

## **CURRICULUM VITAE**

**NAME** : **DR. BHUBAN CHANDRA CHUTIA**  
**Date of Birth** : 08<sup>th</sup> October, 1978

**Present Position:** Assistant Professor (Stage-III), Department of Zoology, Coordinator, IQAC & Programme Officer, NSS Unit, President, IIC of Nowgong College (Autonomous)

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S/O: Late Harakanta Chutia  
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**Academic and professional career:**

Sl. No.	Institution	Degree Awarded	Year	Award/Prize/Certificate
1.	Nagaland University, Hqs: Lumami, Nagaland	M. Sc.	2003	Nil
2.	Nagaland University, Hqs: Lumami, Nagaland	Ph.D.	2009	2009 Nagaland University Best PhD thesis award

**Title of the thesis:** *Biodiversity, Ecology and Conservation Strategies of Wild Silk Moths in Nagaland*

**Professional career:**

Sl. No.	Institution	Position	From (Date)	To (Date)
1	Nagaland University	Field Assistant	Oct., 2003	June, 2004
2	Nagaland University	JRF & SRF	July, 2004	June, 2007
3	Nagaland University	SRF	July, 2007	Nov., 2007
4	CMER&TI, CSB, Lahdoigarh-785700, Jorhat, Assam	JRF	Dec., 2007	Feb., 2009
5	Tea Research Association, Tocklai Experimental Station, Jorhat-785008, Assam	RF	March, 2009	Aug., 2010
6	Nowgong College (Autonomous), Gauhati University (Parent University)	Assistant Professor	Aug., 2010	Till date

### List of Ongoing/Complete Project (Individual)

Sl No	Title of the Project	Name of the Organization	Amount	Status
1	Wild Silk Moths: Genetic Diversity based on Morpho-Molecular markers in North-Eastern Region of India.	DST, SSTP Govt. of India	29,00,662/-	Completed
2	Empowerment of ST people through rearing and utilization of <i>Samia ricini</i> Donovan in two districts of Assam	IASST, Guwahati	5, 49, 000/-	Completed
3	Outreach Programme by College in Rural Schools	ASTE Council, DST, Govt. of Assam	1, 45, 000/-	Completed
4	Empowerment of ST people through rearing and utilization of <i>Samia ricini</i> Donovan cum ornamental fish culture in Nagaon and Morigaon districts of Assam	DST, SEED Govt. of India	47,30, 963/-	Completed
5	Socio-Economic Development through Technology intervention for sustainable muga culture among tribal communities in Nagaland. <b>(As Co-PI)</b>	DST, SEED, STI Hub	70,27,858/-	Completed
6.	Exploration, Extraction and standardization of plant based natural Dye for dyeing eri silk yarn by ethnic people and with special reference to quality eri silk products in Assam	DBT, NECBH, IIT, Guwahati	8, 56, 000/-	Completed
7	Socio-economic development through natural dye based eri silk entrepreneurship among ethnic communities in Nagaon, Morigaon and Karbi Anglong districts of Assam.	DST, SEED, STI Hub	83, 77, 735/-	Ongoing
8	Eri pupa based ornamental fish feed: Preparation, standardization and sustainable utilization	ASTEC, DST, Govt. of Assam	4, 20000/-	Ongoing

### List of Institutional Ongoing/Complete Projects:

Sl No	Title of the Project	Name of the Organization	Amount	Status
1	DST FIST-2018 (as PI)	DST Govt. of India	50, 00,000/-	Ongoing
2	UGC Paramarsh Scheme (as Programme Coordinator)	UGC, Govt. of India	30, 00, 000/-	Completed
3	NAAC Margadarshan Scheme (as Coordinator)	NAAC, Bangaluru	50, 000/-	Ongoing

### Award/Prize/Certificate etc. owned:

1. Nagaland University Best Ph.D Thesis, 2009.
2. Assam Sahitya Sabha *Dharitri Dharok Bota*, 2019
3. University Level NSS Programme Officer Award, 2019-2020, Gauhati University
4. State Best Red Ribbon Club Coordinator Award-2020-2021
5. State Level NSS Programme Officer Award-2020-2021
6. **Best Oral Presentation Award International Conference** on “Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and improved Health” organized by Department of Ecological studies & ICEE and Department of Food and Nutrition, University of Kalyani on dated 15<sup>th</sup> to 17<sup>th</sup> December, 2021.
7. **ACTA Research & Innovation Award-2022** by Assam College Teachers’ Association (ACTA)

