

Dr. Deepak D. Barsagade

Associate Professor



Contact Information

P. G. Department of Zoology
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Biographical detail

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| M. Sc. Zoology (Entomology) | Nagpur University, Nagpur, India | 1988 |
| M. Phil. Zoology | Nagpur University, Nagpur, India | 1989 |
| Ph. D. Zoology | Nagpur University, Nagpur, India | 1998 |

Professional details

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| Asso. Professor- | Department of Zoology, RTM Nagpur University | 2003- tilldate |
| Lecturer- | J. M. Patel College, Bhandara | 1988 -2003. |

Experience

Teaching: 23 years

Research: 16 years

Research Guidance:

- 04 M. Phil students
- Ph. D. Awarded- 02 students, 08- working

Research Interest: Wild Sericulture, Insect Endocrinology, Insect Morphology

Membership of Scientific Societies

- South Asian Council of Odonatology, India
- Indian Society of Comparative Endocrinology
- Association for Advancement of Entomology, India
- Silk Society of India

Research Projects

- Ultrastructure of silk gland and silk protein biosynthesis of tasar silk worm *Antheraea mylitta* eco-race Bhandara. UGC Major Research Project (2009-2012) – (Rs -7,58,800/-)
- Conservation and Biology of tasar silk worm , *Antheraea mylitta* eco-race Bhandara. Rajiv Gandhi Science and Technology Commission , Govt of Maharashtra, Mumbai (2009-2012) (Rs 15,113,00/-)

Award – Awarded Best Citizen of India 2011 by International Publishing House, India

List of Publications

- Barsagade, D. D** and Tembhare, D. B.. (2000). Development, Structure and Secretory activity of silk gland complex in the tropical tasar silkworm *Antheraea mylitta* (D) *Sericologica*, **40(2)**, 231-245.
- Tembhare, D.B. and **Barsagade, D. D.** (2000). Cephalic neuroendocrine system in the tropical tasar silkworm, *Antheraea mylitta* (D) (Lepidoptera: Saturniidae): Metamorphic and Sericotropic function. *Int. J. Wild Silk moth and Silk*, **21-29**.
- Barsagade, D.D.** and Tembhare, D.B. (2002). Effect of some exogenous factor on silk gland protein in the tropical tasar silkworm, *Antheraea mylitta*. *Indian J.Sericulture*, **41: 34-37**.
- Tembhare, D.B. and **Barsagade, D. D.** (2003). Effect of microbial infection on the posterior silk gland in the tropical tasar silkworm, *Antheraea mylitta* (D) (Lepidoptera Saturniidae). *Entomon*, **28: 231-235**.
- Barsagade, D. D.** and Tembhare, D.B. (2004). Haemolymph amino acid and protein profile in the tropical tasar silkworm, *Antheraea mylitta* (D) (Lepidoptera Saturniidae), *Entomon*, **29(3):1-7**.
- Barsagade D D and Kelwadkar K M** (2008) Ultrastructural changes in the midgut during metamorphosis in *Apis cerana indica*, *Int.Journal of Industrial Entomology* **16 (1) 26-35**.
- Barsagade D D and Kelwadkar K M and Kadwey M N** (2009) Biochemical changes in the midgut during metamorphosis in *Apis cerana indica*, *Halters* **1(1) 72-79**.
- Barsagade D. D.** Pankules, and Tembhare D.B. (2009) Impact of fungus on egg shell of the Tropical tasar silkworm, *Antheraea mylitta* (D): an ultrastructure approach *International Journal of Industrial Entomology* **18 (2)77-82**.
- Barsagade D. D.,** Tembhare D.B. and Kadu S. G (2010) SEM structure of mandibular sensilla in the carpenter ant *Camponotus compressus* (Fabricius) (Formicidae:Hymenoptera) *Halters* (1): **2 53-57**.
- Barsagade D. D.** and Kadway M. N. (2010) Ultrastructural changes in midgut, fat body and silk gland in CPV infected tasar silk worm *Antheraea mylitta* (D) (Lepidoptera: Saturniidae) *International Journal of Industrial Entomology* **21(1) 117-125**.
- S. G. Kadu, D. B. Tembhare and **Barsagade D. D.** (2010) Efficacy of botanical extracts against the household pest carpenter ant *Camponotus compressus* (Fabricius) (Formicidae:Hymenoptera) *J. Soil and Crops* **20 (2) 314-317**.
- Barsagade D. D.,** M. N. Kadwey., S. A. Gharade, M. P. Thakare., H. M. Meshram G. B. Gathalkar and R. J. Andrew (2011) Biology and effects of environmental factors and pathogens on the vanya tasar silkworm, *Antheraea mylitta* eco-race Bhandara. *Pro. Nat. Conf. Env. Bio. & Biodiv.* **162-169**.
- Barsagade D.D. and Badwaik V.J.** (2011) Metamorphic Changes during post embryonic development and ultrastructure of antenna in red eye bug , *Leptocoris augur* (Hemiptera:Rpopalidae) *International Journal of Research in Chemistry and Environment* **1(2):104-110**