



BRIEF PROFILE

Name of the Scientist	Dr. Mahesha, H.S.
Designation	Scientist
Date of birth	05 th May 1991
Date of joining in ICAR	02 nd July 2018
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Educational Qualification	Ph. D. (Plant Pathology)
Discipline	Plant Pathology
Service particulars	- Scientist (From- 02-07-2018 to 01-07-2022 (ICAR-IGFRI, Jhansi) - Scientist (Senior Scale) (From-02-07-2022 to till date)
Areas of expertise for consultancy purpose (Three points)	- Resistance breeding - Disease management - Molecular characterization of Plant Pathogens
Research Publications (Best 10 papers published in scientific journals with NAAS rating)	Mahesha, H.S., Keerthi, M.C., Manjunatha, N., Singh, T., Vinaykumar, H.D., Bhargavi, H.A., Ahmed, S. and Yadav, V.K., 2021. First report of <i>Sclerotium rolfsii</i> causing collar rot on Berseem (<i>Trifolium alexandrinum</i>) in India. Plant Disease, 105(4): 1208. (NAAS rating – 10.50) - Keerthi, M.C., Sravika, A., Mahesha, H.S., Ankita Gupta, Bhargavi, H.A. and Shahid Ahmed., 2020. Performance of the native predatory bug, <i>Eocanthecona furcellata</i> (Wolff) (Hemiptera: Pentatomidae), on the fall armyworm, <i>Spodoptera frugiperda</i> (JE Smith) (Lepidoptera: Noctuidae), and its limitation under field condition." Egyptian Journal of Biological Pest Control", 30:1-4. (NAAS rating – 8.40) Mahesha, H.S., Vinay, J.U., Ravikumar, M.R., Visweswarashastry, S., Keerthi, M.C., Halli, H.M., Shokralla, S., El-Abedin, T.K.Z., Mahmoud, E.A. and Elansary, H.O., 2021. Colloidal silver hydrogen peroxide: new generation molecule for management of phytopathogens. Horticulturae, 7(12): 573. (NAAS rating – 9.10) - Sharath Chandran, U.S., Tarafdar, A., Mahesha, H.S. and Sharma, M., 2021. Temperature and soil moisture stress modulates the host defence response in chickpea during dry root rot incidence. Frontiers in Plant Science, 12: 932. (NAAS rating – 11.60)

	5. Keerthi, M.C., Mahesha, H.S., Manjunatha, N., Ankita Gupta, Ravi Prakash Saini, Shivakumara, K.T., Bhargavi, H. A., Gaurendra Gupta, and Kulkarni, N.S., 2021. Biology and oviposition preference of fall armyworm, <i>Spodoptera frugiperda</i> (JE Smith) (Lepidoptera: Noctuidae) on fodder crops and its natural enemies from Central India." International Journal of Pest Management, 1-10. (NAAS rating – 7.50) 6. Mahesha, H.S., Keerthi, M.C., Manjunatha, N., Vinaykumar, H.D., Singh, T., Bhargavi, H.A., Saini, R.P., Ahmed, S. and Yadav, V.K., 2021. Occurrence of collar rot on berseem (<i>Trifolium alexandrinum</i> L.) caused by <i>Sclerotium rolfsii</i> and its molecular characterization in India. Archives of Phytopathology and Plant Protection, 1-9. (Impact factor-0.73). 7. Ramesh, G.V., Palanna, K.B., Vinaykumar, H.D., Arunkumar, Koti, P.S., Mahesha, H.S., Nagaraja, T.E., Tonapi, V.A. and Jeevan, B., 2021. Occurrence and characterization of <i>Bipolaris setariae</i> associated with leaf blight of browntop millet (<i>Brachiaria ramosa</i>) in India. Journal of Phytopathology, 169(10): 613-622. (NAAS rating – 7.50) 8. Mahesha, H.S., Keerthi, M.C., Ravi Prakash Saini, Manjunatha, N., Manjunatha, L., Shivakumar, K.V., Gurivi Reddy, M., Sridhar, K. and Yadav, V.K., 2022. <i>Candidatus</i> Phytoplasma Australasia Associated with Alfalfa Witches' Broom: Symptomatology, Quantitative Loss, Qualitative Loss and Molecular Characterization." Legume Research-An International Journal 1: 7. (NAAS rating – 6.80) 9. Choudhary, B.B., Sharma, P., Choudhary, M., Kumar, S., Dwivedi, R.P., Mahesha, H.S., Singh, S.K. and Dubey, S.K., 2022. Does adoption of improved agricultural practices reduce production costs? Empirical evidence from Bundelkhand region, Uttar Pradesh, India. Current Science, 123(10): 1232. (NAAS rating – 7.00) 10. Keerthi, M.C., Suroshe, S.S., Sagar, D., Shivakumara, K.T., Mahesha, H.S., Rana, V.S., Gupta, A., Murukesan, A., Casini, R., Elansary, H.O. and Shakil, N.A., 2023. Bio-Intensive Tactics for the Management of Invasive Fall Armyworm for Organic Maize Production. Plants, 12(3): 685. (NAAS rating – 10.50)
Awards/ Honours/ Recognitions	• Best oral presentation award during international conference held at ICAR-IGFRI, Jhansi during November, 1-3, 2023 • Best team award for berseem improvement during ICAR-IGFRI foundation day • Technology Innovation award for the development and identification of Berseem variety JHB-20-1 (BB-9)