CURRICULUM VITAE

DHANAPATI GOKUL KRISHNA

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EDUCATION

Ph.D. Entomology **Jan 16, 2025 – Present**
Department of Agricultural Science and Plant Protection
Mississippi State University, USA

M.Sc. (Ag) in Entomology **2020 – 2022**
Uttar Banga Krishi Vishwavidyalaya, West Bengal, India

CGPA: **8.36/10** (First class Division Degree) equivalent to **83.6%**

B.Sc. in Agriculture **2016 – 2020**
Centurion University of Technology and Management, Paralakhemundi, Odisha, India
CGPA: **8.91**(Distinction Holder) equivalent to **89.1%**

WORK EXPERIENCE

Graduate Research Assistant **January 2025 – Present**
Principal Investigator: Dr. Esmaeil Amiri
Mississippi State University

Research project aims to explore the genetic and environmental factors influencing viral dynamics and develop strategies to select colonies that are resistant to viral infections.

Project Fellow **January 2023 – December 2024**
Principal Investigator: Dr. Prahlad Sarkar
Uttar Banga Krishi Vishwavidyalaya, West Bengal

Project: FMC Private Limited funded project titled "Evaluation of insecticide against different insect pests of black gram, green gram, red gram, and tomato under field conditions."

Nematology Laboratory Experience:

Nematode Surveying, Nematode Extraction, Nematode Identification, Host Differential Testing, Nematode Resistance Screening and Providing Training for Farmers on Nematode Management.

M.Sc. RESEARCH WORK

Worked under Prof. Suprakash Pal on a thesis entitled "Studies on Some Common Coccinellids with Special Reference to Morpho-taxonomy and Bioecology of *Micraspis spp*."

My research objectives included studying the biodiversity of coccinellids, analyzing the genitalia structures and polymorphism of common coccinellids, and investigating the seasonality of *Micraspis* spp. in rice-based cropping systems.

B.Sc. PROFESSIONAL EXPERIENCE

APIARY UNIT **December 2019 – May 2020**
Agricultural Experiential Learning Programme (AELP)

Gained hands-on experience in beekeeping unit management.

INTERNSHIP **June 2019 – November 2019**
International Crops Research Institute for the Semi-Arid Tropics **(ICRISAT)**, Hyderabad.

Conducted screening of a pearl millet diversity panel for water use and growth-related traits under water-stressed conditions using lysimeter field techniques under the supervision of Dr. Tharanya Murgesan.

PUBLICATIONS

1. **Dhanapati, G. K**., Karjee, M., & Sarkar, P. (2024). Bio-efficacy of Different Formulations of Chlorantraniliprole 0.53%+ Fipronil 0.8% GR Against Yellow Stem Borer of Rice. *International Journal of Bio-resource and Stress Management, 15*(3), 01-07.
2. **Dhanapati, G. K.**, & Pal, S. (2022). Seasonality of predaceous Ladybird beetles *Micraspis* spp. (Coccinellidae: Coleoptera) in Rice-based Cropping Systems of Terai Region of West Bengal. *Journal of Agriculture and Technology, 9*(1&2), 88-94.
3. Saha, S., Keerthana, B., Sarkar, S., Karjee, M., **Dhanapati, G. K***., Sahoo, S. K., & Pal, S. (2023). An Annotated Checklist of Coccinellidae (Coleoptera) from Pundibari Region of West Bengal, India. *Uttar Pradesh Journal of Zoology, 44*(24), 14-27.
4. Sarkar, P., Modak, M., Karjee, M., & **Dhanapati, G. K.** (2023). Race composition of root knot nematode (*Meloidogyne*) species infecting cucurbitaceous crops in terai region of West Bengal. *Indian Journal of Ecology, 50*(5), 1503-1507.
5. Swapna Rani, K., Pal, S., Shivakumara, K. T., & **Dhanapati, G. K**. (2023). Morpho-molecular characterization and bioecology of leaf folder, *Pycnarmon cribrata* (Fabricius) on nirgundi (*Vitex negundo*): an aromatic medicinal shrub from India. *Archives of Phytopathology and Plant Protection, 56*(10), 787-805.

6. Swapna Rani, K., Pal, S., Shivakumara, K. T., Rajeshwari, D., & **Dhanapati, G. K**. (2022). Biodiversity of insect pest complex of Muskdana, *Abelmoschus moschatus* (L.) in Northern tracts of West Bengal. *Biological Forum, 14*(4), 326-330.
7. Thangjam, R., Kadam, V., Hemochandra, L., Ramalaxmi, V., **Dhanapati, G. K.**, & Patnaik, L. (2018). Studies on the diversity and abundance of butterfly in and around CUTM, Paralakhemundi campus, Odisha (India). *Journal of Entomology and Zoology Studies, 6*(5), 2484-2490.
8. **Dhanapati, G. K.**, Pal, S. & Swapna Rani, K. Exploring the diversity of Coccinellid Species: A Comprehensive Study on Polymorphism and species-specific Male Genitalia Identification. *Entomon*.
9. Sarkar, P., **Dhanapati, G. K*** & M., Karjee New Insecticide Mixture-Chlorantraniliprole 10% W/W + Novaluron 20% W/W Sc: Safe and Effective Control of Maize Fall Armyworm, *Spodoptera Frugiperda* (J.E. Smith). *Indian Journal of Entomology*.

POSTERS PRESENTED / SEMINARS

1. "Integrated Nursery Management Strategy Against Rice Root Knot Nematode in the Foot Hills of Eastern Himalayas. "Presented at National Seminar on Technological Advancement, Innovation and Entrepreneurship Development in Agriculture and Allied Sectors (2023)
2. "Bio-Efficacy of Chlorantraniliprole 0.53% w/w + Fipronil 0.8% w/w GR Against Yellow Stem Borer (*Scirpophaga incertulas*) on Rice. "Presented at International Conference on Advances in Plants, Microbes and Agricultural Sciences (2023)
3. "Male Genitalia-Based Identification of Dominant Coccinellids in the Terai Agroecosystem of West Bengal. "Presented at National Seminar on Climate Resilient and Input Efficient Agriculture for Food and Nutritional Security (2023).
   Awarded 3rd Best Poster*
4. "Predaceous Ladybird Beetle Fauna on Horticultural Crops in the Terai Region of West Bengal. "Presented at National Seminar on Horticulture for Sustainable Development, Nutritional and Livelihood Security (2022)

BOOK CHAPTER

Tumma, M., **Danapati, G.K**., Pal, S., & Hath, T.K. (2022). Sterile Insect Technique: A Tool for Insect's Pest Management. In B.S. Chandel (Ed.), *Applied Entomology and Zoology* (Vol. 6, pp. 31-42). New Delhi: AkiNik Publications.

WORKSHOPS / CERTIFICATIONS

Workshop on "Intellectual Property Rights" at ICRISAT. (2019)

Declaration

I hereby declare that the information provided above is true to the best of my knowledge and belief.

Gokul Krishna Dhanapati
Date-07/10/2025