Curriculum Vitae

Dr. Shreenath Y S
Specialization: Plant Pathology
Scientist-B, Farm Management and Agroforestry,
Central Tasar Research and Training Institute,
Piska Nagari, Ranchi-835303
8861828260
shreeiari4@gmail.com

ACADEMIC PROFILE

Examination passed	Board/University	Year Of Passing	Percentage of marks (Division)
Madhyamik (X Standard)	Karnataka secondary education Examination Board	2010	78.72 (FIRST)
Higher Secondary (XII Standard)	Dept of Pre University Education	2012	80.16 (FIRST)
B. Sc. Agriculture	UAS, Bengaluru	2016	86.10 (FIRST)
MSc Agri in Plant Pathology	IARI, New Delhi	2018	83.33 (FIRST)
PhD in Plant Pathology	IARI, New Delhi	2022	80.03 (Distinction)

WORK OF EXPERIENCE

Well experienced in plant phytoplasma and virology. Identification, molecular characterization of different phytoplasma and viral diseases and LAMP assay. Specific works of experience include

1. Disease survey, identification different disease symptoms and record of disease incidence.
2. ELISA, Isolation of DNA/ RNA for molecular works
3. PCR/RT-PCR, Cloning and sequence analysis
4. Design and development of LAMP protocol for field based diagnosis.

AREA OF INTEREST

- Plant viral and phytoplasmal disease diagnosis
- Biocontrol screening for fungal disease control. Microbial technologies for tasar host plant improvement
- Disease epidemiology and management of diseases through IDM

Award/ Honors/ Fellowship

- ICAR-JRF, 2016-17: Rank-12 in Plant Sciences
- ICAR-IARI 2018-19: Rank-03 in Plant Pathology
- ICAR-SRF 2022-23: Rank-17 in Plant Pathology
- ASRB-NET in Plant Pathology qualified (2018, 2023)
- Best Poster Presentation (2017) at Indian Virological Society International Conference, Mangalore
- Best Poster Presentation (2022) at Indian Phytopatholgical Society National Conference, New Delhi
- Best Popular article of the year in the Agriculture & Food: E- News Letter (2022)

Publications

Journal Articles:

Shreenath, Y. S., Saritha, R. K., Basavaraj, Y. B., Pant, R. P., Sagar, D., Arya, M., ... & Rao, G. P. (2020). Evidence for the association of mastrevirus, cucumovirus and phytoplasma with chickpea stunt disease and their putative insect vectors in India. *European Journal of Plant Pathology*, *157*, 719-731. Impact Factor (2023): 1.90

Shreenath, Y. S., Nabi, S. U., Madhu, G. S., Kumawat, K. L., & Rao, G. P. (2022). Identification and multilocus gene characterization of phytoplasmas associated with sweet cherry in India. *3 Biotech*, *12*(11), 291. Impact Factor (2023): 2.9

Shreenath, Y. S., Singh, A. K., Kumar, P. V. D., Watpade, S., Singh, K. P., & Rao, G. P. (2022). Characterization and distribution of phytoplasma strains associated with temperate stone fruits and their possible natural reservoirs in the north-western Himalayan states of India. *European Journal of Plant Pathology*, *164*(1), 93-108. Impact Factor (2023): 1.9

Shreenath, Y. S., Sunani, S. K., Rao, G. P., & Dickinson, M. (2022). Development of loop-mediated isothermal amplification (LAMP) assay for the detection of clover proliferation phytoplasma-associated with sweet cherry witches' broom disease. *Australasian Plant Pathology*, *51*(4), 467-474. Impact Factor (2023): 1.4

Shreenath, Y. S., Bahadur, A., Ranebennur, H., & Rao, G. P. (2021). Characterization of 'Candidatus Phytoplasma asteris'-related strain association with leaf yellowing of Wrightia antidysenterica (Arctic Snow) in Tripura, India. *Australasian plant disease notes*, *16*(1), 13. Impact Factor (2023): 0.8

Tiwari, N. N., Jain, R. K., Shreenath, Y. S., & Tiwari, A. K. (2022). Spilanthes acmella: A Natural Weed Reservoir of Sugarcane Leaf Yellows Phytoplasma Strain (16SrI-B) in Eastern Uttar Pradesh, India. *Sugar Tech*, *24*(5), 1612-1616. Impact Factor (2023): 1.8

Kumar, P. V. D., Rao, G. P., Sathyanarayanappa, S. Y., Baranwal, V. K., Sureja, A. K., & Pant, R. P. (2021). 'Candidatus Phytoplasma australasia'association with phyllody andpurpling diseases of

carrot in India. *Phytopathogenic Mollicutes*, *11*(2), 131-139.

Rihne, T., Kumar, M., Shreenath, Y. S., Pant, R. P., Taloh, A., Swaroop, K., & Rao, G. P. (2019). Mixed infection of virus and phytoplasma in gladiolus varieties in India. *Phytopathogenic Mollicutes*, *9*(1), 149-150.

Ranebennur, H., Rao, G. P., Chalam, V. C., Rawat, K., & Shreenath, Y. S. (2023). Mixed infection of phytoplasmas and potyvirus in Phlox drummondii in India. *Phytopathogenic Mollicutes*, *13*(1), 87-88.

Book chapter:

Prasad Niranjan, H.P., S, Ramappa., Shreenath, Y. S. and Prashanth, S. T (2022). Climate change on quality seed production: Challenges and strategies. Prof. Saket Kushwaha and Dr. Virendra Kamalvanshi, "Climate Change and Agriculture (Volume - 7), AkiNik Publications.

Popular Articles

Shreenath, Y., S (December 2022). Role of Wall Associated Kinases in Disease Resistance. Agriculture & Food: E- News Letter, www.agrifoodmagzine.co.in. 4 (12):230-232.

Shreenath, Y., S, Prasad Niranjan, H. P (December 2022). Climate Change: Boon for Emerging Plant Diseases. Agriculture & Food: E- News Letter, www.agrifoodmagzine.co.in. 4 (12):233-235.

Extra-Curricular achievements: Team Game/Sport/NCC/mountaineering etc.

1. Participated in the 5000mts, 400mts relay, Kamsale folk Dance, skit and mime in All India Inter-Agri University sports and cultural meet respectively in the year 2017-18 (Participated in Nationals)
2. First prize in Dollu kunitha & Patriotic group song in intra university meet 2014-15 & 2015-16 respectively.