

**Name:** Dr. Dilip Nath  
**Designation:** Associate Professor  
**Branch:** Biology



**Educational Qualification(s):**

Qualification(s)	University
B.Sc(Zoology Hon's)	Assam University, Silchar
M.Sc (Life Science in Zoology)	Assam University, Silchar
Ph.D(Ecology and Environmental Science)	Assam University, Silchar,

**Experience in years:**

Academic: 17

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	The ICFAI University Tripura	Associate Professor	4/4/2023	Till date
2	SDDKB Mission College, Agartala	Principal	3/8/20022	3/3/4/2023
3	The ICFAI University Tripura	Assistant Professor	27/12/2021	2/8/2022
4	St. John College, Dimapur, Nagaland	Assistant Professor & HoD, Dept. of Zoology	15/02/ 2021	22/12/2021
5	Vedic Degree College, Sambalpur, Odisha	Assistant Professor, Dept. of Zoology	21/02/2019	28/10/2019
6	Holy Cross College,Agartala, Tripura	Assistant Professor, Dept. of Zoology & Environmental Science	01/09/2013	30/11/2018
7	Ramkrishna Mahavidyalaya, Kailashar, Tripura	Guest Lecturer, Dept. of Zoology	01/08/2012	30/06/2013
8	College of Fisheries,Central Agricultural University, Agartala, Tripura	Research Associate	18/06/2008	31/07/2013
9	Department of	Teaching Associate	1/7/2005	30/6/2008

	Ecology & Env. Sc, Assam University, Silchar			
10	NATP-ICAR, Assam University, Silchar	SRF	15/2/2003	6/6/2003

Industrial: 4

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	Environment Conservation Society (Switch ON), Kolkata	Senior Expert of Agriculture	1/7/2020	14/02/2021
2	Environment Conservation Society (Switch ON), Kolkata	Senior project manager	16/03/2020	30/06/2020
3	Krishi Vigyan Kendra, Dima Hasao, Haflong, Assam	Head-In-charge and YP-II	1/12/2018	10/09/2019
4	Trendsetters Skill Assessors Pvt. Ltd., Gurgaon, Hariyana	Assessor in Fishery, Apiary, Entomology under PMKVY, NSDC.	14/03/2017	30/04/2018

**Other Information:**

a) Publication details.

**BOOK PUBLISHED: 6**

1. **Nath, D.** and Ray, D.C. (2013). **Red Pumpkin Beetle: Study of Ecology and Biology in Assam.** LAP LAMBERT Academic Publishing, Heinric- Bocking Str. 6-8 66121 Saarbrucken, Germany, www.lap-publishing.com. ISBN: 978-3-659-43053-4.
2. Saha, R. K., **Nath, D.** and Saha, H. (2013). **Ancestral Knowledge in Agri- Allied Science.** New India Publishing Agency, New Delhi- 110034, India, www.nipabooks.com. ISBN: 978-93-83305-21-6.
3. Saha, R. K., **Nath, D.** and P. Goswami (2014). **Fish Based Farming System Activities at Dhalai, Tripura** College of Fisheries, Central Agricultural University, Lembucherra, Tripura, India.
4. Saha, R. K., **Nath, D.** and P. Goswami (2014). **Final Report National Agricultural Innovation Project: Fish Based Farming System in Dhalai District of Tripura.** College of Fisheries, Central Agricultural University, Lembucherra, Tripura, India.
5. Chakravarty, R. and **Nath, D.** (2016). **Socioscientific Issues on Biodiversity of NE Indian Hotspots.** Naya Pustak Mahal, Agartala, ISBN: 978-81-930980-9-7.

6. **Nath, D.** (2016). **VISEN 2015-16**. Horizon Books (A Division of Ignited Minds Edutech Pvt Ltd). www.horizonbooks.asia. ISBN-978-81-932901-3-2.

