

Curriculum Vitae

Personal Profile



Dr. Hiren Gogoi

Assistant Professor, Department of Zoology,
Rajiv Gandhi University,
Rono Hills, Doimukh-791112, Arunachal Pradesh

Email: hirengogoi2007@yahoo.co.in

hiren.gogoi@rgu.ac.in

Contact no.: +91 9957285547

Educational Profile

Ph.D.	Dibrugarh University, Dibrugarh-786004, Assam, India; Year of award: 2013 Supervisor: Prof. (Mrs.) Dipsikha Bora
M.Sc.	Gauhati University, Guwahati 781014, Assam, India; Year of award: 2006 Subject: Zoology Specialization: Entomology
B.Sc.	Dibrugarh University, Dibrugarh-786004; Year of award: 2003 Subject: Zoology
SET	State Eligibility Test (North East), 2009

Professional Experience

1. Assistant Professor of Zoology, Rajiv Gandhi University, Arunachal Pradesh (July 09, 2013-continued),
Teacher In-Charge, Entomology Specialization, Dept. of Zoology, Rajiv Gandhi University
2. Assistant Professor of Zoology, Silapathar Science College, Assam (June, 2006 – June, 2013)

Research Interest

Insect diversity in Arunachal Pradesh with emphasis on honey bees, wild bees, wild silkworms and their sustainable utilization for economic empowerment of local communities.

Research Publications

1. Patir J., Boruah B.B., Umbrey C., Tacha K., Taid R., Das A.P., **Gogoi H.** 2023. Choice of forage plants by the giant honey bee *Apis laboriosa* Smith in a captive condition outside their

- native geographic range. Journal of Apicultural Research. <https://doi.org/10.1080/00218839.2023.2216911>
2. Riso N., Umbrey C., Karmakar A., **Gogoi H.**, Mize D., Williams P.H. (2023) Bumblebee habitats as a part of sustainable ecotourism: Analysis from regional distribution in Arunachal Himalaya, India. Journal of Bioresource 2(2): 35-45
 3. **Gogoi H.**, Taid R., Boruah B.B., Umbrey C., Ete G. (2023) Response of foragers of giant Himalayan honey bee *Apis laboriosa* to microclimates in agro-net and climate control greenhouse. Journal of Apicultural Research 62(3), 607–614
 4. Taba, M., **Gogoi, H.** (2022) Structure of the silk gland of Eri silkworm *Samia cynthia ricini* Boisd. and its secreted proteins. International Journal of Tropical Insect Science. 42(2), 1649–1663
 5. Umbrey C., Riso N., **Gogoi H.** (2021) Report on *Colletes packeri* Kuhlmann and Proshchalykin from India after records from Thailand and Laos. Journal of Bioresources 8(1): 92-95
 6. Sharbidre A., Sargar S., **Gogoi H.**, Patil R. (2020) Characterization of chitin content extracted from edible insect, *Coridius nepalensis* (Westwood, 1837) (Hemiptera: Dinidoridae). International Journal of Tropical Insect Science. 41(2), 1893–1900
 7. Sharbidre A., Sargar S., **Gogoi H.**, Ambre V., Honawale P., Patil R. (2020) Therapeutic potential of stink bug *Coridius nepalensis* (Westwood) (Hemiptera: Dinidoridae): An *in vitro* study. Journal of Bioresources 7(2): 60 - 70
 8. Taba M. and **Gogoi H.** (2019) Report on wild eri silkworm *Samia canningii* Hutton (Lepidoptera: Saturniidae) from Arunachal Pradesh, India. National Academy Science Letters 42(2): 147-150.
 9. **Gogoi H.**, Tayeng M. and Meth T. (2019) Pan-Himalayan high altitude endemic cliff bee, *Apis laboriosa* Smith (Hymenoptera: Apidae): A review. Proceedings of the Zoological Society. 72(1): 3-12.
 10. Tayeng, M. and **Gogoi, H.** (2018) Insect pollinators of crops and fruits in Arunachal Pradesh, Eastern Himalaya: Rich diversity in flowers with yellow anther. Proceedings of the Zoological Society. 71(1): 56-62
 11. **Gogoi H.**, Umbrey C., Taba M., Badak M., Riso N. (2018) Honey bees in Eastern Arunachal Himalaya: Colony status, comparison of pH and protein profile (1D SDS) of honey produced. Journal of Bioresources. 5(2): 58-64.
 12. **Gogoi H.**, Lego O., Tayeng M., Meth T. (2017) A report on insect community and their habitat association in Daying Ering memorial wildlife sanctuary, Arunachal Pradesh. National Academy Science Letters 40(4):257–266.
 13. **Gogoi, H.**, Moyong, B., Sonia, K., Umbrey, C. (2017) Species of Tari in Arunachal Pradesh: Morphology, ecology and toxicity of entomophagy. Journal of Bioresources 4(2): 50-57.
 14. **Gogoi, H.**, Wangno, W., Khimhun, C., Rabha, M., and Tayeng, M. (2017). Insect pests and associated natural enemies in farming ecosystems of Arunachal Pradesh. Journal of Bioresources 4(1): 41-48.
 15. **Gogoi, H.** and Tayeng, M. (2016) A scientific note on insect anthophiles and ridge gourd [*Luffa acutangula* (Roxb.) L.] pollination. National Academy Science Letters. 39(5): 327-331.
 16. Tayeng, M. and **Gogoi, H.** (2016) A report on coleopteran species composition in Rono-Hills, Arunachal Pradesh with perspective on ecological and economic aspects. Journal of Bioresources 3(1): 72-79.
 17. Taba, M. and **Gogoi, H.** (2016) Rearing of Eri silkworm (*Samia cynthia ricini* Boisd.) (Lepidoptera: Saturniidae) in Arunachal Pradesh: A study in Papumpare district. 3(1): 46-52.
 18. **Gogoi, H.**, Meth, T. and Tayeng, M. (2015). Preliminary survey on insects and spiders from Papumpare and East Kameng district, Arunachal Pradesh with commercial and economic value. Journal of Bioresources 2(1): 33-39.

