

CV of Dr. Sunayan Bardoloi

Name: Dr. Sunayan Bardoloi

Designation: HOD of Zoology

Address for Communication (office): Department of Zoology

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sunyanbordoloi@yahoo.com

Sex: Male

Date of Birth: 01/09/1962

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	1977	Board of Secondary Education	—
2	HSSLC/10+2 Std.	1980	Gauhati University	Science
3	Degree (Please Specify)	1983	Gauhati University	Zoology
4	Master's Degree (Please Specify)	1987	Gauhati University	Zoology (Entomology)
6	Ph. D. (Please Specify)	1993	Assam Agricultural University	Entomology/ Sericulture

Languages known: Assamese, English, Bengali, Hindi

(Read, Write & Speak)

Academic/ Administrative Experience: 30 years of experience in teaching UG/ PG classes

List of Publications:

1. **Sunayan Bardoloi**, Lakshmi Kanta Hazarika (1992) – Seasonal variation of body weight, lipid reserves, blood volumes and hemocyte Population of *Antheraea assama*. Environmental Entomology (USA) 21 (6): 1398–1403
2. **Sunayan Bardoloi**, Lakshmi Kanta Hazarika (1994) – Body temperature and thermoregulation of *Antheraea assama* larva. Entomologia Experimentalis et Applicata (Belgium) 72: 207–217. <https://doi.org/10.1111/j.1570-7458.1994.tb01820.x>

3. Lakshmi Kanta Hazarika, **Sunayan Bardoloi**, Abhijit Katakya (1994) – Effects of host plants on haemocyte populations and blood volumes of *Antheraea assama*. *Sericologia* (France) 34(2): 301–306
4. **Sunayan Bardoloi**, Lakshmi Kanta Hazarika (1995) – Variation in haemocyte population during different larval instars of *Antheraea assama* and their roles in the defence mechanism of the insects. *Journal Assam Science Society* 37(2): 96–102
5. **Sunayan Bardoloi**, Lakshmi Kanta Hazarika (1998) – Response of Muga silkworm *Antheraea assama* to host quality. *Entomon* 23(2): 111–115
6. Lakshmi Kanta Hazarika, **Sunayan Bardoloi** (1998) – Antennal and mouthparts sensilla of the Muga silkworm *Antheraea assama*. *Sericologia* (France) 38(1): 55– 63.
7. Lakshmi Kanta Hazarika, C. N. Saikia, Abhijit Katakya, **Sunayan Bardoloi**, J. Hazarika (1998) – Evaluation of physico chemical characteristics of silk fibres of *Antheraea assama* reared on different host plants. *Bioresource Technology* (UK) 64: 67–70. [https://doi.org/10.1016/S0960-8524\(97\)00158-2](https://doi.org/10.1016/S0960-8524(97)00158-2)
8. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyothi Bharali (2015) – Investigation into the effect of altitude on the differential hemocyte count of circulating plasmatocytes and granulocytes of larval stage of *Antheraea assama*. *Journal of Insect Science* 15(1):64. <https://doi.org/10.1093/jisesa/iev043>
9. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyothi Bharali (2015) – Ultrastructure of hemocytes of Muga Silkworm larva *Antheraea assama* Ww (Lepidoptera; Saturniidae): a phase contrast and electron microscope study. *International Journal of Pure and Applied Biosciences* 3(3): 234–240
10. Parag Moni Baruah, Santanu Bardoloi, **Sunayan Bardoloi** (2015) – A comparative study of the caffeine profile of mature tea leaves and processed tea marketed in Sonitpur district of Assam, India *International Journal of Plant, Animal and Environmental Science* 5(4): 113–120
11. Bhavna Prishnee Baishya, **Sunayan Bardoloi** (2015) – Investigation into the effect of altitude on total hemocyte count (THC) of larval stage of Muga silkworm *Antheraea assama* Ww. *Scholars Academic Journal of Biosciences* 3(3): 311–314
12. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2015) – A comparative study of hemolymph protein profiles of normal and infected larvae of Muga silkworm *Antheraea assama* Ww. *International Journal of Applied and Natural Sciences* 6(4): 65–68
13. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2015) – Study of sexual dimorphism in larval stage of Muga silkworm *Antheraea assama* Ww. collected from different altitudes. *International Journal of Pure and Applied Biosciences* 3(4): 173–177
14. Parag Moni Baruah, Santanu Bardoloi, **Sunayan Bardoloi** (2015) – A comparative survey of the pest prevalence and chemical control practices in the Tea gardens of Sonitpur district of Assam. *International Journals of Multidisciplinary Research Academy* 5(10): 22–32
15. Baruah G.S., Patnaik, G., **Bardoloi, S.** (2015). Aeromycological study and predominance of airborne fungi in Ulubari area of Guwahati city. *Zoon*, 13:23-29. ISSN:2394-0181
16. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2015) – Study of hemocyte population in various larval instars and pupal stage of Muga silkworm *Antheraea assama* Ww. *Zoon* 13: 44–47
17. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2015) A comparative study of hemolymph protein profiles of normal and infected larvae of muga silkworm *Antheraea assama* Ww. *International Journal of Applied and natural Sciences*. Vol 4, 65-68. ISSN 2319-4022

18. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2015) – Ultrastructure of the hemocytes of Muga silkworm larva *Antheraea assama* Ww (Lepidoptera: Saturniidae): a phase contrast and electron microscopy study. *Indian Journal of Pure and Applied Biosciences* 3(3): 234–240
19. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2016) – Morphological changes in the hemocytes of *Antheraea assama* (Lepidoptera: Saturnidae) upon bacterial infection. *Journal of Entomology and Zoology Studies* 4(6): 46–49.
20. **Sunayan Bardoloi**, Pranamika Roy, Gayatri Sarma Baruah, Salma Mazid (2016) – Study of inhibitory effect of certain chemicals on Phenoloxidase (PO) of *Antheraea assama* Ww. *International Journal of Pure and Applied Bioscience*. 4: 98–102. <http://dx.doi.org/10.18782/2320-7051.2367>
21. **Sunayan Bardoloi**, Kumari Desdimona, Salma Mazid (2016) – Comparative study of the changes in haemogram of *Antheraea assama* Ww reared on two host plants, Som (*Machilus bombycina* King) and Soalu (*Litsea polyantha* Juss). *International Journal of Pure and Applied Bioscience* 4(5): 144–152. <http://dx.doi.org/10.18782/2320-7051.2368>
22. N. Nath, **Sunayan Bardoloi** (2016) – Quantification and electrophoretic profile of haemolymph protein of *Philosamia ricini* reared on three host plant *Ricinus communis* (Castor), *Heteropanax fragrans* (kesseru) and *Manihot utilissima* (Tapioca). *Zoon*, 14:35–40
23. Bikash Rabha, **Sunayan Bardoloi** (2016) – Comparative study of haemograms of *Philosamia ricini* reared on three host plants, Castor (*Ricinus communis*), Kesseru (*Heteropanax fragrans*) and Tapioca (*Manihot esculenta*). *Zoon*, 14:11–14
24. N. Mustafee, **Sunayan Bardoloi** (2016) – Protein profiling of bacteria induced Eri (*Philisomia ricini*) silkworm reared on Castor plant (*Ricinus communis*). *Zoon*, 14:73–79
25. Arlina Rahman, **Sunayan Bardoloi**, Salma Mazid (2018) – Entomophagy practiced among the Tiwa community of Morigaon district, Assam. *Journal of Entomology and Zoology Studies* 6(1): 484–486
26. Krishna Talukdar, **Sunayan Bardoloi**, Salma Mazid (2018) – Toxicological effect of lead nitrate on haemogram of eri silkworm (*Philosamia ricini*). *Journal of Entomology and Zoology Studies* 6 (1): 480–483
27. Gayatri Sarma Baruah, **Sunayan Bardoloi**, Dipsikha Bora (2018) – Screening the efficacy of multiple buffers on the optimization of in vitro activity of prophenoloxidase (PPO) enzyme in both healthy and pebrine infected Muga silkworm larvae. *International Journal of Basic and Applied Research* 9(5): 280–288
28. Gayatri Sarma Baruah, Hridip Kumar Sarma, **Sunayan Bardoloi**, Dipsikha Bora (2018) – Purification and characterization of phenoloxidase from the hemolymph of healthy and diseased *Antheraea assamensis* Helfer (Lepidoptera: Saturniidae): Effects of certain biological components and chemical agents on enzyme activity. *Archives of Insect Biochemistry and Physiology* 100: e21531. <https://doi.org/10.1002/arch.21531>
29. Sarma M, **Bardoloi S**, Mazid S, Baruah G.S. (2018). Silk fibroin extraction and quantification of silk powder from cocoons of *Philosamia ricini* (Eri) and *Antheraea assamensis* (Muga). *Journal of emerging technologies and innovative research*. ISSN: 2349-5162
30. Karanjit Das, **Sunayan Bardoloi**, Salma Mazid (2019) – A study on the prevalence of entomophagy among the Koch Rajbongshis of North Salmara subdivision of Bongaigaon district. *International Journal of Basic and Applied Research* 9(3): 382–388

31. Sanghamitra Saharia, Shibani Kalita, Dimpri Moni Kalita, **Sunayan Bardoloi** (2022)- GC-MS analysis for the potential bioactive compounds and in vitro efficacy of the rhizome extract of *Curcuma longa* L., from district Udalguri, Assam, India against white muscardine fungus *Beauveria bassiana*. International journal of Bioscience 20(6):229-239
32. Shibani Kalita, **Sunayan Bardoloi**, Bidisha Rani Das, Smritimala Sarmah, Sanghamitra Saharia, Anjumani Ojah. (2023). Effect of magnetic field on the Haemogram and protein content of Eri Silkworm, *Philosamia ricini*. *Toxicology International*. (accepted)

Research Experiences:

- Conducted minor project sponsored by UGC
- One major project sponsored by NEC
- One major project sponsored by DBT

PhD guideship: Registered PhD guide in Zoology under Gauhati University

Membership of Professional bodies: -----

Award, Fellowship & Recognition: -----

Date: 3/07/2023



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