

1. Name : **DR RUPAK NATH**
2. Designation : **Associate Professor**
3. Year of service : **17 years 3 months**
4. Department : Department of Fishery Science
St. Anthony's College, Shillong.
PIN: 793001.
5. Email Address : nathrupak10@gmail.com



A. Qualifications

Degree/ Certificate	Name of the Board/University	% of marks	Division	Subject
HSLC	SEBA, Assam	71%	1 st	
HS	AHSEC, Assam	63.1	1 st	Science
B.F.Sc	Assam Agricultural University, Jorhat, Assam	71.4%	1 st	Fisheries Science
M.F.SC	ICAR- Central Institute of Fisheries Education, Mumbai	78.5%	1 st	Inland Aquaculture
NET	ICAR- ASRB, New Delhi	-		Fish and Fisheries
PGDEE	Indian Institute of Ecology and Environment, New Delhi	66.2%	1 st	Ecology and Environment
PhD	Gauhati University, Guwahati			Fisheries (Department of Zoology)
DBM	Narsee Monjee Institute of Management Studies, Mumbai	60%	1 st	Business Management

B. PhD Degree

Degree	Title of Dissertation	Date of award	University
PhD	Fish and Fisheries of Meghalaya: Prospects and Problems	03/07/2017	Gauhati University Guwahati, Assam

6. **Project completed : 5** (3 major and 2 minor) funded by UGC, New Delhi, DBT-GOI and ICAR, New Delhi

Title	Year	Status	Sponsoring agency
Species and stock validation of Mahseer species of genus Tor and Neolissochilus from western and eastern Himalayan region of India for its propagation and conservation.	2020-2023	Complete	ICAR-DCFR, Bimal
Molecular and Genetic Characterization of selected important ornamental fishes of Ne India	2017-2020	Completed	DBT, GOI
Ichthyofauna diversity, Habitat assessment and Ecobiological studies of Important Himalayan Drainages of Meghalaya	2016-17	Completed	ICAR-DCFR, Bimal
Exploration and Breeding of Chocolate Mahseer in Shillong.	2012-2015	Completed	UGC, New Delhi
Study on traditional fishing techniques in Khasi and Jaintia hills of Meghalaya	2011-12	Completed	UGC-NERO, Guwahati