### Recognition:

1. Gauhati University Ph.D. Guideship (Zoology)
2. Nowgong College (Autonomous) Ph.D. Guideship (Zoology)
3. Member, Board of Studies, Department of Zoology, North Lakhimpur Autonomous College
4. Certificate of Recognition from National AIDS Control Organization for Active contribution in *Azadi Ka Amrit Mohotsav* Phase III.
5. Honorary Appreciation from Indian Society for Training and development Guwahati chapter and ARHAN.
6. Certificate of Appreciation from Mahatma Gandhi National Council for Rural Education, Hyderabad. Department of Higher Education, Ministry of Education, Govt. of India.

### Convener & Organizing Secretary:

1. ICSSR, Govt. of India sponsored International Conference on **Traditional Knowledge (Exploring Traditional Knowledge: Bridging Past and Future)** organized by Internal Quality Assurance Cell (IQAC) in association with Research and Development Cell of Nowgong College (Autonomous) (upgraded to Nagaon University), 22<sup>nd</sup> and 23<sup>rd</sup> March, 2024 as Organizing Secretary.
2. ICSSR-NERC sponsored National Level Lecture Programme on “ **Indian Philosophical thought and Status of Women : A Connect** under the theme “Amrit Kaal Vimarsh: Viksit Bharat@2047” organized by Internal Quality Assurance Cell (IQAC) in collaboration with the Department of Philosophy of Nowgong College (Autonomous) on 25<sup>th</sup> November, 2023 as Convener.
3. National Assessment and Accreditation Council (NAAC) is going to organize a National

Seminar on **Trends and Issues in Quality Higher Education in India with Special Reference to North East India** on 19<sup>th</sup> to 20<sup>th</sup> October, 2023 organized by Internal Quality Assurance Cell (IQAC) of Nowgong College (Autonomous) in collaboration with National Assessment and Accreditation Council (NAAC) as Organizing Secretary.

4. 2<sup>nd</sup> BIOTIC SCIENCE CONGRESS, 2022, International Conference on Recent Advances in Agricultural, Biological and Applied Sciences Research organized by Society for Biotic and Environmental Research (SBER), Tripura, in collaboration with Internal Quality Assurance Cell of Nowgong College (Autonomous), Assam, and ICAR- Central Agroforestry Research Institute, Jhansi, 8<sup>th</sup> & 9<sup>th</sup> August, 2022 Nowgong College (Autonomous), Nagaon-782001, Assam, India
5. National Conference on **Bioresources for Sustaining Life and Livelihoods in North-East India** organized by Department of Zoology in association with DBT's Institutional Advanced Level Biotech Hub & Zoological Society of Assam (ZSA) sponsored by ASTEC, DST, Govt. of Assam held on 4<sup>th</sup> and 5<sup>th</sup> October, 2018.
6. One Day State Level Workshop on **Draft National Education Policy-2019** organized by Internal Quality Assurance Cell (IQAC), Nowgong College, Nagaon, Assam held on 18<sup>th</sup> July, 2018
7. International e-Conference on "**NUTRIENTS ACQUISITION BY PLANTS AND PLANT BASED REMEDIES AGAINST VIRAL DISEASES**" on 7<sup>th</sup> & 8<sup>th</sup> August, 2020 organized by Internal Quality Assurance Cell (IQAC), Nowgong College, Nagaon, Assam in association with World Researchers Association and North Eastern Institute of Ayurveda and Homoeopathy (NEIAH), Govt. of India, Shillong, Meghalaya.
8. National WEBINAR on "**MIGRATION CHALLENGES: GLOBAL, NATIONAL AND FOR THE ECONOMY OF THE STATE OF ASSAM IN THE CONTEXT OF COVID-19**" on 9<sup>th</sup> June, 2020 organized by Internal Quality Assurance Cell (IQAC), Nowgong College, Nagaon, Assam.