19. **Gogoi, H.**, Borah, G., Habung T. and Wangsa, K. (2014) A field survey of the silk moths (Lepidoptera: Saturniidae) in West Siang district, Arunachal Pradesh and threats to their population. *Journal of Bioresources*. 1(1): 16-24
20. **Gogoi H.**, Borah G., Indu H., Habung T. (2014) Moths of Arunachal Pradesh: A preliminary report. *Bulletin of Life Sciences*, XX: 16-28
21. **Gogoi, H.** and Bora, D. S. (2013) High yielding rice cultivars, high rainfall and high humidity favour *Nymphula depunctalis* to reach major pest status: A study in Dhemaji district, Assam. *Natl. Acad. Sci. Lett.*, 36: 469-475, DOI 10.1007/s40009-013-0159-6
22. **Gogoi, H.** and Bora, D. S. (2012) Bio-efficacy potential of some ethnically important plants against *Nymphula depunctalis* Guenée (Lepidoptera: Pyralidae) larvae with special reference to *Calotropis procera* and *Zanthoxylum nitidum*. *Natl. Acad. Sci. Lett.* 35(3): 169-175, DOI: 10.007/s40009-012-0030-1
23. **Gogoi, H.** and Bora, D.S. (2012) Spatial distribution of *Nymphula depunctalis* Guenee larvae (Lepidoptera: Pyralidae), an early vegetative pest of *Oryza sativa* L. *Academic Journal of Entomology* 5 (1): 41-46

Book/Book Chapter published

1. Bora, D.S., Khanikor B. and **Gogoi, H.** (2012) Plant based pesticides: Green environment with special reference to silkworms, In: *Pesticides- Advances in chemical and botanical pesticides*; Edt. R.P. Soundaranjan; In Tech, University Campus, STeP RI, Croatia, pp. 171-206.

Research guidance

1. Number of research scholars awarded with M.Phil. Degree : 01 (One)
2. Number of research scholars awarded with Ph.D. Degree : 04 (Four)
3. Number of research scholars registered for Ph.D. : 03 (Three)

Ph.D. awards to scholars:

S. No.	Name of the research scholar	Title of the thesis	Date of registration	Date of award
1.	Taba Meth	Study on histological and biochemical profile of the silk gland of Eri silkworm (<i>Samia cynthia ricini</i> Boisd.) reared on its primary larval food plants-Castor and Keseru	06.04.2017	23.02.2023
2.	Nyabin Riso	Quantitative assessment and mapping of the diversity of bees of Apidae family in northeast India	28.03.2019	25.01.2023
3.	Ruby Taid	Foraging ecology of high altitude Himalayan cliff bee <i>Apis laboriosa</i> Smith, 1871 in high altitudinal regions of Arunachal Pradesh and it's influence on honey quality	23.08.2019	20.11.2023
4.	Chihi Umbrey	Measuring and mapping diversity pattern of non-Apidae bees in northeast India	19.02.2020	27.07.2023

M.Phil. award to scholars:

S. No.	Name of the research scholar	Title of the Dissertation	Year of award
1.	Taba Meth	Ericulture in Papum Pare district, Arunachal Pradesh and Arunachal ecotype of <i>Samia cynthia ricini</i> Boisd. and <i>S. canningii</i> Hutt. (Lepidoptera: Saturniidae)	2016

Research Funding**Ongoing Research Projects**

S. No.	Title	Agency	Period
1.	Influence of micro-level climatic variations on honeybee nesting ecology and consequent impact on horticultural and agricultural production	Climate, Energy and Sustainable Technology (CEST) Division, DST, Govt. of India, Vide No. DST/CCP/NMSHE/HICAB/232/2024 (G) Dated 22nd March, 2024	2024-2027

