

CURRICULUM VITAE

Dr. Boni Amin Laskar Scientist- D

Freshwater Biology Regional Centre
Zoological Survey of India, MoEF&CC
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Expertise and Interests: Ichthyology, Taxonomy, Molecular systematics, DNA barcoding, Freshwater Ecology, and Biodiversity conservation

Academic details:

Degree	University/Board	Subjects studied	Results	Year of Result
Ph. D.	Rajiv Gandhi University, Itanagar, Arunachal Pradesh	Zoology	Awarded	2010
Research Methodology	Rajiv Gandhi University, Itanagar, Arunachal Pradesh	Research methodology, Instrumentation	I Div	2011
Master of Science (M. Sc.)	Assam University, Silchar, Assam	Life Science (Zoology)	I Div	2000
Bachelor of Science (B. Sc.)	Assam University, Silchar, Assam	Zoology (Hons.) Botany, Chemistry	I Div	1998

Doctoral Research (Degree awarded on 3rd January 2011 as per notification)

Thesis title: Investigation on the Habitat Ecology and in-situ Reproductive Strategy of *Neolissochilus hexagonolepis* (McClelland) in Arunachal Pradesh.

Supervisor & Institute: Dr. D. N. Das, Rajiv Gandhi University, Itanagar, Arunachal Pradesh

Post-Doctoral Research (since January 2011)

- DBT-Research Associateship on topic entitled “Barcoding of Mahseer fishes in north-east India”; Mentor: Prof. S. K. Ghosh, Dept. of Biotechnology, Assam University, Silchar. Fellowship from the DBT-RA scheme, Govt. of India (Jan 2011- Aug 2013 till resigned)
- DST Fast Track scheme for Young Scientists on topic “Combined Molecular (COI barcode) and Morphological based Inventoring of Freshwater Fish Diversity from Three Selected Protected Areas”; at Centre for DNA Taxonomy, ZSI, Kolkata (Sep 2013 to June 2016)
- Research Associate in National Mission of Himalayan Studies on “Lepidoptera as indicator of climate change” project (till resigned due to selection in CSIR pool scientist)
- CSIR Pool Scientist on “Integrative DNA barcoding and morphology based reconciliation of prey fish species composition of Gangetic Dolphin from recognized dolphin habitats in Brahmaputra River in Assam” (02Feb, 2017 to 05 April 2017 till resigned due to selection as Scientist-D in ZSI)
- First RSG on Habitat inventory of threatened Junggha Mahseer fish for conservation area appraisal in Northeast India. funded by the Rufford Small Grants Foundation, London (2010-2012)
- Second RSG on Threat identification and population assessment of *Neolissochilus hexastichus*- an endemic mahseer fish in North-East India vis-à-vis conservation actions. Funded by The Rufford Small Grants Foundation, London (2013-2014)

Professional experience

Sl. No.	Position held	Organization/institute	From	To
<i>i</i>	Scientist- D	Zoological Survey of India, MoEF&CC, Freshwater Biology Regional Centre, Hyderabad	10.04.2017	current
<i>ii.</i>	Pool Scientist (CSIR)	Zoological Survey of India, M-Block, New Alipore, Kolkata	02Feb, 2017	05 April 2017
<i>iii</i>	Research Associate (NMHS)	Zoological Survey of India, M-Block, New Alipore, Kolkata	July 2016	January 2017
<i>iv</i>	Young Scientist (DST)	Zoological Survey of India, M-Block, New Alipore, Kolkata	Sep 2013	June 2016
<i>v</i>	Research Associate III (DBT-RA)	Department of Biotechnology, Assam University, Silchar 788011, Cachar, Assam	January, 2011	August 2013
<i>vi</i>	Principal Investigator	Individual grant from The Rufford small grants foundation, London	November, 2010	December, 2011
<i>vii</i>	Technical Assistant	Department of Zoology Rajiv Gandhi University Itanagar, Arunachal Pradesh-	December, 2008	July, 2010
<i>viii</i>	Resource Person (Teaching & Counselling Program)	Institute of distance education Rajiv Gandhi University Itanagar, Arunachal Pradesh	12th December, 2009	21st December, 2009
<i>ix</i>	Technical Assistant	Directorate of Coldwater Fisheries Research (ICAR)	December, 2006	September, 2008
<i>x</i>	Senior Research Fellow	Directorate of Coldwater Fisheries Research (ICAR)	July, 2003	July, 2006
<i>xi</i>	Senior Research Fellow	Department of Life Science Assam University, Silchar	September, 2001	October, 2002