## **Publications:**

### **Research papers of Dr. Bhuban Chandra Chutia:**

- (1) Kakati, L.N. and **Chutia, B.C.** 2009. Diversity and Ecology of Wild Sericigenous Insects in Nagaland, *J. Trop. Ecol.* 50 (1): 137-147
- (2) **Chutia, B.C.** and Kakati, L.N. 2010. Biology and rearing performance of *Actias selene*, Hubner (Lepidoptera: Saturniidae), a wild silk moth in Nagaland, India. *J. Trans. Lepid. Soc. Japan.* 61 (1): 228-239
- (3) **Chutia, B.C.**, Kakati, L.N. and Singh, K.C. 2009. Biodiversity of Wild Silk Moths in Nagaland. *Journal of Bombay Natural History Society.* 106 (1): 112-117
- (4) Das Rimpi, **Chutia, B. C.**, Rahaman, A., Sarmah, M., Borthakur, Monorama. and Barthakur, B. K. 2010. Effect of Neem Kernel Aqueous Extract (NKAE) on growth and development of Red Slug Caterpillar, *Eterusia magnifica* Butl in North-East India, India. *Journal of Biopesticides.*3(2): 489-494
- (5) Sarkar , B. N., **Chutia B. C.**, Ghose J. and Borah A. 2010. Life history of *Attacus atlas* L (Lepidoptera: Saturniidae) on *Litsaea polyantha* Juss in North-East India. *Journal of Bombay Natural History Society.* 107 (1): 42-44
- (6) **Chutia, B.C.** and Kakati, L.N. 2011. Biology and Rearing Performance of *Antheraea roylei* Moore a wild silk moth in Nagaland. *Bull. Ind. Acad. Seri.* 15(1):63-72
- (7) Chutia, B.C. and Kakati, L.N. 2010. Biology and rearing performance of *Samia canningi* Hutton - a wild eri silk moth in Nagaland, India. *Indian Journal of Entomology.*72(4):343-351
- (8) Kakati, B. T., Kakati, L. N. and **Chutia B. C.**2015. Seasonal variation of the foliar constituents of primary (*Machilus bombycina*) and secondary (*Litsea citrata*) food plants of

*Antheraea assamensis* Helfer (Muga Silkworm) in Nagaland, **The Bioscan**, 10(4):1637-1640

(9) **B.C. Chutia** and L. N. Kakati. 2012. Biology and rearing performance of *Cricula trifenestrata* Helfer (Lepidoptera: Saturniidae), a wild silk moth in Nagaland, India. *Entomon*. 37(1-4):119-131

(10) **Chutia, B. C.**, Rahaman, A., Sarmah, M., Borthakur, Monorama. and Barthakur, B. K. 2011. Biology of *Hyposidra talaca* (Walker)-a major defoliating pest of tea in North East India. *Indian Journal of Entomology*, 73(2): 106-109

(11) Kakati, L.N. and **Chutia, B.C.** 2012. Cocoon and Yarn diversity of wild silk moths in Nagaland, India *International Journal of Wild Silk moths & Silk*. 17: 1-9

(12) Peigler, R.S. & Chutia, B.C. 2013. Case 3635. *Antheraea roylei* Moore, 1859 (Insecta, Lepidoptera, Saturniidae): proposed conservation. *Bulletin of Zoological Nomenclature*, 70(4): 221-228

(13) Goswami, B., **Chutia, B. C.**, Nath, C. and Sarma, B. K. 2013. Effect of moisture content of castor leaf variety on tensile strength and elongation of cocoon filaments of Eri silkworm, *Samia ricini* Donovan *Bioscan*. 8(1&2): 97-99

(14) **Chutia, B. C.**, Nath, C., Goswami, L. M., Goswami, B., Gogoi, L. and Neog, K. 2016. Life history of *Antheraea frithi* Moore, (Lepidoptera: Saturniidae) on *Terminalia arjuna* (Roxb.) W&A syn. in North Eastern Region of India, *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, (Jan-Mar 2016) 86(1):83-88 DOI 10.1007/s40011-014-0411-y

(15) L. N. Kakati, **B. C. Chutia** and B.T.Kakati. 2013. Seasonal variation of the foliar constituents of host plants of certain wild silkworm in Nagaland. *Indian Journal of Sericulture* 52(2): 122-130

(16) **B.C. Chutia** and L. N. Kakati. 2012. Biology and rearing performance of *Cricula trifenestrata* Helfer (Lepidoptera: Saturniidae), a wild silk moth in Nagaland, India. *Entomon*. 37(1-4): 119-131

(17) **Chutia, B. C.**, Rahaman, A., Sarmah, M., Borthakur, Monorama and Barthakur, B. K. 2012. Biology of *Hyposidra talaca* (Walker)-A Major defoliating pest of tea in North East India, *Two and a Bud*, 59: 17-20

(18) **Chutia, B. C.** 2012. Biodiversity of wild silk moths and their host plants in Nagaland, *Delve*, 01(01): 1-19, ISSN, 2278-7402.