#### **RESEARCH PAPERS PUBLISHED: 22**

1. **Nath, D.** and Ray, D.C. (2006). Ecological studies of *Raphidopalpa foveicollis* (Lucas) (Coleoptera: Chrysomelidae) on *Cucumis sativus* L. Crop in Barak Valley of Assam. *National Journal of Life Sciences*, 3 (2): 101-107. ISSN: 0972- 995X.
2. **Nath, D.** and Ray, D.C. (2006). Population dynamics and bio-efficacy of *Raphidopalpa foveicollis* (Lucas) (Coleoptera: Chrysomelidae) on *Lagenaria vulgaris* Ser. in Barak Valley of Assam. *Indian J. Environment and Ecoplanning*, 12 (2): 297-303. ISSN: 0972- 1215.
3. **Nath, D.** and Ray, D.C. (2006). Plankton diversity in riverine ecosystem of South Assam and Tripura, India. *Journal of Current Sciences*. 9(2): 655-658. ISSN: 0972-6101.
4. **Nath, D.** and Ray, D.C. (2007). Evaluation of plankton diversity with their interrelationship in four river bodies of Mizoram NE India. *Environment and Ecology* .25S (4A): 1368- 1371. ISSN: 0970-0420.
5. Saha, R. K.; Dhanze, J. R. and **Nath, D.** (2010). Fish based farming system – a sustainable livelihood option in Dhalai District of Tripura. *CAU Research Newsletter* (1:1), pp. 34. ISSN: 2319-3042.
6. Saha, R. K. and **Nath, D.** (2010). Fish-Rice- Vegetable- Fruit Culture: An attempt for the livelihood improvement of rural farmers of Dhalai District of Tripura. *CAU Farm Magazine*. 1(2): 31-36. ISSN: 2279-0454.
7. Saha, R. K. and **Nath, D.** ( 2011). Impact of fish-fruit-vegetable-pig-spawn rearing system in livelihood improvement of the farmers in Dhalai district of Tripura. *CAU Research News* (2:1) pp.33. ISSN: 2319- 3042.
8. Saha, R. K. and **Nath, D.** (2012). Good practices for sustainable fish production with special reference to NE region. *CAU Farm Magazine*. 2(1): 14-17. ISSN: 2279-0454.
9. Saha, R. K. and **Nath, D.** (2012). Fish based farming system: Options and Opportunities in North Eastern States of India for livelihood improvement of rural farmers. *Sovenir, CAU Agriculture Fair-2012*. P. 1-9.
10. **Nath, D.** and Ray, D.C. (2012). Farmers' traditional belief in management of Red Pumpkin Beetle *Raphidopalpa (Aulacophora) foveicollis* (Lucas) in Cachar District, Assam, North- East India. *Indian Journal of Traditional Knowledge*. 11(2): 346- 350. ISSN: 0972- 5938.
11. Saha, R. K. and **Nath, D.** (2012). Fish-vegetable-fruit based farming system in Dhalai, Tripura. *In: Site Specific Farming System Options for Rural Livelihood- Success Stories from NEH Region, NAIP Bulletin No. 2.* (G. C. Munda, S. V. Nagachan, A. Das, S. Malngiang and S. Chowdhury Ed). 56-57.
12. Saha, R. K. and **Nath, D.** (2012). Fish-vegetable-fruit based farming system in Dhalai, Tripura. *In: Site Specific Farming System Options for Rural Livelihood- Success Stories from NEH Region, NAIP Bulletin No. 2.*( G. C. Munda, S. V. Nagachan, A. Das, S. Malngiang and S. Chowdhury Ed). 56-57.
13. Saha, R. K. and **Nath, D.** (2012). Fish-rice-vegetable-fruit based farming system in Dhalai, Tripura. *In: Site Specific Farming System Options for Rural Livelihood- Success Stories from NEH Region, NAIP Bulletin No. 2.*( G. C. Munda, S. V. Nagachan, A. Das, S. Malngiang and S. Chowdhury Ed). 58-59.
14. Saha, R. K. and **Nath, D.** (2012). Fish- fruit-vegetable-pig farming system in Dhalai District, Tripura. *In: Site Specific Farming System Options for Rural*

