



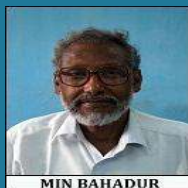
ENLIGHTENMENT TO PERFECTION

UNIVERSITY OF NORTH BENGAL

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Raja Rammohunpur, Dist- Darjeeling, West Bengal, Pin-734013, India.

Department of Zoology

Print



MIN BAHADUR

Dr. Min Bahadur

M.Sc., Ph.D.

Associate Professor

Members of Learned Societies: Life Member of Indian Soc. of Cell Biology Life, ADNAT, CCMB, Zoological Society, Kolkata

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Subject specialization: Cytogenetics, Evolutionary Biology, Molecular Biology**Areas of Research Interest:** Evolutionary Cytogenetics, Heterochromatin, Genotoxicity**No. of Ph.D. students:** (a) Supervised: 03 (b) Ongoing: 08.**No. of M.Phil. students:** (a) Supervised: NA (b) Ongoing: NA.**No. of Publications:** 29**Achievement & Awards:**

- Qualified UGC NET (1986)
- Received Indo-German Exchange Fellowship (1990) by ICMR (India) & GSF (Germany)
- Received Indo-Nepal B.P. Koirala Foundation Fellowship, Govt. of Nepal (1993-94)
- Fellow Zoological Society, Kolkata (2011)

Professional Experiences:

- Research Scientist from August 1996-July 1997 in a DBT Sponsored project at the Department Of Genetics, University of Delhi, South Campus, New Delhi.
- Hands on training on **DNA Markers: Development and Applications**, February 25-12, 2004, at CCMB, Hyderabad
- Training Course in Drosophila Genetics: A new way to look Teaching and research, March 28-30, 2006, Department of Zoology, Calcutta University.
- Hands on training on: Current Tools for Genotoxicity Assessment in Fishes, February 19-26, 2009 at NBFGR, Lucknow.
- Indo-German Workshop on Molecular Techniques in Genetics, BHU, Feb 19-28, 1990.
- Acted as Resource Person for Refresher Course in Anthropology, 2010, ASC, University of North Bengal.
- Acted as Resource Person for Refresher Course in Life Science, 2011, ASC, University of North Bengal.
- Acted as Resource Person for Refresher Course in Life Science, 2012, ASC, University of North Bengal.
- Acted as Resource Person for Refresher Course in Zoology, 2013, ASC, Gauhati University.
- Acted as Resource Person for Refresher Course in Life Science, 2013, ASC, NBU.
- Acted as Visiting Fellow in Zoology 2013 and 2015, Gauhati University.
- Acted as Guest Faculty in Zoology, Sikkim University, 2013
- Member, Syllabus framing Committee in Zoology for UG, Sikkim University, 2008,
- Chairman, Syllabus framing Committee in Zoology, PG, Sikkim University, 2013

- Nominated Member, School Board of Sikkim University since 2013-16
- Court Member, University of North Bengal, 2007-2019, 2012-2014, 2015-17
- Member UG Board of Studies, University of North Bengal, May 2007- April 2011

Administrative Experiences:

- Former Head, Department of Zoology, University of North Bengal, Feb 2012-2014
- Head, Department of Zoology, University of North Bengal, September 2015-2017

Other Information:

- Adhoc Lecturer, Department of Zoology, Guru Nanak Dev University, Amritsar, Punjab, Sep 1997-March 1998
- Lecturer, Department of Zoology, DBS P.G. Collegen, Dehradun, May 1999- 4th May 2001

Selective List of Publications:

