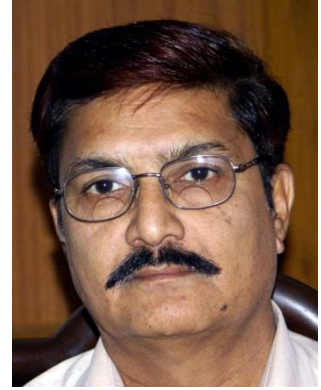


**Dr. Arun M. Khurad**  
*Professor & Head*



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**Biographical information**

B.Sc. Biology	Nagpur University, Nagpur, India	1972
M.Sc. Zoology (Entomology)	Nagpur University, Nagpur, India	1974
Ph.D. Zoology (Insect Endocrines)	Nagpur University, Nagpur, India	1979

**Professional details**

Professor	-	Department of Zoology, RTM Nagpur University, Nagpur	2000-till date
Reader	-	Department of Zoology, RTM Nagpur University, Nagpur	1991-2000
Lecturer	-	Department of Zoology, RTM Nagpur University, Nagpur	1977-1991

**Experience:**

**Teaching:** 34 Years

**Research:** 36 years

**Research Interest:** Insect pest control, Sericulture, Insect Cell and Tissue Culture, Insect Pathology, Butterfly biodiversity

**Research guidance:**

- 40 M. Sc. Students
- 13 M. Phil. Students
- Ph. D. Awarded- 13 students, 03 submitted, and 02 working
- Post Doctoral Student: 01-worked in DST project- SR/WOS-A/LS-154/2004 (2004-2007)

### **Administrative:**

<b>Coordinator-</b> (Additional Charge)	Centre for Sericulture & Biological Pest Management Research (CSBR), RTM Nagpur University, Nagpur	1995-2009
<b>Headship -</b>	Department of Zoology, RTM Nagpur University, Nagpur	2009-tilldate
<b>Director-</b> (Additional Charge)	Board of College and University Development (BCUD), RTM Nagpur University, Nagpur	23 April-29 May, 2010, 06 June-07July, 2010, 04 Aug -22 Dec 2010

### **Fellowships/Awards/Honours:**

- Jr. Research Fellowship UGC, New Delhi 1974-1977
- Pre project Training award, International Development Research Centre, (IDRC) Canada March-Sep 1984
- A Group Award of United State Dept. of Agriculture (USDA) as certificate for appreciation on successful completion of PL-480 (US Aid) Project 1990
- Best Teacher Award of RTM Nagpur University, Nagpur, August 2011

### **Membership of scientific Societies:**

- Member of tissue Culture Association, USA (1984-85)
- Member of Society of Protozoologists, USA (1990-1991)
- Life Member of Indian Academy of Sericulture, Bhubaneshwar, Orissa, India
- Life Fellow of Madhawi Shayam Educational Trust (FMSET) and International Consortium of Contemporary Biologists, Ranchi, Jharkhand.
- President of Zoologists welfare Association.

### **Research Projects:**

- Locust and Grasshopper control using microsporidian under Biological Pest Management Project, IDRC, Canada, Phase-I (3-P-82-0154)1984-87 (Asstt. Scientist) Completed.

- Locust and Grasshopper control using microsporidian under Biological Pest Management Project, IDRC, Canada, Phase-II (3-P-86-0233)1987-90 (Asstt. Scientist) Completed.
- Biology and control of Citrus black fly *Aleurocanthus* sp. By hymenopteran parasites in Vidarbha region of Maharashtra, US Aid PI-480-ICAR, New Delhi (Grant No. FG-IM-634) (project No. IN-ARS-230) 1985-1988 (Co-Investigator) Completed.
- Research Project to establish Centre for sericulture and Biological Pest Management Research (CSBR). UGC Major Research Project (F-11-4/88 (SR)-I (1988-1995) (Co-Investigator) Completed.
- Establishment of new silkworm cell lines for the production of potential insect baculoviruses. UGC Major Research Project (F. 31-222/2005(SR) 2006-2009 (Principal Investigator) Completed.