7. Award:

Award of ICAR Junior Fellowship for Pursuing M. F. Sc

8. Paper Publication: 21 (International and National Journal)

Sl no	Title	Year
1	Morphometric trait normalization, cluster analysis and molecular phylogenetic analysis in delimiting sympatric <i>Neolissochilus hexastichus</i> and <i>N. hexagonolepis</i> in Umngi River, Meghalaya (India), Journal of Environmental Biology (2024), 45 (6) 705-713 DOI: http://doi.org/10.22438/jeb/45/6/MRN-5337 M.A. Laskar*, D. Sarma, R. Nath , R. Kharbani, N. Shahi ⁴ , R.S. Haldar and P.A. Ganie	2024
2	Decoding the molecular phylogenetics of ornamental catfishes (siluriformes) of North East India using DNA barcoding approach, Molecular Biology Reports (2024) 51:528, https://doi.org/10.1007/s11033-024-09487-5 Grishma S. Patil ^{1,3} · Nevil Pinto ¹ · Rupak Nath ² · Mukunda Goswami ¹	2024
3	Molecular identification of ornamental loaches (Cypriniformes, Cobitoidei) of North East India using mitochondrial genes,, Animal gene Volume 26, September 2022 https://doi.org/10.1016/j.angen.2022.200136 Mukunda Goswami ^a , A. Pavan Kumar ^a , GrishmaS. Patil ^a , Trinica George ^a , Rupak Nath ^b , R.N.Bhuyan ^b , C. Siva ^c , M.A. Laskar ^b , Samson Sumer ^b	2022
4	Diversity, Distribution and Abundance of Fishes in River Umngi of Meghalaya, India, International Journal of Creative Research Thoughts Rickystar Kharbani, Rupak Nath , Shriparna Saxena	2022
5	The Complete mitochondrial genome of the medicinal fish, <i>Cyprinion semiplotum</i> : Insight into its structural features and phylogenetic implications, International Journal of Biological Macromolecules 164 (2020) 939-948, https://doi.org/10.1016/j.ijbiomac.2020.07.142 Aishwarya Sharma , C. Siva, Shahnawaz Ali, Prabhati Kumari Sahoo ^b , Rupak Nath , M.A. Laskar, Debajit Sarma ^a	2020
6	Distribution and conservation significance of few endemic and rare fishes with reference to Meghalaya, India, Uttar Pradesh Journal of Zoology , 41(7): 38-43, 2020 Rupak nath ^{1*} , M goswami ² , C. Siva ³ , R. N. Bhuyan ¹ , M. A. Laskar ¹ , S. M. Kharbuli ¹ , S. Sumer ¹ and Vanessa khyriem ¹	2020
7	Cyprinid Fishes: An Overview on the Present Status in Meghalaya, India, Spectrum: science and Technology , Vol.7 Rupak Nath and S.M. Kharbuli	2020
8	Effect of carotenoid in growth and colour enhancement in gold fish, <i>Carassius auratus</i> (L.) J. Exp. Zool. India Vol. 22, No. 2, pp. 765-771, 2019 W. Tiewsoh ¹ , Ekta Singh * ¹ , Rupak Nath ² , S. R. Surnar ³ and Akanksha Priyadarshini ¹	2019
9	A synopsis of the scientific information and utilization potential of the Assamese Kingfish, Journal of Entomology and Zoology Studies 2019; 7(3): 1463-1469 Aishwarya Sharma, Shahnawaz Ali, Prabhati Kumari Sahoo, Rupak Nath , Debajit Sarma and C Siva	2019
10	Integrated Aquaculture: Road ahead for sustainable rural development in Meghalaya, Spectrum: scienceand Technology, Vol.6, Rupak Nath , S.M. Kharbuli , R N Bhuyan	2019
11	Sport, Ornamental and Food fish of Meghalaya-Their Endemic status and Conservation, Fishing Chimes , 38(1&2),46-50 Rupak Nath	2018
12	Adoption of Scientific Fish Farming by the Fish farmers of Meghalaya: Spectrum: science and Technology , Vol.4	2017
13	Ichthyo faunal diversity of the Umngot River in Jaintia Hills of Meghalaya, Environment and Ecology , Volume34,Number4A 1927-1934 Rupak Nath , Dandadhar Sarma	2016
14	Present status, Threats and Conservation measures of Mahseer Resources in the Central Rivers of Meghalaya, SKUAST Journal of Research ,1891):32-40 Rupak Nath , Deepjyoti Baruah , Partha Das and Debajit Sarma	2016

15	Length-Weight relationship and condition factor of <i>Neolissochilus hexagonolepis</i> (McClelland) in Meghalaya, India: A comparative study, <i>International Journal of Fisheries and Aquatic Studies</i> . L jyrwa, R. N. Bhuyan, R Nath , 3(1):40-43	2015
16	Fish Marketing system in Meghalaya: A Study: <i>Spectrum: science and Technology</i> , Vol.2 Rupak Nath	2015
17	Piscicidal Plants of North East India: An Overview, <i>Environment and Ecology</i> , Volume 32, Number 4B D Bokolial and Rupak Nath	2014
18	Water Birds at Aquaculture Facilities of Assam: A Study, <i>Fishing Chimes</i> , 30(1), 114-116 Rupak Nath and R. N Bhuyan	2010
19	Fish Marketing in Assam, <i>Fishing Chimes</i> , 28(10/11), 28-30, Rupak Nath, K. Kalita and R. N Bhuyan	2009
20	Effect of Vibrio toxin on Haematology of <i>Clarias batrachus</i> (Linn) Rupak Nath and K. Pani. Prasad, <i>Journal of Eco Biology</i> : 19(2):101-104	2006
21	Effect of Vibrio toxin on Histopathology of <i>Clarias batrachus</i> (Linn) Rupak Nath and K. Pani. Prasad, <i>Environment and Ecology</i> , Volume 23 (1): 18-20	2005