Membership / Fellowship of Learned Bodies / Societies

- # Member of the South Asia Chapter of the IUCN's Freshwater Fish Specialist Group (FFSG), a collaborative effort of the Species Survival Commission (SSC) and the Wetland International (WI)
- # Member of the Freshwater Fish Conservation Network of South Asia (FFCNSA), run by the South Asia Office of the FFSG
- # Member of the Asian Society of Ichthyologists
- # International Collaborator of UK based MAHSEER TRUST
- # Life Member of Coldwater Fisheries Society of India

Foreign visit

- # Presented oral paper in "ASIAN FISH BIODIVERSITY CONFERENCE 2014" on "Assessing species status of mahseer fish resources of North-East India through DNA barcoding" organized by University Sains Malaysia held at PENANG, MALAYSIA during 12-13 Feb, 2014. The travel grant for the visit was provided from ITS of SERB (DST) India.
- # Participated in "Fish Photography workshop" held on 14th Feb, 2014 at School of Biological Sciences, University Sains Malaysia, PENANG, MALAYSIA.

Publications

Books

1. **Laskar BA** and Das DN (2016) Eco-Biology of Indian Mahseer Fish- *Neolissochilus hexagonolepis*. Published by: Lambert Academic Publishing. ISSN **978-3-659-90044-0**, pp **161**.
2. Kumar V, Tyagi K, Kundu S, **Laskar BA**, Banerjee D (2016) *Genotypic data of Indian fauna.. Series-1*, published by: The Director, Zoological Survey of India, Kolkata.
3. **Laskar BA**, Das KC, Dhar B, Bhattacharjee MJ, Ghosh SK (2012) *A text book on DNA Barcoding*. Published by: Books Space, Kolkata.
4. **Laskar BA**, Ado T, Ngemu M, Das T, Roy S (2012) *Coldwater Lakes and Rivers in Arunachal Pradesh, India*, DCFR bulletin No.19. Mehao Lake and Ganga Lake, Arunachal Pradesh. published by: The Director, Directorate of Coldwater Fisheries Research (ICAR), Bhimtal, India.