- Livelihood- Success Stories from NEH Region, NAIP Bulletin No. 2.*(G. C. Munda, S. V. Nagachan, A. Das, S. Malngiang and S. Chowdhury Ed). 60-61.
15. Saha, R. K. and **Nath, D.** (2012). Fish- fruit -vegetable- pig- fish spawn farming system in Dhalai, Tripura. In: *Site Specific Farming System Options for Rural Livelihood- Success Stories from NEH Region, NAIP Bulletin No. 2.*( G. C. Munda, S. V. Nagachan, A. Das, S. Malngiang and S. Chowdhury Ed). 62-63.
  16. Saha, R. K. and **Nath, D.** (2012). Fish breeding-sawn rearing-fruit based farming system in Dhalai, Tripura.. In: *Site Specific Farming System Options for Rural Livelihood- Success Stories from NEH Region, NAIP Bulletin No. 2.*( G. C. Munda, S. V. Nagachan, A. Das, S. Malngiang and S. Chowdhury Ed). 64-65.
  17. Saha, R. K. and **Nath, D.** (2013).Indigenous technical knowledge (ITK) of fish farmers at Dhalai district of Tripura, NE India. *Indian Journal of Traditional Knowledge* 12(1): 80- 84. ISSN: 0972- 5938. Impact factor: 0.232.
  18. **Nath, D.** and Saha, R. K. (2016). Location specific Fish Based Farming System in Dhalai District of Tripura for Proper Utilization of Agr-resources. *Journal of Advances in Science and Technology.* 11 (22): 1-8. ISSN: 2230-9659. Impact factor: 0.998.
  19. Nair, N; **Nath, D.;** Reang, S. and Pal, P. (2020). Management of pulse beetle, *Callosobruchus maculatus* (Chrysomelidae: Coleoptera) using local natural products in Tripura. *Journal of Entomology and Zoology Studies.* 8(6): 100-103.
  20. Nair,N., Pal, P. and **Nath, D.** (2020). Seasonal Incidence of Fruit Fly (*Zeugodacus tau*) in Cucurbit Ecosystem in Tripura. *Int.J.Curr.Microbiol.App.Sci.* 9(11): 971-977.
  21. **Nath, D.** (2021). Study of eatable aquatic invertebrates in the river Dhansiri, Dimapur, Nagaland, India, *International Journal of Animal and Veterinary Sciences.* 15(9): 89- 92.
  22. **Nath, D.** (2021). Theory behind the Adoption of Technology in Fish Based Farming System for Sustainable Agriculture. *Journal of Natural Remedies.* 22(1): 298-305.

#### **BOOK CHAPTER PUBLISHED: 10**

1. **Nath, D.** and Ray, D.C. (2012). Comparative study of periphyton diversity among river bodies of South Assam and Mizoram, NE India, In: *Innovations in Life Sciences* (L. Patro & M.C. Verma Ed.) Manglam Publishers & Distributors (Delhi, India), 317- 328.
2. **Nath, D.** and Ray, D.C. (2012). Biological study of Red Pumpkin Beetle *Raphidopalpa foveicollis*(Lucas) on Cucurbita maxima during three crop seasons in Cachar district of Assam. In: *Biodiversity: Researches in North East India.*p. 115- 127.
3. Saha, R. K. and **Nath, D.** (2013). Success of knowledge transfer through fish base technology adoption under NAIP in Dhalai district of Tripura. In: *Information and knowledge management tools, techniques and practices era.* (A. K. Roy Ed.). New India Publishing Agency, New Delhi. ISBN: 978-93-81450-62-8. Chapter: 27: pp. 527-557.
4. Saha, R. K. and **Nath, D.** (2013). Economics of Location Specific Models of Fish Based Farming Systems for NE Region. In: *Hill Area Aquaculture.* (M.P. Singh and R. K. Saha Ed.). DEE, CAU, Imphal, India. ISBN: 978-81-924530-4-0. Chapter 17: pp 215- 228.
5. Saha, R. K., **Nath, D.** and Saha, H. (2014). An Overview of Indigenous TYechnical Knowledge in Relation to Agri-allied Sector. In: *Ancestral Knowledge in Agri- Allied Science* (R. K. Saha, **D. Nath** and H. saha Ed.). New India Publishing Agency, New Delhi. ISBN: 978-93-83305-21-6. Chapter: 27: pp. 527-557. Chapter 1: pp 1-21.

6. Firake, D. M., Firake, P. D., Behere, G. T., Azad Thakur, N. S. and **Nath, D.** (2014). Indigenous Technical Knowledge for the Management of Major Pests of Field Crops in North East India. *In: Ancestral Knowledge in Agri- Allied Science* (R. K. Saha, **D. Nath** and H. saha Ed.). New India Publishing Agency, New Delhi. ISBN: 978-93- 83305-21-6. Chapter: 27: pp. 527-557. Chapter 4: pp 61-71.
7. Firake, D. M., Firake, P. D., Behere, G. T., Azad Thakur, N. S. and **Nath, D.** (2014). Traditional Practices for the Management of Major Pests of Horticultural Crops and Stored Produce in North East India. *In: Ancestral Knowledge in Agri- Allied Science* (R. K. Saha, **D. Nath** and H. saha Ed.). New India Publishing Agency, New Delhi. ISBN: 978-93-83305-21-6. Chapter: 27: pp. 527-557. Chapter 5: pp 73-83.
8. **Nath, D.** (2014). Traditional Pest Management Practices in Multicultural Societies for Sustainable Agriculture in Unakoti District of Tripura, Excel India Publishers, New Delhi. ISBN: 978-93-83842-60-5.
9. **Nath, D.** (2020). Fish, livestock, horticulture intercropping makes for profitable farming., *In: The Vision of Antyodaya, Documentation & Compilation of the Best Practices of Sustainable Development As Propounded by Pandit Deendayal Upadhyaya Volume 2 - Agriculture, Handicrafts & Livelihood* (Santosh Gupta Ed.). Ministry of Culture, Government of India, Indian Social Responsibility Network (ISRN), New Delhi- 110049. Pp.192- 193.
10. **Nath, D.** (2021). Nath's C4 equation: New concept of Teaching Learning Process. *In: Engaging Learners in the Twenty First Century* (Sanjayan T.S. Ed). Taran Publications, New Delhi. ISBN: 978-81-953392-66 (in Press).