(19) F. Yasmin, **Chutia, B. C.** Nath, C. Sultana, S. and Borkataki. 2015. Foliar constituents of *Terminalia arjuna* Robx.(Family: Combretaceae): An alternate host plant of wild temperate tasar silkworm, *Antheraea frithi*, Moore. *International Journal of Current Research* 7(12): 24656-24659

(20) Nath, C., **Chutia, B. C.** and Kakati, L. N. 2016. Life history of *Theophila religiosa*, Helfer (Lepidoptera: Bombycidae) on *Ficus benghalensis* L in Nagaland, North Eastern Region of India. *NeBio*. 7(1): 23-26

(21) **Chutia, B. C.**, Nath, C. and Kakati, L. N. 2016. Conservation strategies of *Actias selene* Hubner: A wild silk moth in Nagaland, India. *Environmental Conservation Journal* 17(1&2): 41-45

(22) Nath, C., Bordoloi, P. K. **Chutia, B. C.**, Gogoi, L. and Goswami, B. 2016. A new record of six larval instars in *Attacus atlas* L (Saturniidae) from North Eastern Region of India. *Journal of Entomology and Zoology Studies* 4(3): 399-401

(23) Sarkar, B. N., Sarmah, M. C., Singh, K. C., Chutia, B. C. and Rajan, R. K. 2010. Conservation of Eri Silkworm Germplasm and Development of Hybrid. *International Journal of Wild Silk moths & Silk*. 15:101-105

(24) Nath, C., Chutia, B. C., Yasmin, F., Goswami, L. M. and Kakati, L. N. 2016. Exploration of wild silk moth's host plants in Nagaland, NE India, *Sericologia*, 56(3): 191-200

(25) Nath, C., Chutia, B. C., Goswami, L. M. and Neog, K. 2017. Genetic variation within six different colour strains of *Samia ricini* Donovan from North East India. *NeBio*. 8(1): 40-44

(26) Medhi, K. K., **Chutia, B. C.** and Sharma, C. M. 2019. Eco-Tourism prospect of Morakolong Beel, Morigaon, Assam: A need for conservation, *Journal of Emerging Technologies and Innovative Research (JETIR)*. 6(2): 2349-5162

(27) Kaushik, K. K., Sahu P. and Chutia B. C. 2020. Diversity and abundance of butterflies in and around Sivasagar tank (Borpukhuri), in Sivasagar District, Assam, India, *International Journal of Ecology Environment & Conservation*. 26 (1) :135-141

(28) **Bhuban Ch. Chutia**, Chidananda Nath, Lalit Mohan Goswami, Sarat Borkataki Nirangkush Borah and Chandan Tamuly 2022. Morphophysical and Spectroscopic Characteristics of Wild Silkworm Cocoons in North-East India, *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* <https://doi.org/10.1007/s40011-021-01329-9>

(29) **Bhuban Ch. Chutia**, Sarat Borkataki and Farishta Yasmin, 2022. Impact of COVID-19 Pandemic on Health and Socio-Economic Scenario in Rural areas of Assam, India. *International Journal of Mechanical Engineering*, Vol 7 (Special Issue 2) Jan-Feb-2022. PP 129-134

(30) **Bhuban Ch. Chutia (2021)**. Sericulture and Women Empowerment: A case Study in Nagaon and Morigaon District of Assam, India. *Akshar Wangmay*, Vol-II. ISSN: 2229-4929. PP-115-119

(31) Hena Parbin, Anjela Ahmed, Chidananda Nath, Biswajit Saikia and **Bhuban Ch. Chutia**. 2022. Evaluation of Economic Characters of C2 Breed of Eri Silkworm (*Samia ricini*, Donovan) reared on Castor (*Ricinus communis*) and Kessuru (*Heteropanax fragrans* Roxb.) food plants, 43 (6):78-83, *Uttar Pradesh Journal of Zoology*, ISSN:0256-971X (P)

(32) Bhuban Chandra Chutia, Manash Pratim Borah, Ujjal Bordoloi, Lalit Mohan Goswami, Saswati Bharadwaj, Meghna Borthakur, Priyanki Sharma, Jyotismita Das and Sarat Borkataki. 2024. Qualitative detection of formaldehyde in chilli fish obtained from selected fish markets of Nagaon, Assam, India. *Discover Environment*, 2:26, | <https://doi.org/10.1007/s44274-024-00056-y>.

