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Sex: Male

Date of Birth: 01/09/1962 EducationalQualifications:

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

Languagesknown:Assamese,English,Bengali,Hindi (Read, Write & Speak)

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

Listof 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 Kataky (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.Entomon23(2):111–115

1. Lakshmi Kanta Hazarika, **Sunayan Bardoloi** (1998) – Antennal and mouthpart sensilla of the Muga silkworm *Antheraea assama.* Sericologia (France) 38(1): 55– 63.
2. Lakshmi Kanta Hazarika, C. N. Saikia, Abhijit Kataky, **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
3. Bhavna Prishnee Baishya,**Sunayan Bardoloi**,Rupjyothi Bharali(2015)–Investigationinto 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
4. 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
5. Parag Moni Baruah,Santanu Bardaloi,**Sunayan Bordoloi**(2015)–A comparative studyof 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
6. Bhavna Prishnee Baishya, **Sunayan Bardoloi** (2015) – Investigation into the effectof altitudeontotalhemocytecount(THC)oflarvalstageofMugasilkworm*Antheraeaassama* Ww. Scholars Academic Journal of Biosciences 3(3): 311–314
7. Bhavna Prishnee Baishya, **Sunayan Bardoloi**, Rupjyoti Bharali (2015) – A comparative study of hemolymph protein profiles of normal and infected larvae of Muga silkworm *Antheraeaassama*Ww.InternationalJournalofAppliedandNaturalSciencesG(4):65–68
8. 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 Biosciences3(4): 173–177
9. Parag Moni Baruah, Santanu Bardaloi, **Sunayan Bordoloi** (2015) – A comparative survey of thepest prevalenceandchemicalcontrol practicesintheTeagardensof Sonitpur district of Assam. International Journals of Multidisciplinary Research Academy 5(10): 22–32
10. BaruahG.S.,Patnaik,G.,**Bardoloi,S**.(2015).Aeromycological study and predominanceof airborne fungi in Ulubari area of Guwahati city. *Zoon*, 13:23-29. ISSN:2394-0181
11. 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
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. Vol 4, 65-68. ISSN 2319-4022
13. 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
14. 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.
15. **Sunayan Bardoloi**,Pranamika Roy,Gayatri Sarma Baruah,Salma Mazid(2016)–Studyof 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>
16. **Sunayan Bardoloi**, Kumari Desdimona, Salma Mazid (2016) –Comparative study of the changesinhaemogramof*Antheraeaassama*Wwrearedontwohostplants,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>
17. 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
18. 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
19. N. Mustafee, **Sunayan Bardoloi** (2016) – Protein profiling of bacteria induced Eri (*Philisomia ricini*) silkworm reared on Castor plant (*Ricinus communis*). Zoon, 14:73–79
20. Arlina Rahman, **SunayanBardoloi**, SalmaMazid(2018) –Entomophagypracticed among the Tiwa community of Morigaon district, Assam. Journal of Entomologyand Zoology Studies 6(1): 484–486
21. Krishna Talukdar, **Sunayan Bardoloi**, Salma Mazid (2018) – Toxicological effect oflead nitrate on haemogram of eri silkworm *(Philosamia ricini*).JouralofEntomology and Zoology Studies 6 (1): 480–483
22. Gayatri Sarma Baruah, **Sunayan Bardoloi**, Dipsikha Bora (2018) – Screening the efficacy of multiple buffers on the optimization of in vitro activity of prophenoloxidase (PPO) enzymeinbothhealthyandpebrineinfectedMugasilkwormlarvae.InternationalJournalof Basic and Applied Research 9(5): 280–288
23. 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>
24. Sarma M, **Bordoloi 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).Journalofemergingtechnologiesandinnovativeresearch.ISSN:2349- 5162
25. Karanjit Das, **Sunayan Bardoloi**, Salma Mazid (2019) – A study on the prevalence of entomophagy among the Koch Rajbongshis of North Salmara subdivision ofBongaigaon district. International Journal of Basic and Applied Research 9(3): 382– 388
26. Sanghamitra Saharia, Shibani Kalita, Dimpi Moni Kalita, **Sunayan Bardoloi** (2022)- GC- MS analysis for gthe potential bioactive compounds and in vitro efficacy of the rhizome extractof*Curcumalonga*L.,fromdistrictUdalguri,Assam,Indiaagainstwhitemuscardine fungus *Beauveria bassiana*. International journal of Bioscence 20(6):229-239
27. 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)
28. Shibani Kalita,Tanushree Biswas, Ankita Devi, Sanghamitra Saharia, Dimpi Moni Kalita, Sunayan Bardoloi (2023). Assessment of antibacterial activity of bacteria immunized Muga silkworm (Antheraea assamensis Helfer) and its comparison with market antibiotics. International journal of Bioscience 23(2):220-227
29. Sanghamitra Saharia, Shibani Kalita, Dimpi Moni Kalita, Anjumani Ojah, Sunayan Bardoloi (2023). Assessment of the Effect of Methanolic Herbal Extract on CocoonParameters and Tensile Properties of Silk Fiber Spun by Beauveria bassiana Infected Muga Silkworm, Antheraea assamensis Helfer. Asian Journal of Biological and Life Sciences 12(2): 395-401
30. Sanghamitra Saharia, Manabendra Nath, Shibani Kalita, Dimpi Moni Kalita and Sunayan Bardoloi (2024). Identification and toxicity evaluation of Beauveria sp. Associated with white muscardine disease in muga silkworm Antheraea assamensis Helfer. Indian journal of entomology 1698
31. Shibani Kalita, Sanghamitra Saharia, Dimpi Moni Kalita, Dhirunabh Swargiary, Sunayan Bardoloi (2024). Assessment of protein profile and antibacterial activity in haemolymph of Bacillus thuringiensis immunized muga silk worm. Journal of Applied Biology and Biotechnology. Vol. X(XX):1-6

ResearchExperiences:

* ConductedminorprojectsponsoredbyUGC
* OnemajorprojectsponsoredbyNEC
* OnemajorprojectsponsoredbyDBT

PhDguideship:RegisteredPhDguideinZoologyunderGauhatiUniversity

MembershipofProfessionalbodies:--------

Award,Fellowship&Recognition:--------



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Date: 3/07/2023 (Name)