1. Rajeev Patnaik, **Min Bahadur**, T. Sharma & Ashok Sahni (1993) A comparative analysis of the molars of *Mus booduga*, *Mus dunnii* and fossil *Mus* of the Indian palaeobiogeographic implications. *Current Science* 65: 782-786.
2. Chatterjee B, **M. Bahadur** & T. Sharma (1994). Mitochondrial DNA restriction maps of *Mus booduga*, *Mus terricolor* and *Mus musculus tyleri*. *J.Genet.* 73:57-64.
3. **Bahadur, M.** & T. Sharma (1995) Heterochromatin and karyotype evolution in speciating “*Mus terricolor* complex”. *Proc. Zool. Soc.*, Calcutta 48: 45-48.
4. Sharma, T.; Bardhan, A. and **Bahadur, M.** (2002) Increase and decrease of whole-arm heterochromatin in specific chromosomes: An extra ordinary situation in hybrids in the *Mus terricolor* complex. *Cytogenet. Genome Res.* 96:224-249.
5. Chatterjee B, **M. Bahadur**, S. Srivastava & T. Sharma (2003) Differential Organization of a LINE-1 family in Indian Pygmy field mice. *Ind. J.Exp.Biology* 41:53-57.
6. Sharma, T, A. Bardhan and **M. Bahadur** (2003) Reduced meiotic fitness in hybrids with heterozygosity for heterochromatin in the speciating *Mus terricolor* complex. *J. Biosciences* 28:189-198.
7. **M. Bahadur** & T. Sharma (2006) Rapid evolution of post zygotic reproductive isolation in actively speciating *Mus terricolor* complex. *Perspectives in Cytology and Genetics* 12: 331-339.
8. Rudra M. and **Bahadur M.**, (2007) A chromosomal study of Indian Pygmy field mice *Mus terricolor* from Dooars and Terai of North Bengal. *North Bengal University Journal of Animal Sciences* 1, 88-92.
9. Rudra M. and **Bahadur M.**, (2009) A report on the population distribution and heterochromatin variation of *Mus booduga* and *Mus terricolor* in some regions of North Bengal. *North Bengal University Journal of Animal Sciences* 3: 60-65.
10. Mahua Rudra, **Min Bahadur** and Gautam Debnath (2010) LDH variation in natural population of the Indian pygmy field mouse *Mus terricolor*. *North Bengal University Journal of Animal Sciences* 4: 40 – 44.
11. Dhiraj Saha, Ananda Mukhopadhyay and **Min Bahadur** (2010) Variation in detoxifying enzymes of Assam thrips, *Scirtothrips dorsalis* hood (thysanoptera: thripidae) from organically and insecticide managed tea plantations. *North Bengal University Journal of Animal Sciences* 4: 45-52.
12. Debnath, G., Rudra, M., Bhattacharjee, S. & **Bahadur, M.** (2010) Serum protein polymorphism among three tribal populations of West Bengal, India. *North Bengal University Journal of Animal Sciences* 4: 53-58.
13. R. Nur, K. Gurung, **M. Bahadur**, S. Barat and R.F. Lepcha (2010) Integrated culture of coldwater fish, *Neolissocheilus hexagonolepis* (mccllelland), with livestock in jhora ponds of darjeeling hills in West Bengal. *North Bengal University Journal of Animal Sciences* 4: 59-64.
14. **Min Bahadur**, Goutam Debnath, Soumen Bhattacharjee & Mahua Rudra (2011) A Study on Genetic Variation among Oraon, Munda and Chik Baraik Tribes of North Bengal. *Tribal World* Vol. 1 (1):82-87.
15. Rudra, M., Mitra, B., Debnath, G. & **Bahadur, M.** (2012) *Mus terricolor* tRNA-Thr gene, partial sequence; tRNA –pro gene and control region, complete sequence and tRNA-Phe gene partial sequence; mitochondrial. GenBank: Accession No. JN861073.1
16. Dhiraj Saha, Ananda Mukhopadhyay and **Min Bahadur**. (2012) Variation in detoxifying enzymes activity in tea greenfly, *Empoasca flavescens* Fabricius (Homoptera:Jassidae) from sub Himalayan organic and conventional tea plantations. In: (Ed R. Varatharajan) Symposium Proceedings: Biodiversity status and conservation strategies with reference to NE India, Manipur University. Pp 257-. ISBN: 978-81-923343-1-8.