(33) Hena Parbin, **Bhuban Ch. Chutia**, Simanta Koushik, Anjela Ahmed, Girin Hazarika and Probodh Borah. 2024. Antimicrobial Activity of *Ligilactobacillus Salivarius* Against Pathogenic Bacteria *Staphylococcus Aureus*, *Proteus Vulgaris* and *Bacillus Thuringiensis* Causing Flacherie in Silkworm. *Proceedings of Zoological Society*. <https://doi.org/10.1007/s12595-024-00540-6>

(34) Puspakhi Borah, Pankaj Das, Ramashankar Bordoloi, Sonot Deori, **Bhuban Chandra Chutia**, Rupam Dutta and Chittaranjan Baruah. 2024. Potential of probiotic bacteria to improve silk production: Boosting the Sericulture Industry in Northeast India. *Journal of Applied and Natural Science*, 16(4). <https://doi.org/10.31018/jans.v16i4.5873>

### Communicated papers: (2023)

1. Effect of eri pupa based ornamental fish food on the growth performance of Milky carp (*Cyprinus carpio*), Shubunkin gold (*Carassius auratus*), and Common goldfish (*Carassius auratus*), *Journal of Aquatic Biology*.

**Sequences were submitted to Gene Bank (23 nos.):**

*Accession nos.:* KU862863, KU705824, KU949602, KU949603, KU949604, KU9496025, KU949602, KU949606, KU949607, KU949608, KU949609, KU9496010, KU9496011, KU9496012, KU9496013, KU949733, KU949734, KU949735, KU949736

*Accession nos.:* OP503443, OP512540, OP518289, OP518292

**Scientific/Popular Articles: (Four)**

(1) Kakati, L. N. and **Chutia, B. C.:** Present status of Non-mulberry Sericulture in Nagaland, '*The Nagaland Post*' June 1-3 issue, 2005.

(2) Kakati, L. N. and **Chutia, B. C.:** Vanya Sericulture in Nagaland: Problem and Prospects. *Indian Silk* 45(3):18-22. July, 2006.

(3) **Chutia, B. C.** and Kakati, L.N.: Nagalandat Bonoria Rasom Polur Joiba Boichitra (Assamese)" '*The Prantik* (Assamese Fortnightly Magazine)' Vol. XXVI No8, 16-31 March, pp-20-21& Back Page, 2007.

(4) **B. C. Chutia,** L. N. Kakati, J. Ghose and M. Sankar (2008): Vanya Silk Varieties in Nagaland. *Indian Silk*. 49(3):16-21. July, 2010

(5) Goswami, B., **Chutia, B.C.,** and Mahanta, H.C. "*Effect of Castor Varieties on Quality of Eri Silk Fiber.*" *Indian Silk*. 5-6:33-35, April-June, 2015.

(6) **B. C. Chutia, Borkataki, S. and Kalita, K. K.** Biodiversity of Sri Sri Batadrava Than: Birth place of Sri Manta Sankardev. *Borduwa*, published by Directorate of Information and Public Relation, Govt. of Assam, pp 33-37, 2023.

**Book (s):**

1. Wild Silk Moths of North East India, published by Mahaveer Publications, Dibrugarh, Assam, **ISBN: 978-93-94095-77-9**, First Edition: February, 2023 (Authored by Dr. Bhuban Ch. Chutia and Prof. Lakhmi Nandan Kakati)
2. *Hand Book of Eri Silkworm rearing and Silk Production*, published by Principal, Nowgong College at Surjya Printing Works, G. N. B. Road, Fouzdaripatty, Nagaon, Assam, **ISBN: 978-81-924066-8-8**, First Edition: October, 2018 (Authored by Dr. Bhuban Ch. Chutia, Mr. Chidananda Nath and Dr. Farishta Yasmin)
3. *Non-Mulberry Sericulture*, Published by ABD Publisher, Panbazar, Guwahati-781001. (Authored by Dr. B.C. Chutia, Dr. Ratul Ch. Rajkhowa & Dr. Biva Goswami) December, 2020. ABD Publisher, Panbazar, Guwahati-781001, **ISBN:978-81-949523-0-5**
4. *Basics of Endocrinology with Practical*, Published by Mahaveer Publications, Dibrugarh, ISBN: 9789391064174. (Authored by: Dr. B.C. Chutia, Kumar Kritartha Kaushik, Pimpi Sahu), 2021.