Research articles

5. **Laskar BA**, Kumar V, Kundu S, Tyagi K, Chandra K (2018) Taxonomic quest: validating two mahseer fishes (Actinopterygii: Cyprinidae) through molecular and morphological data from biodiversity hotspots in India. *Hydrobiologia*, Accepted
6. Kundu S, Kumar V, **Laskar BA**, Tyagi K, Chandra K (2018) Morphology and Genetic variation in the endangered tortoise *Manouria emys*: distinct lineages or plastron anomalies. *Mitochondrial DNA Part B: Resources*, 3:1, 166-170, DOI:10.1080/23802359.2018.1437795
7. Tyagi K, Kumar V, Singha D, Chandra K, **Laskar BA**, Kundu S, Chakraborty R, Chatterjee S (2017) DNA Barcoding studies on Thrips in India: Cryptic species and Species Complex. *Scientific Reports, Nature Publishing Group*, Doi:10.1038/s41598-017-05112-7.
8. **Laskar BA**, Kumar V, Darshan A, Kundu S and Das DN (2016) DNA barcoding of *Amblyceps* congeners (Siluriformes: Amblycipitidae) from Brahmaputra drainage in northeast India. *Mitochondrial DNA, Taylor & Francis*. <http://dx.doi.org/10.3109/24701394.2016.1174223>.
9. Kundu S, Kumar V, **Laskar BA**, Chandra K, Tyagi K (2016) Mitochondrial DNA effectively detects non-native Testudines: Invisible wildlife trade in northeast India. *Gene Reports, Elsevier*, doi: 10.1016/j.genrep.2016.02.002.
10. **Laskar BA**, Kumar V, Kundu S, Tyagi K, Singha D, Chakraborty R, Chatterjee S and Saha S (2016) DNA barcoding of Gobiid fishes (Perciformes: Gobiidae) from eastern and northeastern India with new record of a Gobionellinae species for the region. *Mitochondrial DNA, Taylor & Francis*, <http://dx.doi.org/10.3109/24701394.2016.1143470>.
11. Kundu S, **Laskar BA**, Venkataraman K, Banerjee D and Kumar V (2015) DNA barcoding of *Nilssonina* congeners corroborates existence of wild *N. nigricans* in northeast India. *Mitochondrial DNA, Informa Healthcare*, DOI:10.3109/19401736.2015.1046176.
12. Dhriti Banerjee, Kumar V, Maity A, Ghosh B, Tyagi K, Singha D, Kundu S, **Laskar BA**, Naskar A, Rath S (2015) Identification through DNA barcoding of Tabanidae (Diptera) vectors of surra disease in India. *Acta Tropica* <http://dx.doi.org/10.1016/j.actatropica.2015.06.023>.
13. **Laskar BA**, Sarma D, Das DN (2013) Biometrics and Sexual dimorphism of *Neolissochilus hexagonolepis* (McClelland). *International Journal of Fisheries and Aquatic Studies*, 1(2) 8-12.
14. **Laskar BA**, Rawat JS, Dasgupta M, Biswas SP, Sarma D, Das DN (2013) Strategy of mahseer (Actinopterygii: Cyprinidae) conservation: a case study in Arunachal Pradesh, India. *Ecology, Environment and Conservation*, 19(3) 763-768.
15. **Laskar BA**, Bhattacharjee MJ, Dhar B, Mahadani P, Kundu S, Ghosh SK (2013) The species dilemma of Northeast Indian mahseer (Actinopterygii: Cyprinidae): DNA barcoding in clarifying the riddle. *PLoS ONE*, 8(1) e53704.
16. Hansa J, Chakraborty B, **Laskar BA**, Behera SA, Patel AK (2013) *Pteris vittata* propagation through different exposure of chromium concentration: an experiment to comprehend phytoremediation properties. *Advances in Bioresearch*, 4(1) 43-49.
17. Bhattacharjee MJ, **Laskar BA**, Dhar B, Ghosh SK (2012) Identification and re-evaluation of freshwater catfishes through DNA barcoding. *PLoS ONE*, 7(11) e49950.
18. Rawat JS, **Laskar BA**, Konwar A (2010) SRTM DEM and spatial multi-criteria evaluation in GIS for fish habitat suitability mapping: Arunachal Pradesh (Eastern Himalaya), India. *Geoinformation Science Journal*, 10(2) 62-73.