17. Saha, D., Mukhopadhyay, A. and **Bahadur, M.** 2012. Variation in the activity of three detoxifying enzymes in major sucking pest of tea, *Helopeltis theivora* Waterhouse (Heteroptera: Miridae) from sub-Himalayan tea plantations of West Bengal, India. *Proceedings of Zoological Society*. DOI: 10.1007/s12595-012-0039-y. Published online 2nd August, 2012. (*Springer-Verlag Publication, Netherlands*).
18. Saha, D., Mukhopadhyay, A. and **Bahadur, M.** 2012. Genetic diversity of *Empoasca flavescens* Fabricius (Homoptera: Cicadellidae), an emerging pest of tea from sub-Himalayan plantations of West Bengal, India. *Proceedings of Zoological Society* (July-Dec 2012) **65**(2): 126-131. (*Springer-Verlag Publication, Netherlands*).
19. Saha, D., Mukhopadhyay, A. and **Bahadur, M.** 2012. Effect of host plants on fitness traits and detoxifying enzymes activity of major sucking insect pest of tea, *Helopeltis theivora* (Heteroptera: Miridae). *Phytoparasitica*. **40**: 433-444. DOI: 10.1007/s12600-012-0244-2. Published online 19th July, 2012. (*Springer-Verlag Publication, Netherlands*).
20. Saha, D., Mukhopadhyay, A. and **Bahadur, M.** 2010. Variation in Detoxifying Enzymes of Assam Thrips, *Scirtothrips dorsalis* Hood (Thysanoptera: Thripidae) from Organically and Insecticide Managed Tea Plantations. *NBU Journal of Animal Sciences* **4**: 45-52. **ISSN 0975-1424**.
21. Mahua Rudra and **Min Bahadur** (2013) Heterochromatin variation among the populations of *Mus terricolor* Blyth, 1851 (Rodentia, Muridae) chromosome type I. *Comp. Cytogen. 7* (2): 139-151.
22. Rudra Prasad Roy, **Min Bahadur** and Sudip Barat (2013) Isolation, identification and antibiotic resistance of *Aeromonas* spp. And *Salmonella* spp. from fresh water loach, *Lepidocephalichthys guntea* (Hamilton Buchanan) and water of Terai river Lotchka, Darjeeling District, West Bengal, India. *Journal of Zoologica poloniae* 58:1-13.
23. Rudra Prasad Roy, **Min Bahadur** and Sudip Barat (2013) Isolation and identification of multi antibiotic resistant of *Aeromonas veronii* by 16S rDNA gene sequencing from gut of fresh water loach, *Lepidocephalichthys guntea* (Hamilton Buchanan). *Int. J. of Bioresource and Stress Management* **4** (4):496-499. **ISSN No. 0976-3988**.
24. Rudra Prasad Roy, **Min Bahadur** and Sudip Barat (2014) Studies on antibiotic resistance activity of *Pseudomonas* sp., isolated from fresh water loach, *Lepidocephalichthys guntea* and water sample of river Lotchka, Darjeeling, India. *J. Env. Biol.* **35**(1):237-241 (**ISSN : 0254-8704**)
25. Swati Singh, Dawa Bhutia, Sanjib Sarkar, Benoy Kishore Rai, Joydeb Pal, Soumen Bhattacharjee and **Min Bahadur** (2015) Analysis of pesticides residues in water, sediment and fish tissue from river Deomoni flowing through the tea gardens of Terai Region of West Bengal, India. *Int. J. Fisheries and Aquatic Studies* 3(2):17-23.
26. **Min Bahadur** and Mahua Rudra (2014) *Mus terricolor* (Rodentia, Muridae) Complex: Chromosomal polymorphism. *NBU J. Anim. Sci.* 8:15-22 (ISSN 0975-1424).

27. Bappaditya Ghosh, Ananda Mukhopadhyay, Ananya Das and **Min Bahadur** (2015) Restriction endonuclease fragment analysis of *Hyposidra talalca* nucleopolyhedrovirus genome. *International J. Current Research and Academic Review*. 3(8): 81-87.
28. Mahua Rudra, Biswanath Chatterjee and **Min Bahadur** (2015) Phylogenetic relationship and time of divergence of *Mus terricolor* with reference to other *Mus* species. *J. Genetics*. (Accepted)
29. Rudra Prasad Roy, **Min Bahadur** and Sudip Barat (2015) Comparative Study of Antibiotic Resistance Profile of *Enterobacteriaceae* Bacterial Isolates from the Gut of Intestinal Air-Breathing Fish, *Lepidocephalichthys guntea* and its Habitat. *Int. J. Sci. Res.* 4(6): 2565-2569. ISSN (Online):2319-7064 I