9. Book Publication/ Book and Course manual edited

Book Publication Hand Book on ornamental Fishes of North East India (Narendra Publishing House, New Delhi) Rupak Nath and Mukunda Goswami	ISBN: 978:93-90309-23-8 2023
Traditional Fishing Techniques in Khasi and Jaintia Hills of Meghalaya (Geophil Publishing House, Guwahati) Rupak Nath, R N Bhuyan and I Warpakpa	ISBN-81-902023-6-3 2014
Distribution of Ornamental Fishes in River Basins of North East India (Department of Fishery Science, Shillong) Rupak Nath, Mukunda Goswami, R.N. Bhuyan, M.A Laskar and Samson Sumer	ISBN:978-81-910147-6-1 2020
Book Edited Fisheries and Aquaculture Research in North East India (Department of Fishery Science) R.N. Bhuyan, D Ghosh. S.M.Kharbuli and Rupak Nath	2017
Course Manual Edited Scientific Fish Farming in the Hilly Region S.M.Kharbuli, Rupak Nath , Evashisha Wanniang and Wanshaprang Tiewsoh Department of Fishery Science, St Anthony's College, Shillong	2021

10. Book Chapter:

Title of the topic	Name of the book
Guppy (<i>Poecilla reticulata</i>) a potential species for Biological control of Mosquito in North East Region B.C Borah, U.K. Baruah, R Nath , S. M. Hussain and Bipul K. Kakati	'Fish and Fisheries in North East India Recent Advances and Rebuilding' Eds: R. N. Bhuyan, D. Ghosh and D Sarma, Geophil Publishing House, Guwahati, 2009
Current status and strategies for sustainable development of fisheries sector in Meghalaya Rupak Nath	'Coldwater Fisheries Management' Eds: P.C Mahanta, Debajit Sarma Directorate of Coldwater Fisheries Research, 2010
Catching small fish using scoop net Sidol- A Semi smoked Fish Product of lower Assam	'Indigenous Technical Knowledge (ITK) In Fisheries of North East India' Eds: Arpita Sharma, Rupam Sharma, S.P. Shukla and Suresh Babu ICAR-CIFE, Mumbai, ISBN: 978-93-80469-80-9
Status and Potentiality of Fisheries Meghalaya: An	Frontier of Wetlands Fishers: Aquaculture and Research

Analysis R.N. Bhuyan & R. Nath	Eds: Devashish Kar & A.H. Barbhuiya Manglam Publications, Delhi (India),2013 ISBN 978-93-81142-99-8
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11. Resource person

Delivered lecture on Fish Diversity in North East India and its sustainable use on the occasion of National Wild life week organized by Department of Zoology & Department of Environment and Forest, Govt. of Meghalaya, in St Anthony's College, Shillong	2024 8th October
Presented paper in virtual mode in the International workshop on fisheries management and ecology: fostering knowledge exchange" held in Manipur University	7-9 th March, 2024
Resource person in Short Term Course on 'Scientific Fish Farming in the Hilly Region' organized by Fishery Science Department, St Anthony's College, Shillong	17 th April to 17 th May,2021
Presented paper in Consortia on 'Fish diseases' & 'Indigenous Ornamental Fish' for NERegion organized by DBT, GOI, at College of Fisheries, Agartala. Tripura	2016 12 th December
Presented Paper on Mahseer in India: Resources, Captive breeding, propagation, policies and issues' in a National Workshop organized by ICAR-Bhimtal, Uttarakhand at Khanapara, Guwahati	2014 22-23 rd December

12. Seminars/ conferences/ workshops organized

Sl no	Title of the seminar/Workshop	Designation
1	National seminar organized by Department of Fishery Science, St Anthony's College from 25 th -26 th August, 2015	Organizing secretary
2	National workshop organized by Department of Fishery Science held at St. Anthony's College, Shillong from 8 th &9 th November, 2016.	Organizing secretary
3	Students workshop on Taxonomical Tools for Fish Identification (Under DBT Twinning Project),14 th February 2020 Resource person: Prof. W Vishwanath	Organizing secretary
4	Short course on 'Scientific Fish Farming in the Hilly Region' 17 th April to 17 th May 2021	Course coordinator