19. **Laskar BA**, Tyagi BC, Das DN (2009) Growth performance of Chocolate Mahseer- *Neolissocheilus hexagonolepis* (McClelland) in pond system in Arunachal Pradesh. *Indian Journal of Fisheries*, 56(1) 55-59.
20. Bagra K, Kadu K, Sharma KN, **Laskar BA**, Sarkar UK, Das DN (2009) Ichthyological survey and review of the checklist of fish fauna of Arunachal Pradesh, India. *Check List*, 5(2) 330-350.
21. Bagra K, **Laskar BA**, Das DN (2009) Dimorphic Morphological Features between Sexes of *Semiplotus semiplotus* McClelland. *Our Nature*, (7) 158-162.
22. Kar D, **Laskar BA**, Nath D (2006) Fecundity of *Eutropiichthys vacha* (Hamilton-Buchanan): A commercially important fish in Assam. *Environment & Ecology*, 24S(3) 726-727.
23. Kar D, **Laskar BA**, Nath D and Barbhuiya MH (2005) s. Length-weight relationship of *Neolissocheilus hexagonolepis* (McClelland) and *Garra lissorhynchus* (McClelland). *Indian Journal of Fisheries*, 52(4) 495-496.
24. **Laskar BA** (2013) Taxonomic status of mahseer fishes in north-eastern India: a report on the recent DNA barcoding studies. *Aquaculture Asia*, XVII(4) 23-25.
25. **Laskar BA**, Sarma D, Das DN (2010) A fish culture success story. *World Aquaculture Magazine*, 41(4) 31-33.
26. Lollen M, **Laskar BA** (2011) Soil fertility management by Memba tribe of Mechuka Valley, Arunachal Pradesh. *Current Science*, 101(11) 1399.
27. **Laskar BA**, Rawat JS (2009) Rivers in Threat. *Current Science*, 96(11) 1431.
28. **Laskar BA**, Grayu T, Konwar A (2009) Biological specimen preservation. *Current Science*, 97(5) 61.
29. Bhattacharjee MJ, **Laskar BA**, Dhar B, Ghosh SK (2013) Role of transversional substitution on DNA Barcode based species differentiation: catfish as a case study. *Journal of Environment and Sociobiology*, 10(1) 65-75.
30. Bijoya Kh Devi, Dhar B, **Laskar BA** and Ghosh SK (2013) Exploring ornamental fishes of Manipur through DNA barcoding. *Journal of Environment and Sociobiology*, 10(1) 65-75.
31. **Laskar BA**, Das DN (2011) Spatio-trophic micro-habitats of different growth stages of chocolate mahseer *Neolissochilus hexagonolepis* (McClelland) in lotic waters of Dibang valley district, Arunachal Pradesh, India. *Rajiv Gandhi University Research Journal*, 10(1-2) 37-48.
32. Rawat JS, **Laskar BA** (2010) Rivers in Arunachal Pradesh- the Eastern Himalaya. *Science and Culture*, 76 (11-12) 534-536.
33. **Laskar BA**, Pujen A and Nath P (2006) Study of the length-weight relationship and population structure of chocolate mahseer- *Neolissocheilus hexagonolepis* (McClelland) in Shally lake of Arunachal Pradesh. *Indian Journal of Environment & EcoPlanning*, 10(2) 525-528.
34. Kar D, **Laskar BA**, Mandal M, Lalsiamliana and Nath D (2002) Fish genetic diversity and habitat parameters in Barak drainage, Mizoram and Tripura. *Indian Journal of Environment & EcoPlanning*, 6(3) 473-480.
35. Rawat J S, **Laskar BA**, Taidong W (2012) Forest Fire Menace in Arunachal Pradesh, India. *Eco-Quest*, 1(4) 13-18.
36. **Laskar BA**, Bagra K, Roy S, Das DN (2010) Invasion of rainbow trout in Arunachal Pradesh. *Science and Culture*, 76 (1-2) 67-69.
37. **Laskar BA**, Roy S, Bagra K, Das DN (2010) Mehao Lake of Arunachal Pradesh: a biological treasure. *Science and Culture*, 76 (1-2) 59-61.
38. **Laskar BA**, Pujen A, Das DN and Nath P (2006) *Neolissocheilus hexagonolepis* (McClelland) or chocolate Mahseer; Conservation in Arunachal Pradesh, India. *Aquacult*, 7(1) 105-110.
39. **Laskar BA**, Pujen A (2004) *In-situ* conservation of chocolate mahseer (*Neolissocheilus hexagonolepis* McClelland) in Shally lake in Arunachal Pradesh, India. *Indian Journal of Environment & EcoPlanning*, 8(2) 527-528.
40. Kar D, **Laskar BA**, Nath D (2002) *Tor* species (Mahseer fish) in river Mat in Mizoram. *Aquacult*, 3(2) 229-234.
41. **Laskar BA** (2011) Traditional Beliefs Help Wildlife Conservation. *Science and Culture*, 77(5-6) 235.
42. Kar D, **Laskar BA**, Nath D, Mandal M, Lalsiamliana (2002) *Tor progenius* (McClelland) under threat in River Jatinga, Assam. *Science and Culture*, 68(7-8) 211.
43. **Laskar BA** (2011) Need of initiatives to develop mahseer-angling-tourism in Arunachal Pradesh. *The Arunachal Times*, (May 17&18).