(b) Details of Seminar/Workshop/Conference.

**NATIONAL/INTERNATIONAL SEMINARS/SYMMYPOSIUM ATTENDED: 25**

**PAPER PRESENTED : 21**

1. Ecological studies of *Raphidopalpa foveicollis* (Lucas) (Coleoptera: Chrysomelidae) on *Cucumis sativus* L. Crop in Barak Valley of Assam , National Congress of Entomology, held in Punjabi University, Patiala, Department of Zoology, on March 15-17, 2006.
2. Population dynamics and bio-efficacy of *Raphidopalpa foveicollis* (Lucas) (Coleoptera: Chrysomelidae) on *Lagenaria vulgaris* Ser. in Barak Valley of Assam, National Seminar on "Biodiversity Conservation: The Post- Rio Scenario In India" held in Assam University, organized by the Department of Ecology and Environmental Science, on 19- 21 April, 2006.
3. Plankton diversity in riverine ecosystem of South Assam and Tripura, International Conference on "Biodiversity: Issues & Concerns", Biological Sciences Division, Indian Statistical Institute, Kolkata, November 21-23, 2007.
4. Evaluation of plankton diversity with their interrelationship in four river bodies of Mizoram NE India, National Symposium on "Advances in Zoology: Faunal Diversity and Ecophysiology", Department of Zoology, North- Eastern Hill University, Shillong, March 13-14, 2008.
5. Training on fish based farming system is an opportunity to enhance the production of agri-allied sector in Dhalai district of Tripura , International Conference on "Agricultural Education and Knowledge Management", IGNOU, Agartala, Tripura, August 24-26, 2010.
6. Fish- Fruit-Vegetable- Pig System is a unique Model for the Livelihood Improvement of the Poor Farmers of Dhalai District, Tripura, 1st Tripura Science Congress, Tripura State Council for Science & Technology, Govt. of Tripura, September 8-9, 2011.

7. Fish Spawn rearing: A new intervention to enrich the rural aquaculture practice in Dhalai District of Tripura, India, 1st Tripura Science Congress, Tripura State Council for Science & Technology, Govt. of Tripura, September 8-9, 2011.
8. Fish based farming system – a sustainable livelihood option in Dhalai District of Tripura, National Seminar on “Livelihood options for small and marginal farmers in fragile ecosystem, ICAR research Complex for NEH Region, Umiam, Meghalaya, August 9- 10, 2012.
9. Traditional Pest Management Practices in Multicultural Societies for Sustainable Agriculture in Unakoti District of Tripura, National Seminar on “Issues and Trends of Governance in Multicultural Societies”, Dept. of Pol. Sc., Holy Cross College, Agartala, November 16-17, 2013.
10. Management of Red Pumpkin Beetle, *Aulacophora (Raphidopalpa) foveicollis* (Lucas) Through Traditional Methods in Cachar District of Assam, National Seminar on “Biodiversity in North East Indian Hotspot: Science and Society Perspectives”, Dept. of Zoology, Holy Cross College, Agartala, February 7-8, 2015.
11. Development of Fish based Farming System in Dhalai District of Tripura: Its Scope and Economics, National Seminar on “Biodiversity in North East Indian Hotspot: Science and Society Perspectives”, Dept. of Zoology, Holy Cross College, Agartala, February 7-8, 2015.
12. Commercialization of Field products of Fish based Farming System in Dhalai District of Tripura , National Seminar on “Hill Agriculture in Changing Climate”, Indian Association of Hill Farming (IAHF) & ICAR Research Complex for NEH Region, Umiam, December 5-7, 2015.
13. Traditional Knowledge based Management Practices on Cucurbit Pests in Unakoti District of Tripura, National Seminar on “Hill Agriculture in Changing Climate”, Indian Association of Hill Farming (IAHF) & ICAR Research Complex for NEH Region, Umiam, December 5-7, 2015.
14. Comparative study of Fish based Farming System in Dhalai district of Tripura: A Case study, National Seminar on “Fisheries and Aquaculture: Livelihood Security, Sustainability and Conservation, NorthEast Society for Fisheries and Aquaculture and College of Fisheries (CAU) Agartala, Tripura, January 21-22, 2016
15. Capacity Building of the Fish Farmers of Dhalai District of Tripura: An Approach to Improve the Livelihood, National Seminar on “Fisheries and Aquaculture: Livelihood Security, Sustainability and Conservation”, NorthEast Society for Fisheries and Aquaculture and College of Fisheries (CAU) Agartala, Tripura, January 21- 22, 2016.
16. Study of eatable aquatic invertebrates in the river Dhansiri, Dimapur, Nagaland, India, “23th International Conference on Zoology and Veterinary Science”, International Scientific Committee ICZVS 2021 Barcelona, Spain, 10-11June, 2021.
17. New strategies for the Teaching Learning process in respect to COVID Pandemic. National Webinar on “Holistic Development of Learners in the Current Context: Role of Educators”. St. Joseph’s College (Autonomous), Jakhama, Kohima, Nagaland, 6th -7th July, 2021.
18. Theory behind the Adoption of Technology in Fish Based Farming System for Sustainable Agriculture. The Progress International Conference II on “Sustainable Asia’s Problems & Prospects” organized by ISBM University, Raipur & The Progress, 2nd August, 2021.
19. Capacity Building and Technical Assistance in the MSME Sector. “MSME Sector on NE Region, Issues, Challenges and Way forward” organised by NIRDPR NERC, India, 10th January 2022.
20. Identification of Insect-Pests, Invasive of Crops and their Biocontrol in North-East Region of India. “National Workshop IDENTIFICATION OF INSECT-PESTS, INVASIVE OF CROPS

