

Dr. Ritwik Mondal

M.Sc. (B.H.U.), Ph.D. (H.N.B.G.U.)
Assistant Professor

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- **Mailing Address** : Department of Zoology, University of North Bengal, P.O. NBU, Dist- Darjeeling, West Bengal, India, Pin -734013.

Subject specialization : Fish Biology and Vector Biology

Areas of Research Interest: Fish Biology, Vector Biology and Geometric Based Morphometric

No. of Ph.D. students : (a) Supervised: NIL (b) Ongoing: NIL

No. of M.Phil. Students : (a) Supervised: NIL (b) Ongoing: NIL

No. of Publications : (a) Journal(s): 15 (b) Book(s): 00
(c) Book Chapter(s): 04

Achievement & Awards : G.A.T.E. (2012) & C.S.I.R. -NET (2015 -June)

- **Worked in CSIR Sponsored Project as both JRF** (23.07.2012 to 22.07.14) **and SRF** (23.07.2014 to 22.07.2015).
- **YOUNG SCIENTIST AWARD** in the 8th Uttarakhand State Science Congress in Category -1, Oral on 26-28th Dec., 2013 at Doon University, Dehradun.
- **2nd position in Cat P-3 (Poster)** in SBS (PG) Institute, Balawala, Dehradun, National Symposium on “Perspectives on research in science and health care” held on 29th-30th Jan., 2016
- **YOUNG SCIENTIST AWARD (Oral)** in D.A.V. (P.G.) College, Dehradun. National seminar on “Environmental health vis-à-vis human welfare in present scenario” held on 18th-19th April, 2016.
- **YOUNG SCIENTIST AWARD** by Society of Medical Arthropodology (SOMA) in 2021.

Professional Experiences:

- Assistant Professor in Post-Graduate Department (Zoology) In ALPINE GROUP OF INSTITUTES, Nanda Ki Chowki, Premnagar, Dehradun-248007 from August 2016 to July 2017.
- Assistant Professor, Department of Zoology, University of North Bengal, Raja Rammohunpur, District Darjeeling – 734 013 (July, 2017 onwards).

Administrative Experiences: Joint in Charge of Fisheries Research and Training Centre (FRTC), NBU

Members of Professional Bodies: Member of PG board of studies (NBU, DGC);
Member of BRS

Any other information: Successfully conducted as capacity of Joint Secretary two workshops held in Fisheries Research and Training Centre (FRTC), NBU at 2nd -3rd Feb, 2019 and 22nd -23rd Feb 2020 respectively.

Act as Regional Representative in-charge, SOMA, Regional Office, North East India (Ex-officio) from 6th Feb. 2021 onwards

For other details please visit [Research Gate](#) or [Linkedln](#)

List of Publications:

- **In Journals:**

1. **Mondal, R.,** Devi, N.P. and Bhattacharya, S. **(2021):** Seasonal Prevalence and Host Preference of Some Medically Important *Aedes* Species of Doon Valley, India. **J. Commun. Dis. 53 (3): 96-103.**
2. Singh, A.P., De, K., Mahajan, S., **Mondal, R.** and Uniyal, V.P. **(2019):** Observations on nesting activity, life cycle, and brood ball morphometry of the Bordered Dung Beetle *Oniticellus cinctus* (Fabricius, 1775) (Coleoptera: Scarabaeidae) under laboratory conditions. **J. Threatened Taxa 11(9): 14137-14143.**
3. **Mondal, R.,** Devi, N.P. and Jauhari, R.K. **(2018):** Studies on the survivorship of *Aedes albopictus* (Diptera: Culicidae) *in vitro* in differentiated breeding water from some parts of district Dehradun, Uttarakhand **J. Commun. Dis. 50 (3): 46-51.**

4. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2018): Dengue fever incidences and meteorological variables in Dehradun city (Uttarakhand), India: Temporal analysis. **J. Exp. Zool. India** **21(2): 985-989.**
5. Singh, A.P., Mahajan, S. and **Mondal, R.** (2017): Comparative study of temperature dependent development of final instars larvae of *Danus chrysippus* and *Junonia iphita* at room temperature. **Flora and Fauna** **23(2):391-403.**
6. Singh, A.P., Mahajan, S., Uniyal, V.P. and **Mondal, R.** (2017): First report on Scarabaeid (Coleoptera) Fauna of Sahaspur, Uttarakhand. **Journal of Ent. And Zool. Studies** **5(6): 17-22.**
7. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2017): Comparison of larvicidal efficiency among commercially available essential oils and chemical insecticides on mosquito larvae. **Ann. Entomol.**, **35 (01): 21-26.**
8. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2017): Mark-release recapture (MRR) study to determine the dispersal of *Aedes aegypti* and *Aedes albopictus* in Dehradun city, Uttarakhand. **J. Commun. Dis.** **49(3): 42-48.**
9. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2016): Studies on symptomatic profiles of Dengue fever (DF) vis-à-vis Non Dengue fever (NDF) in district Dehradun, Uttarakhand. **J. Commun. Dis.** **48(4): 15-20.**
10. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2016): Bacterial isolates found in breeding habitats of mosquitoes in Dehradun city, Uttarakhand. **J. Adv. Res. Micro Biol.** **1(1&2):1-7.**
11. Maurya, G.K., Malick, C., **Mondal, R.** and Gambhir, L. (2016): Study of acute toxicity of inorganic fertilizer NPK (15:15:15) on cat fish, *Heteropneustes fossilis*. **Int. J. Appl. Biol. and Pharm. Tech.** **7(2): 243-253.**
12. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2015): Bacterial characterization in natural breeding habitats of *Aedes* mosquitoes and their role on ovipositional response. **International J. of Mosquito Research.** **2(3): 175-181.**
13. **Mondal, R.**, Devi, N.P. and Jauhari, R.K. (2015): Landmark based geometric morphometry analysis of wing shape among certain species of

Aedes mosquitoes in district Dehradun (Uttarakhand). **J. Vector Borne Dis. 52:122-128.**

14. Devi, N.P., **Mondal, R.** and Jauhari, R.K. (2014): Physico-chemical assessment of natural breeding habitats of mosquito larvae in outskirts of Dehradun city, Uttarakhand. **J. of Commun. Disease. 46(3): 29-39.**
15. Devi, N.P., Jauhari, R.K. and **Mondal, R.** (2013): Ovitrap surveillance of *Aedes* mosquitoes (Diptera: Culicidae) in selected areas of Dehradun district, Uttarakhand, India. **Global J. Med. Res. 13(5): 52-57.**

• **Books Chapter:**

1. **Mondal, R.** and Devi, N.P. (2019): A cross-sectional community based KAP survey on Dengue fever at Sahaspur block of Dehradun District, Uttarakhand. **Kaleidoscope, AAnk-A creative Line. 233-242.**
2. **Mondal, R.,** Jauhari, R.K., Devi, N.P., Saran, S. and Kumar, A.S. (2019): A reappraisal on factors of Vector-borne Diseases (VBDs) in Uttarakhand, India. **Chapter- 21. Springer Nature Singapore Pvt. Ltd.**
3. **Mondal, R.,** Devi, N.P. and Jauhari, R.K. (2016): An innovative way to control immature mosquitoes through quantified water feeding efficiency of dragon fly nymph-*Braddynopyga geminate*. **Environmental Health, Eds. Sunil Kumar et al., Published by ABS Books, Delhi. 105-112.**
4. **Mondal, R.,** Devi, N.P. and Jauhari, R.K. (2014): Occurrence of *Aedes* mosquitoes (Diptera: Culicidae) in urban areas of Doon Valley (Uttarakhand). **Modern Parasitology, Eds. Neelima Gupta and D.K. Gupta, Narendra Publishing House, Delhi. 255-262.**

