



Dr. M.S. Sai Reddy
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EDUCATIONAL QUALIFICATIONS

- **B. Sc. (Ag.):** College of Agriculture, ANGRAU, Bapatla
- **M.Sc. (Ag) (Entomology and Agricultural Zoology):** Institute of Agricultural Sciences, Banaras Hindu University, Varanasi
- **Ph.D. (Entomology):** G. B. Pant University of Agril. & Technology, Pantnagar

PROFESSIONAL AREA

- **Research Area:** Molecular Entomology, Wheat Entomology
- **Research Interests:** Molecular interventions in Insect pest management
- **Memberships/Fellow of Societies:** Membership of Entomological Society of India, New Delhi

PUBLICATIONS

- **Research articles / Review articles /Short Communication: 21**
- **Books : 03**
- **Book Chapter: 04**
- **Popular articles: 20**

KEY PUBLICATIONS:

- Reddy, M.S.S., Agnihotri, M., Jaiswal, J.P., Subbanna, A.R.N.S., and Karthik, S. 2022. Intra species diversity of *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) in relation to geography and host plants affiliation in Uttarakhand Himalayan population, India. *Phytoparasitica*. <https://doi.org/10.1007/s12600-021-00972-2>.
- Reddy, M.S.S., Agnihotri, M., Divija, S.D., Babita, B., and Karthik, S. 2022 Host plant resistance profiling of chickpea genotypes against *Helicoverpa armigera* (Hübner) through SEM and GC-MS studies. *Int J Trop Insect Sci*. <https://doi.org/10.1007/s42690-021-00684-4>.
- Reddy, M.S.S., Agnihotri, M., Divija, S.D., Babita, B., and Karthik, S. 2021. Gas Chromatography-Mass Spectrometry (GC-MS) based Metabolomics of Promising Chickpea Genotypes against *Callosobruchus chinensis* (L.). *Legume Research*. 11(44), pp. 1371-1378. DOI: 10.18805/LR-4648.
- Divija, S.D., Agnihotri, M. and Reddy, M.S.S. 2021. Morphological and Chemical Components of Resistance to Pod Borer, *Helicoverpa armigera* (Hübner) in Chickpea Germplasm. *Legume Research* DOI: 10.18805/LR-4675.
- Reddy, M.S.S, Sathua, S.K., Sulagitti, A. and Singh, N.N., 2018. Bio-efficacy of different novel insecticides and their interaction between numbers of sprays against diamondback moth (*Plutella xylostella* L.) infesting cabbage. *Journal of Entomological Research*. 42(1): pp. 51-56.
- Srivastava, R.M., Reddy, M.S., Singh, R.P. and Srivastava, P., 2018. Report of invasive pest *Tuta absoluta* (Meyrick) from Tarai area of North Western Himalayan region (Uttarakhand). *Indian Journal of Entomology*, 80(4), pp.1719-1722.
- Reddy, M.S.S, Singh, N.N. and Mishra, V.K. 2017. Efficacy of insecticides against *Spodoptera litura* infesting Cabbage. *Annals of Plant Protection Sciences*. 25(1): pp. 215-216.
- Karthik, S., Reddy, M.S.S., and Yashaswini, G. (2021). Climate Change and Its Potential Impacts on Insect-Plant Interactions. *IntechOpen*, DOI: 10.5772/intechopen.98203.
- Reddy, M.S.S., Karthik, S., and Yashaswini, G. (2020) Advances in Genomics of Invasive Insect Pests of India, Latest Trends in Agricultural Entomology (Volume - 1) Eds Singh K. DOI: 10.22271/int.book.20.
- Reddy, M.S.S., Jha, R.K., Srivastava, R.C. and Kumar, M. (2021). *Birds of Pusa: Publication Division, RPCAU, Pusa, Samastipur, Bihar*, pp.124.
- Rai, A.K. Kumar, R., Reddy, M.S.S., Kumar, N., 2021. *Insect Ecology Concepts*. New Delhi Publishers, New Delhi. pp.184.