AND THEIR BIOCONTROL” Organized by DIRECTORATE OF EXTENSION EDUCATION CAU, IMPHAL, MANIPUR, March 02-04, 2022.

21. Renewable energy for sustainable development in India. “National Seminar on “Recent Trends in Advancement of Research in Sustainable Energy (RTARSE-2022)” organised by the Department of Physics, Govt. Degree College, Dharmanagar, Tripura, 31st March, 2022.

**WORKSHOPS ATTENDED: 8**

1. Statistical and Computing Methods for Life Science Data Analysis - organized by the Biological Anthropology Unit, Indian Statistical Institute, Kolkata, from 16-22 November 2004 at Assam University, Silchar.

2. Seminar Cum- Workshop on Non-Conventional Energy Sources, Sourya Shakti Ek Pramukh Sambhabana, on April 28-29, 2006, organized by the Environmental Society of South Assam, Silchar.

3. Partnership for Peace and Progress against Calamities and Chaos: Canadian and Perspective, on May 1-4, 2006, organized by Assam University, Silchar.

4. Techniques in Biological Sciences organized under UGC-SAP, Department of Life Science, Assam University, Silchar from 25th - 29th February, 2008.

5. Traditional Healing Practices in Tripura jointly organized by Department of Botany, Tripura University & North Eastern Institute of Folk Medicine, Department of AYUSH, Ministry of Health & Family Welfare, Pashighat, Arunchal Pradesh on 8th December, 2008.

6. “Feed Based Aquaculture in North-East Region: Status, Constraints and Potential”- organized by Central Institute of Fisheries Education, ICAR, Mumbai and College of Fisheries, CAU, Agartala on January 11-12, 2013.

7. “DNA Bar-Coding: A Challenge to Linnaeus Classification”- Online Workshop Organized by CytoGeneResearch & Development, Lucknow on 22nd & 23rd of May, 2021.

8. One Day Online Workshop on Mapping Labour & Employment Issues in North East India organised by the Centre for North East India, the V. V. Giri National Labour Institute on March 30, 2022.

(c). Professional membership of reputed bodies if any.

**Court Member:**

➤ Visitor’s Nominee in the University Court of NEHU, Shillong, Meghalaya

**Life Member**

➤ North East Society for Fisheries and Aquaculture (India).

➤ Indian Association of Hill Farming (IAHF).

➤ Institute of Scholars (InSc).

**Member**

➤ Entomological Society of India.

➤ Professional member of Ignited Minds Professional & Academic Research Consortium (IMPARC).

➤ North-East Homoeopathic Association.

➤ Member of UNESCO “UNEVOC Community”.

➤ Professional member of Institute of Scholars (InSc).

**Former Founder Managing Trustee**

➤ Vivekananda Seva Nyas (VISEN), Tripura, A charitable Trust