

Dr. Hanamant Gadad

Scientist-C

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Email: hsgadad@gmail.com**1. Academic Qualification (From Graduation):**

Degree	Year	University/ Board	School/College	Marks (%)
B. Sc. (Agri.)	2007-20011	University of Agricultural Sciences, Dharwad	College of Agriculture, Dharwad	78.00
M. Sc. (Agri.)	20011-2013	University of Agricultural Sciences, Dharwad	College of Agriculture, Dharwad	87.80
Ph.D (Agri. Entomology)	2013-2016	University of Agricultural Sciences, Dharwad	College of Agriculture, Dharwad	90.60

2. Work Experience:

- ✓ Worked as a 'Senior Research Fellow' at ICAR-Indian Institute of Horticulture Research, Hesaraghatta, Bangalore from 10.08.2016 to 25.10.2018
- ✓ Worked as 'Scientist-B' from 01.11.2018 to 30.06.2022 at CTR&TI, Ranchi
- ✓ Working as Scientist-C from 01.07.2022-Present

3. Area of Interest:

- ✓ Silkworm and Host plant pest management
- ✓ Insect chemical ecology
- ✓ Silkworm eco-race conservation

4. Research Experience (Projects handled as PI):

As a Principle Investigator (PI):

1. Management of important pests of tasar silkworm *Antheraea mylitta* (D) through botanical repellents
2. Species diversity, assessment of potential loss and management of predatory wasps in tasar ecosystem

5. Publications:

A. Research Papers:10

- I. H. Gadad, A. Bhagat, A.H. Naqvi and S. Kutala. 2022 Host instar susceptibility and stage specific predatory potential of stink bug *Eocanthecona furcellata* on tasar silkworm *Antheraea mylitta*. Journal of Environmental Biology. 43(5):702-708.
- II. Hanamant Gadad, A. H. Naqvi, Vishal Mittal, Jitendra Singh and Susmita Das. 2021 Biology and Damage Pattern of Hairy Caterpillar *Selepa celtis* Moore (Lepidoptera: Nolidae) on *Terminalia arjuna* Int. J. Curr. Microbiol. App. Sci 10(01): 25-31.
- III. Hanamant Gadad, A. H. Naqvi, Asha Kachhap, Vishal Mittal, Jitendra Singh and Susmita Das 2021. Impact of seasonal adult emergence period on reproductive performance of tasar silkworm *Antheraea mylitta* Drury (Lepidoptera: Saturniidae). Entomon 46(2): 135-142.
- IV. Kamala Jayanthi Pagadala Damodaram, Hanamant Shivalingappa Gadad, Saravanakumarpale Pally, Sridhar Vaddi, Laxman Ramanna Hunashikatti and Ravindra Mohan Bhat 2021. Low moisture stress influences plant volatile emissions affecting herbivore interactions in tomato, *Solanum lycopersicum*. Ecological Entomology. 46(03) 637-650.
- V. Hanamant Gadad, Vishal Mittal, Jitendra Singh, AH Naqvi, Susmita Das and ZMS Khan 2020. Monitoring of seasonal flight activity of *Trioza fletcheri* Minor through yellow sticky traps at different spacing in *Terminalia arjuna*. (Roxb.) Wight & Arn. Plantation. Journal of Entomology and Zoology Studies 2020; 8(3): 1058-1062
- VI. Mahadeva Swamy Hanchi pura Mallesh, Ramasamy Asokan, Hanamant Gadad, Samuel Duleep Kumar, Rajiv Kumar & Tejaswini Prakash. 2020 DNA barcoding and phylogenetic analysis of leafhoppers associated with Aster Yellow disease on China aster, Marigold and Chrysanthemum, Mitochondrial DNA Part A, DOI: 10.1080/24701394.2020.1735378
- VII. Bommireddy Thirupam Reddy, Mohammed Muzeruddin Baig, Datta Madan Bawaskar and Hanamant Gadad 2020 Avian Pests of Tasar Silkworm, *Antheraea mylitta* (Drury) (Saturniidae : Lepidoptera) From India. Journal of Experimental Zoology. India. 23(2) 1079-1084.
- VIII. Hanamant Gadad., A. S., Vastrad and Krishnaraj P. U., 2016, Gut bacterial influence on susceptibility of lepidopteran pests to *Bacillus thuringiensis* subsp. Kurstaki. International Journal of Environment, Agriculture and Biotechnology. 1(3): 581-585
- IX. Hanamant Gadad., A. S., Vastrad and Krishnaraj P. U., 2017, Diversity of Gut Bacteria in *Spodoptera litura* (F) and *Helicoverpa armigera* (Hubn) Larvae. Annual Research & Review in Biology 12(1): 1-11.
- X. Hanamant Gadad., A. S., Vastrad and Krishnaraj P. U., 2017, Host induced variability in the toxicity of insecticides against *Spodoptera litura* and *Helicoverpa armigera*. Bioinfolet 14(1): 97-99.

