a B.Sc. (Agriculture) from the College of Agriculture, Odisha University of Agriculture and Technology (O.U.A.T.), Bhubaneswar, Odisha. He completed his Post-Graduation in Plant Pathology (M.Sc. Agriculture) with the ICAR-National Talent Scholarship Award (2017) from the Faculty of Agriculture, Bidhan Chandra Krishi Viswa Vidyalaya (BCKV), Mohanpur, West Bengal. He enrolled in his Ph. D. program, with the IARI Fellowship, in the Discipline of Plant Pathology (Plant Virology specialization) at ICAR- IARI, New Delhi in 2019, and completed his Ph.D. research work entitled “Effect of exogenously applied nano-conjugated dsRNA against groundnut bud necrosis virus infection in tomato”. He qualified ASRB-ARS Exam -2021 and joined as a scientist (Plant Pathology) in the ICAR-Indian Institute of Agricultural Biotechnology (IIAB) on 11th April 2023.

## Research

Areas: Identification and characterization of fungal pathogens and Management of groundnut bud necrosis virus by exogenous application dsRNAs as a biopesticide

## Publications

### Review Paper (01)

Samal, I., Bhoi, T.K., Majhi, P.K., Murmu, S., Pradhan, A.K., Kumar, D., Saini, V., Paschapur, A.U., Raj, M.N., **Manik, S.**, Behera, P.P., Mahanta, D.K., Komal, J., Alam, P. and Balawi, T.A. (2023). Combatting insects-mediated biotic stress through plant-associated endophytic entomopathogenic fungi in horticultural crops. *Front. Plant Sci.*, 13, p. 1098673

### Book Chapter (02)

Pattanayak, S., Das, S. and **Manik, S.** (2023). Defense Mechanism of Fig (*Ficus carica*) Against Biotic Stresses: An Advanced Role Model Under Moraceae. In *Fig (Ficus carica): Production, Processing, and Properties* (pp. 283-310). Cham: Springer International Publishing.

Acharya, L.K., **Manik, S.**, Khokhar, M.K. and Kumar, A., Kishor, N. and Birah, A. (2023). Major and emerging diseases of Cotton in India and their integrated management (pp. 476-489). Prakhar Goonj Publishing.

### Popular Articles (03)

**Manik, S.**, Acharya, L. K., Khokhar, M.K. and Birah, A. (2022). Antiviral Drugs: A Nascent Approach to Plant Viral Disease Management. *Just Agriculture Publishing*, 2 (12).

**Manik, S.** and Chakraborty, S. (2021). Phytomelatonin: A potential plant growth and stress regulator in plants. Agrobios Newsletter Publishing, 12 (11), pp. 87-88.

Chakraborty, S., **Manik, S.**, Samanta, S. and Barman, M. (2021). Protein secretion system in plant pathogenic bacteria. Agrobios Newsletter Publishing, 12 (09), pp. 93-94.

Book (01)

Majhi P.K. and **Manik S.** (2022). 'Objective Plant Science: A competitive Approach'. Astral Publication