

Name	**:**	**Dr. Timmanna**
Qualification	**:**	**M.Sc. (Agri.), Ph.D.**
Designation	**:**	**Senior Scientist and Head**
Date of joining	**:**	**01.01.2014 to 09-03-2014 ICAR-NAARM Hyderabad**
		10.03.2014 to 20.03.2023 ICAR-IARI New Delhi
		21.03.2023 to 22.05.2025 ICAR CRIDA, Hyderabad
		22.05.2025 to till date
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Research Interest/Specialization	Insect toxicology, thrips taxonomy, IPM, Climate Change and pest modelling, Insect vector-virus interactions
Top publications in the past 5 years	1. M. Srinivasa Rao, T.V. Prasad, D.L.A. Gayatri, C.A. Rama Rao, K. Srinivas, G. Pratibha, **Timmanna**, M. Prabhakar, 2025. Impact of intercropping and low-external input integrated pest management on *Spodoptera frugiperda* (J. E. Smith) in maize. https://doi.org/10.1016/j.fcr.2025.109868 (NAAS 11.60) 2. Shravani Sanyal, AVM Subba Rao, H. **Timmanna***, B Gundappa, S.K. Bal, M A Sarath Chandran, P R Shashank, VK Singh, PK Ghosh. 2024. The global invasion risk of rice yellow stem borer *Scirpophaga incertulas* Walker (Lepidoptera: Crambidae) under current and future climate scenarios (PLoS One https://doi.org/10.1371/journal.pone.0310234. 3. **Timmanna** H, Baradevanal G, Surpur S, Raghavendra D, Doddachowdappa S, R. Shashank P, Kereyagalahalli Mallaiah K, Bedar J 2022. Diagnosis and potential invasion risk of *Thrips parvispinus* under current and future climate change scenarios. https://doi.org/10.7717/peerj.13868 4. **Timmanna**, Ganapati Mukri, Rajna S, Jamuna B, Najam Akhtar Shakil, 2024. Efficacy of insecticides against Fall Armyworm, *Spodoptera frugiperda* in maize. Pesticide Research Journal. 5. **Timmanna**, H., Prashantha, C., Shashank, P. R., Nigam, V. D., & Birla, N. (2023). Occurrence and spread of invasive thrips, *Thrips parvispinus* (Karny) in North India. Indian Journal of Entomology, 85(1), 160–163. https://doi.org/10.55446/IJE.2022.987. 6. Chakravorty, S., **Timmanna***, Muralikrishnan, L., & Rana, R. (2023). Pest Management Modules for Basmati Rice and Farmer's Perception. Indian Journal of Entomology, 85(2), 303–307. https://doi.org/10.55446/IJE.2022.795. 7. **Timmanna HN*,** Naresh M. Meshram, N. S. Chandra Bose Raju, P.R. Shashank, and B. Jamuna . 2021. Diagnosis and morphometrics of sugarcane thrips, *Fulmekiola serrata* (Kobus, 1892) (Thysanoptera:Thripidae) (Sugar Tech https://Doi.org/10.1007/s12355-021-01009-y . 8. B Jamuna, M Bheemanna, **H N Timmanna*,** Arunkumar Hosmani and Kandapal Kavita 2021. Morphological and biochemical resistance traits of tomato cultivars against thrips and bud necrosis virus disease. International Journal of Tropical Insect Science. https://doi.org/10.1007/s42690-021-00480-0.
Awards & Recognitions	1. Young Scientist Award – 2021 by NESA Academy, New Delhi 2. Best poster award for poster presentation in Sixth International Conference on "Plant, Pathogens and People" with the theme "Challenges in Plant Pathology to benefit Humankind", February 23-27, 2016 at NASC Complex, New Delhi, India 3. Best Hindi Research Article Award-2023 by ICAR-IARI, New Delhi