• **Selected conference papers:**

1. Syed Afrin Azmi, **Ritwik Mondal:** Studies on the incidence pattern of malaria in Purba Bardhaman district, West Bengal, India. In *14th SOMA International Conference of Medical Arthropodology (Online 27th Nov., 2021)*
2. **Ritwik Mondal,** N. Pemola Devi and R.K. Jauhari: Studies on the experimental survivorship of *Aedes* sp. in differentiated breeding water collected from district Dehradun, Uttarakhand. In *11th Uttarakhand State Science Congress, Dehradun (02-04th Mar., 2017).*

3. **Ritwik Mondal**, N. Pemola Devi and R.K. Jauhari: An innovative way to control immature mosquitoes through quantified water feeding efficiency of dragon fly nymph-*Braddynopyga geminate*. In *National seminar on 'Environmental health vis-à-vis human welfare in present scenario' in D.A.V. (P.G.) College, Dehradun (18-19th Apr., 2016)*.
4. **Ritwik Mondal**, N. Pemola Devi and R.K. Jauhari: Mark-release recapture to determine the dispersal of *Aedes aegypti* and *Aedes albopictus* in Dehradun city, Uttarakhand. In *10th Uttarakhand State Science Congress, Dehradun (10-12th Feb., 2016)*.
5. **Ritwik Mondal**, N. Pemola Devi and R.K. Jauhari: Characterization of mosquitocidal activity of bacteria isolated from soils of Dehradun city, Uttarakhand, India. In *National Symposium on "Perspectives on research in science and health care", S.B.S. (P.G.) Institute, Balawala, Dehradun (29-30th Jan., 2016)*.
6. **Ritwik Mondal**, N. Pemola Devi and R.K. Jauhari: Effects of salinity and pH on survival of mosquito larvae. In *National conference on Monitoring and Management of Drinking water quality (MMDWQ, Vigyan Dham, Dehradun (21-23rd Dec., 2015)*.
7. **Ritwik Mondal**, N. Pemola Devi and R.K. Jauhari: Landmark based geometric morphometry analysis of wing shape among certain species of *Aedes* mosquitoes in district Dehradun (Uttarakhand). In *9th Uttarakhand State Science Congress, Dehradun (26-28th Feb., 2015)*.
8. N. Pemola Devi, R.K. Jauhari and **Ritwik Mondal**: Ovitrap surveillance of *Aedes* mosquitoes (Diptera: Culicidae) in selected areas of Dehradun district, Uttarakhand, India. In *8th Uttarakhand State Science Congress, Dehradun (26-28th Dec., 2013)*.
9. **Ritwik Mondal**, N. Pemola Devi and R.K. Jauhari: Occurrence of *Aedes* mosquitoes (Diptera: Culicidae) in urban areas of Doon Valley (Uttarakhand). In *Int. Conf. on Recent trends in Climate change Researches vis-à-vis Biodiversity, Bareilly (3-4th Dec., 2012)*.

- **Seminars:**

1. International Seminar entitled "Our genes and genomes-past, present and future at I.C.F.R.E. Auditorium, Dehradun on 04th Feb 2015.

- **Trainings/Workshops:**

1. Hands in training in Pharmaceutical Sciences at *National Symposium on "Perspectives on research in science and health care", S.B.S. (PG) Institute, Balawala, Dehradun* on 29-30th Jan., 2016.
2. National training workshop on fauna of Shivalik Ecosystem (Uttarakhand) and the application of GIS in conservation of fauna at *ZSI (NRC) and IIRS, Dehradun* on 20-24th Jul;2015.
3. Workshop on application of Remote Sensing and GIS in water resource management at *Doon University, Dehradun* on 4-5th Jun; 2014.
4. Training workshop on instruments maintenance and safety in laboratory at *Deen Dayal Upadhyay Auditorium, D.A.V. (P.G.) College, Dehradun* on 30th Sep; 2012.