13. Seminars/ conferences/ workshops/FDP attended

Sl no	Title of the seminar/Workshop	Year
1	Workshop 'Fisheries Conservation and Enhancement: Linking Researchers and Stakeholders' organized by ICAR-NBFGR, Lucknow held at Guwahati, 18 th -19 th December	2007
2	National Zoology Congress' Biodiversity and Human Welfare organized by Department of Zoology, Gauhati University at Guwahati, 29 th to 31 st December	2008
3	State level workshop on 'Strategy for harnessing fish production potentialities in flood affected areas of Assam organized by AAU Jorhat from 30 th -31 st August	2012
3	National workshop on 'Sustainable Utilization of Mountain Fishery Resources of Northeast Region, ICAR-DCFR, 24 th - 25 th March held at Guwahati	2012
4	Workshop on 'Biological Techniques and Tools organized by Department of Biotechnology and Biochemistry, St Anthony's College, Shillong on 19 th -26 th July	2013
5	National Workshop on 'Maintenance of Opto Analytical Instruments organized by Department of Chemistry, St Anthony's College, Shillong on 14 th -21 th September	2013
6	FDP on Research Capability Enhancement organized by Research Cell-IQAC, St Anthon's College, Shillong	2014
7	National Seminar on 'Innovative Strategies: A Roadmap for Upliftment of Teaching, Learning and Evaluation in Higher Education' 22 nd and 23 rd September held at St Mary's College, Shillong	2015
8	National Interactive meet on 'Mahseer in Recreational Fisheries and Eco- tourism in Northeast India organized by ICAR-DCFR from 1 st -2 nd October	2016
9	Workshop on 'Promotion of ornamental Fishes in the Northeastern Region of India	2016

	organized by Department of Zoology, Gauhati University on 17 th July	
10	Northeast Autumn school on Genetic Analyses of Complex Traits organized by St. Anthony's College, Shillong from 5 th -6 th September	2017
11	National Webinar on 'Mahseer Fisheries in Meghalaya: Strategies for Conservation & Propagation on 11 th June by ICAR-DCFR	2020
12	Virtual training programme on 'Bioinformatics analysis of Next Generation Sequence Data' organized by ICAR-CIFA, Bhubeshwar on 22 nd -25 th February	2022
13	Orientation and Sensitization programme under MM-TTP organized Malaviya Mission Training Centre, NEHU, Shillong from 19 th February to 28 th February	2024

14. Members of the committee

1	Member of Board of Studies in Fishery Science, NEHU, Shillong
2	Member of Moderation committee in Fishery Science, NEHU, Shillong
3	Associate Editor of the editorial committee Science journal 'Spectrum' published by St Anthony's College, Shillong
4	Members of the State Advisory Committee for the Project _Protection and Sustainable Management of Aquatic Resources in the North Eastern Himalayan region of India (NERAQ), Forest & Environment department, Govt. of Meghalaya
5	Member of 'Project Monitoring Committee' to monitor the project titled 'Greenhouse Aquaponic, Farming', with M/s Angel GreenAgro Products, Shillong, Meghalaya. North East Centre for Technology Application and Reach (NECTAR), DST

15. Guidance to M.F. Sc students

Year	No of students	Name of the student	Name of the Institution
2017	1	i) Rousell Lytan	Barkatlullah University, Bhopal
2018	1	ii) Rickystar Kharbani	Barkatlullah University, Bhopal
2019	2	i) Yangrobani Yanthan	Sri Dev Suman Uttarakhand University, Uttarakhand
		ii) Wanshaprang Tiewsoh	Sri Dev Suman Uttarakhand University, Uttarakhand
2020	3	i) Phibapyntngen Tang	Barkatlullah University, Bhopal
		ii) Sumanta Marry Talang	Barkatlullah University, Bhopal
		iii) Lahunlang Lyngwa	Barkatlullah University, Bhopal

16. i. External examiner for evaluation of M.F. Sc (FRM) thesis from Kerala University of Fisheries and ocean studies in the year 2019

ii. External examiner for evaluation of M.F. Sc (Aquaculture) thesis from College of Fisheries, Raha, AAU in 2020

iii. External examiner for evaluation of PhD thesis from the College of Fisheries, Raha, AAU in 2022