Book chapters

44. Ghosh SK, Bhattacharjee M J,, Mahadani P,....., and **Laskar BA** (2011) DNA Barcoding: Digital Taxonomy of Bioresources. *Proceedings of the 20th conference of Society of Animal Physiologists*, 268-275.
45. Kar D, Dey SC, Mandal M, **Laskar BA** and Lalseamleana (2000) 0. Preliminary survey of the fish genetic resources of the rivers in Barak drainage, Mizoram and Tripura. *Proceedings of Lake 2000*, Sec. 2 Biodiversity paper 2.
46. **Laskar BA**, Das DN (2011) Pattern of micro distribution and physical habitat preferences of *Neolissochilus hexagonolepis* (McClelland) in the rivers in Arunachal Pradesh. *Biodiversity, Ecology and Conservation of Rivers and Streams of North East India* (Kosygin L Edited), Chapter 18: 254-270.
47. Rawat JS, **Laskar BA** (2011) Water resources in Arunachal Pradesh: an overview. *Biodiversity, Ecology and Conservation of Rivers and Streams of North East India* (Kosygin L Edited), Chapter 24: 350-361.
48. Das DN, **Laskar BA**, Sarma D, Tyagi BC (2010) Scope for Mountain Fishery based Eco-Tourism in Arunachal Pradesh: Potential and Recommendations. *Coldwater Fisheries Management* (Mahanta PC and Sarma D Edited), Chapter 26: 285-296.
49. **Laskar BA**, Das DN (2009) A note on fishery in the high altitude lake Mehao in Arunachal Pradesh. *Wetlands of North East India: Ecology, Aquatic Bioresources and Conservation* (Kosygin L Edited), 334–339.
50. Tyagi BC, **Laskar BA**, Ete G (2009) Studies on culture and seed production of chocolate Mahseer- *N. hexagonolepis*, in ponds in Arunachal Pradesh. *Fish and Fisheries in North East India: Recent Advances and Rebuilding* (Bhuyan RN, Ghosh D and Sarma D Edited), 37-53.
51. **Laskar BA**, Das DN (2009) A note on the morphometric, habitat and distribution of *Neolissochilus hexagonolepis* (McClelland) or chocolate Mahseer. *Fish and Fisheries in North East India: Recent Advances and Rebuilding* (Bhuyan RN, Ghosh D and Sarma D Edited), 152-163.

Seminar/ Conference (Oral Presentations):

- First International Conference of the Asian Society of Ichthyologists, University Sains Malaysia, February 24, 2014
- National Seminar on Environment, Biodiversity and Veda & Traditional System, organized by Department of Zoology, Mizoram University, Aizawl, during 10-12 April, 2012.
- National symposium on Coldwater Fisheries Management: New strategies and approaches, organized by Directorate of Coldwater Fisheries Research (ICAR) held at Eco-camp, Nameri National Park, Assam, during 2-4 October 2009.
- National Seminar on Recent Advances & Rebuilding of Fish and Fisheries in North East India, organized by the Dept. of Pisciculture, St. Anthony's College, Shillong, held on 22-23 August, 2007.
- Bio-future, organized by the Department of Life Science, Assam University, Silchar on 26th march 2006.
- National conference on Zoology- Vision for 21st century, held at the Department of Zoology Bangalore University on 28-31 December 2002, (Abstract No. 85): 78p.

Others

Contributions of Gene Sequences being an author for over 500 numbers of mtCOI & mtCytb on various faunal groups including major groups like Fishes, Turtles & Tortoises, Tabanids, Thrips, and others. These sequences are available online in NCBI database on <http://www.ncbi.nlm.nih.gov/nuccore/?term=Laskar+BA>

Thank you!

Boni Amin Laskar
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