

Dr. Arun G. Jadhao, M.Sc., Ph.D., (AvH Fellow Germany)
Professor



Contact Information:

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 RTM Nagpur University
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Biographical information:

B.Sc. (Biology)	Nagpur University, Nagpur, India	1982
M.Sc. (Zoology)	Nagpur University, Nagpur, India	1985
Ph.D. (Zoology)	Nagpur University, Nagpur, India	1990
German language	Goethe Institute Göttingen, Germany	1994

Professional details:

Professor	Dept. of Zoology, RTM Nagpur University, India	2009-till date
Reader	Dept. of Zoology, Pune University, India	2005- 2009
Scientist IV (2),	CFTRI, Govt. India, Mysore, India	Feb.-Dec., 2000
Various assignments	(AvH fellow, Scientists etc.) in Germany	1994- 2004
General Manager	NCDC, Govt. of India, India	1993 - 1994

Experience:

Teaching: 06 years

Research: 20 years

Research Interests: Neurobiology, Neuroendocrinology, Fish Reproduction

Research Guidance:

- 8 M. Sc. project students,
- 2 Ph.D. students currently working.

Research projects:

- Calcium-binding proteins in the brain and pituitary of Indian major carps. DST, New Delhi 2007-10 (Rs. 22.20 Lakhs) **completed**.
- Nitric oxide (NO) in the CNS of Indian major carp, *Labeo rohita* during development UGC major research 2007-10 (Rs. 8.64 lakhs) **completed**.

Fellowships/Awards/Honors:

- Fellow, Alexander von Humboldt (AvH) Foundation, Germany.
- Fellow, German Science Foundation, Germany.
- Senior Research Fellow (CSIR), Govt. of India.
- Research Fellow, Maharashtra State Council of Science and Technology Cell,

Department of Education and Employment, Govt. of Maharashtra, India.

- Inclusion of biography in the directory of “Who's Who in Science and Engineering” for the year 2010-2011. Published by Marquis Who's Who, USA.

Membership of scientific societies:

National societies:

- Joint secretary, Indian Society for Comparative Endocrinology (ISCE), 2007-present.
- Life member, Indian Society of Comparative Endocrinologists (ISCE).
- Member, Association of Aquaculturists of India, Bhubaneshwar (1991 - present).
- Member, Zoology Association, Dept. of Zoology, Nagpur University, (1985 - 1992).
- Member, Zoology Association, Dept. of Zoology, University of Pune (2005 - present).
- Member, Zoology Association, Dept. of Zoology, RTM Nagpur University (2009 - present).

International societies:

- Life member, Asia and Oceania Society for Comparative Endocrinology (AOSCE).
- Member, European Society for Comparative Endocrinologists (ESCE) (1989 - present).
- Life member, International Federation of Comparative Endocrinology Society (IFCES).
- Member, Asian Fisheries Society (AFS).
- Member, International Society of Developmental Neuroscience (ISDN).
- Member of the Advisory Committee of International Association of Stress Physiology (IASP),(Life member)

List of selected recent publications:

(in peer-reviewed international journals with high impact factors):

1. Palande, N. V., S. Biswas and **A.G. Jadhao** (2011) The ontogeny of Mauthner cells in the brain of *Labeo rohita* as revealed by NADPH-d and NOS immunohistochemistry. *Brain Str. Func.* 216: 67-75. (**Impact factor = 4.98**).
2. Biswas, S., N. V. Palande, and **A.G. Jadhao** (2011) Inhibition of the extra-cellular calcium ions induced melanophore aggregation by nitric oxide in snakehead teleost fish, *Channa punctatus*. *Fish Physiol Biochem.* 37 (4): 919-927. (**Impact factor = 1.8**)
3. **Jadhao A.G.**, N.V. Palande (2008) NADPH-diaphorase expression in the Mauthner cells during post-embryonic development of the teleost fish, *Labeo rohita*. *Int. J. Devl. Neuroscience* 26(8): 857. (**Impact factor = 2.6**)
4. **Jadhao, A.G.** and C. R. Malz (2007) Localization of calcium-binding protein (calretinin, 29kD) in the brain and pituitary gland of teleost fish: An immunohistochemical study. *Neurosci. Res.* 59:265-276. (**Impact factor = 2.4**)
5. **Jadhao, A.G.** (2005) *Elements of molecular neurobiology*, C. U. M. Smith, Publisher, John Wiley & Sons Ltd. England, 2002, Third edition, pp, 613, Price GB £ 39.95, ISBN 0-471560383. *J. Chem. Neuroanat.* 29: 81-82. (**Impact factor = 2.5**)
6. **Jadhao, A. G.** and C. R. Malz (2004) Nicotinamide adenine dinucleotide phosphate (NADPH)-diaphorase activity in the brain of a cichlid fish, with remarkable findings in the entopeduncular nucleus: A histochemical study *J. Chem. Neuroanat.* 27: 75-86. (**Impact factor = 2.5**)
7. **Jadhao, A.G.** and C. R. Malz (2003) Localization of NOS-I isoform in the diencephalon and pituitary gland of the catfish, *Synodontis multipunctatus*: An Immunocytochemical Study. *Gen.Comp. Endocrinol.* 132(2): 278-283. (**Impact factor = 2.8**)

8. **Jadhao, A. G.** and C. R. Malz (2003) NADPH-diaphorase in the brain of the African cichlid fish, *Haplochromis burtoni*. Eur. J. Cell Biol. 82 Suppl. 53, 39. (**Impact factor = 3.5**)
9. **Jadhao, A. G.** and C. R. Malz (2002) Distribution of calretinin immunoreactivity in the brain and pituitary gland of the hardhead catfish, *Arius felis*. Ann. Anat. 185 Suppl., 19. (**Impact factor = 1.6**)
10. **Jadhao, A.G.**, B. D'Aniello, C.R. Malz, C. Pinelli and D.L. Meyer (2001) Intra-sexual and inter-sexual dimorphisms of the red salmon prosencephalon. Cell Tissue Res. 304(1):121-140. (**Impact factor = 2.8**)
11. **Jadhao, A.G.** (2001) Localization of molluscan cardioexcitatory tetrapeptide immunoreactivity in the brain of African Cichlid fish, *Haplochromis burtoni*. Neurosci. Lett. 303(2):103-106. (**Impact factor = 2.2**)
12. **Jadhao, A.G.** and C. Pinelli (2001) Galanin-like Immunoreactivity in the brain and pituitary gland of the 'four-eyed' fish, *Anableps anableps*. Cell Tissue Res. 306(2):309-318. (**Impact factor = 2.8**)
13. **Jadhao, A. G.** and D.L. Meyer (2000) Sexually dimorphic distribution of galanin in the preoptic area of red salmon, *Oncorhynchus nerka*. Cell Tissue Res. 302(2):199-203. (**Impact factor = 2.8**)