Completed Research Projects

S. No.	Title	Agency	Period
1.	Impact of climate change on high altitude Himalayan honey bee <i>Apis laboriosa</i> Smith and its acclimatization in changing environment	DST, SPLICE-CCP, Govt. of India, Vide No. DST/CCP/HICAB/SN-AP/163/2018(C) Dated 28 th March, 2019	2019-2022
2.	Quantitative assessment and mapping of the diversity of wild bees and honey bees of Northeast India” under the Major Research Project “Bioresource and Sustainable livelihoods in North East India”	DBT, Govt. of India. (network project), Vide No. BT/OI/17/NE/TAX Dated 29 th March, 2018	2018-2021
3.	Foraging ecology of high altitude cliff bee (<i>Apis laboriosa</i> Smith) in-situ and its response to ex-situ management in lower altitude	DST-SERB, Govt. of India (Extramural Research Project), Vide No. EMR/2016/005544 Dated 27 th August, 2017	2017-2020
4.	Commercial product yielding insects in Arunachal Pradesh under the major research project CPEB-II, Rajiv Gandhi University, Arunachal	UGC, New Delhi, India	2014-2018

Knowledge Exchange and Skill Enhancement

Invited talk:

1. “Chromatographic analysis in entomology research: Exploring Arunachal Pradesh's insect biodiversity and chemical ecology” in seminar on “Recent Trends on Natural Resources Using Advanced Chromatographic and Mass-spectrometry Techniques”, jointly Organized by CSIR-NEIST & SHIMADZU-SPINCO” on 28-29th June 2023
2. “Mode of action of insecticides”. Bhattadev University, Assam. Through virtual mode.
3. “Potential of the edible insect-based industry with reference to Arunachal Pradesh” in Symposium “Potential of edible insects in northeast India” organized by Advanced level institutional biotech hub, Department of Biotechnology, Gauhati University, India.
4. Keynote address in UGC sponsored National Seminar on “Bioresources, its utilization and conservation with special reference to Northeast India” held on 26th June 2014 in Silapathar Science College, Silapathar-787059, Assam

Webinar/Lecture organized:

Sl. No.	Subject area	Date	Sponsor
1.	Talk: Linking insect morphology to ecology and evolution: Ecomorphological disparity in Steninae rove beetles (Coleoptera, Staphylinidae) by Prof. Oliver Betz, Institute of Evolution and Ecology, University of Tübingen, Germany	10 April 2023	Rajiv Gandhi University, Arunachal Pradesh
2.	Webinar: Locust Outbreak and its Management Strategies	30 May 2020	Rajiv Gandhi University, Arunachal Pradesh

Conference/Seminar/Workshop attended (International / National):

Sl. No.	Title of the paper presented	Title of conference/seminar	Organized by
1.	Insect pollinators of crops and fruits in Arunachal Pradesh.	International conference on “Global biodiversity, climate change and sustainable development. October 15-18, 2016	Center with Potential for Excellence in Biodiversity, Rajiv Gandhi University, Arunachal Pradesh.
2.	Bioprospecting from the Insects & Spiders of Arunachal Pradesh in Himalaya Biodiversity Hotspot and Their Ecology.	National seminar on “Applied Zoology and Sustainable Development: An Update”, January 30-February 2, 2015	Department of Zoology, University of North Bengal, Siliguri, Darjeeling, West Bengal.
3.	Agro bio-diversity regulate pest population: Study in rice agro-ecosystem with reference to <i>Nymphula depunctalis</i> Guenée	National seminar on “Recent trends in bioresources management and biodiversity conservation”	October 17-19, 2013. CPEB-II, Rajiv Gandhi University, Arunachal Pradesh.

4.	Bio-efficacy potential of some ethnically important plants against <i>Nymphula depunctalis</i> Guenée (Lepidoptera: Pyralidae) larvae” in	National seminar on “Climate change and sustainable development”	1st-3rd April 2010 organized by Department of Environmental Science, Tezpur University, India.
5.	National Workshop	Molecular structure determination using X-ray crystallography: Theory and hands on experience	4 th -6 th September, 2013. CPEB-II, Rajiv Gandhi University, Arunachal Pradesh.

Collaborative Partnership

Rajiv Gandhi University (RGU) signed a memorandum of understanding (MoU) with the University of Tübingen, Germany to support joint research on the ecomorphological radiation of the rove beetle subfamily Steninae (Coleoptera, Staphylinidae) in the unexplored regions of Arunachal Pradesh for close collaboration between Prof. Oliver Betz from the Institute of Evolution and Ecology at the University of Tübingen and Dr. Hiren Gogoi from the Department of Zoology, RGU.