**List of selected recent Publications:**  
**(In peer-reviewed national and international journals with high impact factors)**

Tiple, A.D., **Khurad, A.M.**, Dennis, R.L.H. (2011). Butterfly larval host plant use in a tropical Urban context: Life history associations, herbivory, and landscape factors. *Journal of Insect Science* 11:65 available online: [insectscience.org/11.65](http://insectscience.org/11.65) (Impact factor= 1.0)

Jadhao, M. F. and **Khurad, A. M.** (2011). Comparative analysis of population build up of rice plant hoppers, *Nilaparvata lugens* and *Sogatella furcifera*. *Pestology* 35(10): 57-64

**Khurad, A. M.**, Bahekar, R. S., Tiple, A. D., Zhang , Zhang C. X and Kusakabe, T. (2011). Expression of luciferase and green fluorescence protein in newly established and other *Bombyx mori* continuous cell lines by using recombinant BmNPV bacmid. (submitted to *Tissue and Cell*).

Wazalwar, S. M., Rathod, M. K., Rai, M. M. and **Khurad, A. M.** (2010) Morphological characteristics of female ovipositor sensilla of tasar silkworm, *Antheraea mylita* D. (Lepidoptera: Saturniidae). *Int. J. Wild Silkworm & silk* 15: 83-86.

**Khurad, A. M.**, Zhang, M. J., Deshmukh, C. G., Bahekar, R. S., Tiple, A. D. and Zhang C. X. (2009) A new continuous cell line from larval ovaries of silkworm, *Bombyx mori*. In *Vitro Cell.Dev.Biol.—Animal* 45: 414-419. (Impact Factor= 1.6)

Tiple, A.D., **Khurad, A.M.** and Dennis, R.L.H. (2009) Adult butterfly feeding–nectar flower associations: constraints of taxonomic affiliation, butterfly, and nectar flower morphology. *J. Natural History* 43, (13–14): 855–884. (Impact factor=1.0)

- Tiple1, A. D., **Khurad, A. M.** and Padwad, S. V. (2009) Genetic Relationships among Some Lycaenidae Butterflies as Revealed by RAPD Analysis. *Cytologia* **74**(2): 165–169.
- Tiple, A. D., Agashe, D.**Khurad, A. M.** and Kunte, K. (2009). Population dynamics and seasonal polyphenism of *Childes pandava* (Lepidoptera: Lycaenidae) in Central India. *Current Science* **97** (12), 1774-1779. (Impact factor=1.0)
- Wazalwar, S. M. and **Khurad, A. M.** (2009). The mouthparts sensillae in the larvae of tasar silkworm, *Antheraea mylitta*. *Sercologia* **49** (1): 47-57. (Impact factor=1.0)
- Tiple, A.D., **Khurad, A.M.** and Dennis, R.L.H. (2007). Butterfly diversity in relation to a human impact gradient on an Indian university campus. *Nota Lepidopterologica*. **30** (1): 179-188. (Impact factor=1.0)
- Khurad, A. M.**, Kanginakudru, S., Qureshi, S. O., Rathod, M. K., Rai, M. M. and Nagaraju, J. (2006). A new *Bombyx mori* larval ovarian cell line susceptible to nucleopolyhedrovirus. *J. Invertebrate Pathol.* **92** (2): 59-65. ( Impact factor=1.6 )
- Khurad, A. M.**, Mahulikar, A., Rathod, M. K. and Rai, M. M. (2005). Infection of nucleopolyhedrovirus in the larval rudiments of gonads of silkworm, *Bombyx mori* L. *Indian J. seric.* **44**(2), 159-164.
- Khurad, A. M.**, Mahulikar, A., Rathod, M. K., Rai, M. M., Kanginakudru, S. and Nagaraju, J. (2004). Vertical transmission of nucleopolyhedrovirus in the silkworm, *Bombyx mori* L. *J. Invertebrate Pathol.* **87**(1) : 8-15. (Impact factor=1.6 )
- Rai, M. M., Rathod, M. K. and **Khurad, A. M.** (2002). Improvement in economic characters of silkworm, *Bombyx mori* L. by folic acid administration. *Entomon* **27** (1) : 99-104.
- Rai, M. M., Raina, S. K. and **Khurad, A. M.** (2002). Field trials of *Nosema locustae* for control of paddy grasshopper, *Hieroglyphus* spp. in Vidarbha of India. *Entomon.* **28**(3) : 207-214.