B. Book Chapter: 03

1. जितेन्द्र सिंह, सुस्मिता दास, हनुमंत गडाद, इम्रमैअल गिल्वाक्स प्रभु, निरंजन कुमार, मंजप्पा, विशाल मित्तल, हरेन्द्र यादव, टी. पांडियाराज, कमल किशोर बडोला, बाब सोना मंडल, एवं चन्द्र मौलि बाजपेयी 2021. तसर कीटपालन पर जलवाय परिवर्तन का प्रभाव तथा इससे बचाव हेतु अनुकूल रणनीतियाँ. 'राजभाषा जोहार':35-40.
2. Jitendra Singh, Vishal Mittal, Hanamant Gadad, G.P Singh, B. Surendranath and Alok Sahay 2020: Tasar Silkworm Pest Management. In Recent Advances in Tasar Sericulture.
3. Vishal Mittal, Jitendra Singh, Hanamant Gadad, Harendra Yadav, G.P. Singh and Alok Sahay 2020: Tasar Silkworm Host Plant Pest Management. In Recent Advances in Tasar Sericulture.

C. Popular Articles:05

1. Hanamant Gadad, Manju K. P, Poornima M Holeyannavar and Divya K. K, 2016, Recent advances in mass multiplication of predatory insects. AgroBios Newsletter 14(8): 69-70.
2. Hanamant Gadad, Manju K. P, Poornima M Holeyannavar and Divya K. K, 2016, Molecular basis of insect metamorphosis. AgroBios Newsletter 14(8): 71-72.
3. Hanamant Gadad, Manju K. P, Poornima M Holeyannavar and Divya K. K, 2016, Molecular approaches to study the diversity of insect gut microflora. AgroBios Newsletter 14(12): 107-108.
4. Hanamant Gadad, Manju K. P, Poornima M Holeyannavar and Divya K. K, 2016, Plant Defense Responses to Herbivore Insects. AgroBios Newsletter 15(1): 113-114.
5. Hanamant Gadad, Manju K. P, Poornima M Holeyannavar and Divya K. K, 2015, Beekeeping products and their commercial importance. AgroBios Newsletter 13(12): 140-141.

6. International/ National Seminar/ Symposium Participated

International

- 1) International Symposium on "Plant Biotechnology towards Improving Agri-Food Industry and Healthcare Products"-2021
- 2) International Web-Conference on "Food Security through Sustainable Agriculture (FSSA)"-2020
- 3) The 26th International Sericultural Commission Congress-2022

National

1. IDP-NAHEP sponsored National Webinar on "Promise of Biological Control for Sustainable Pest Management"-2021
2. National Seminar on 'Climate Smart Sericulture - 2022: Approaches for sustainable sericulture
3. National symposium on Vanya sericulture: opportunities galore-2022

7. Training programmes attended

- a. Foundation training for CSB young Scientists from 01-11-2018 to 31.12.2018 at C.O, Bangalore, CTR&TI, Ranchi MSSO, Guwahati, CSR&TI, Mysore and CSTRl, Bangalore, organized by Central Office, CSB, Bengaluru.
- b. Hybrid-workshop on 'Socio-economic assessment of Sericulture Technologies' from 20- 23rd December, 2021 organized by Central Office, CSB, Bengaluru.
- c. Hands-on training programme on Statistics and its application in Tasar culture from 05th to 07th January, 2022 organized by CTR&TI, CSB, Ranchi.
- d. Online Training Programme on 'Extension Management Approaches for Management of Sericulture Industries' from 10th November, 2020 to 13th November, 2020 organized by MANAGE, Hyderabad, India.
- e. Demonstrative Hands-on Training programme of mobile app developed for geo-tagging of CSB infrastructure on 8th Dec 2022 organised by BTSSO, Bilaspur.

8. Membership of Institutions

- Member of Association for Advancement of Entomology, Kerala Agricultural University, Vellayani PO, Thiruvananthapuram 695522, Kerala, India