**Edited Book (s):**

1. ***Bioresources for Sustaining Life and Livelihoods in North-East India***, published by Principal, Nowgong College at Gigabytes Press & Publication, Milanpur, Nagaon, Assam, **ISBN: 978-93-85310-48-5**, First Edition: April, 2019 (Editors: Dr. Bhuban Ch. Chutia and Dr. Farishta Yasmin)
2. ***NAAC Manual For First Cycle Colleges***, Published by Principal, Nowgong College at Gigabytes Press & Publication, Milanpur, Nagaon, Assam, 2021 ((Editors: Dr. Bhuban Ch. Chutia and Dr. K.K. Medhi)

#### **Book Chapter (s):**

1. **Chutia B. C.** and Nath Chidananda. 2022. Eri Culture and Employment Generation in ***Sericulture with special reference to Assam***, Published by EBH Publishers (India), Guwahati-1, Editor: Dr. Tarali Kalita. **ISBN:- 978-93-90434-398**
2. Hena Parbin and Chutia, B.C. 2021. Probiotic: A new paradigm in Sericulture. In *Advances in Agricultural entomology*. Vol: 14, Akinik Publications, New Delhi. **ISBN: 9789391538378**
3. **Chutia B. C.**, Nath, C. and Yasmin F. 2017. Diversity of Wild Silkmoth's Host Plants in North Eastern Region of India. In Dr. Ramesh Nath (eds.) *Proceedings of National Conference on "Wild Life Trafficking and Concern to Biodiversity of North East India"* held at Dhing College, Nagaon, Assam, dated 17<sup>th</sup> June, 2017, ISBN: 978-81-202-8865-2, pp: 365-369.
4. **Chutia B. C.** and Kakati, L. N. 2018. **Conservation Strategies of *Samia canningi* Hutton-A wild Silkmoth in Nagaland, N-E India**. *In:* Prof. J. C. Kalita and Prof. Partha P. Baruah (eds.) ***Recent Trends in Life Sciences*** published by UGC-HRDC, Gauhati University, Assam, pp: 279-286. **ISBN: 978-93-87263-67-3**, First Edition: July, 2018, at Purbayon Publication, Satmile, Guwahati-14.
5. **Chutia B. C.** and Nath, C. 2019. Diversity of Wild Silkmoths in North-East India. *In:* Dr. Rajeev Basumatary and Dr. Smarjit Ojah (eds.) ***Biodiversity and its Conservation: Issues and cases from Assam*** published by Saraswati Books, Panjabari, Guwahati-37 on behalf of Assam College Teachers' Association (ACTA), pp: 96-105. **ISBN: 978-81-940053-8-4**, Year of publication, 2019.
6. **Chutia B. C.** 2018. **Climate Change and its Impact on Muga Silkworm**. *In:* Dr. Krishna Kanta Medhi and Dr. Chintamani Sharma (eds.) ***Society and Environment***, published by Principal, Nowgong College, Assam, pp: 40-44. **ISBN: 978-81-924066-6-4**, First Edition: 5<sup>th</sup> June, 2018, at Surjjya Printers, Nagaon, Assam.
7. Doloi B. J. and **Chutia, B. C.** 2019. **Life History of *Antheraea mylitta* Drury, a wild tasar silkworm on *Terminalia arjuna* in Nagaon, Assam**. *In:* Dr. Bhuban Ch. Chutia and Dr. Farishta Yasmin (eds.) ***Bioresources for Sustaining Life and Livelihoods in North-East India***, published by Principal, Nowgong College at Gigabytes Press & Publication, Milanpur, Nagaon, Assam, pp: 287-296. **ISBN: 978-93-85310-48-5**, First Edition: April, 2019.



8. N. Khatun and Chutia, B. C. 2019. **Traditional fishing techniques adopted by Tiwa tribes in Nagaon district of Assam.** In: Dr. Bhuban Ch. Chutia and Dr. Farishta Yasmin (eds.) *Bioresources for Sustaining Life and Livelihoods in North-East India*, published by Principal, Nowgong College at Gigabytes Press & Publication, Milanpur, Nagaon, Assam, pp: 287-296. ISBN: 978-93-85310-48-5, First Edition: April, 2019.

**Resource Person/Chairperson/Judge/External Expert (International/National/ State/ District level events):**

1. Attended as External Expert of Academic and Administrative of Juria College for the session 2023-2024 on 11<sup>th</sup> June, 2024.
2. Chaired a Technical Session in the ICSSR sponsored on *Empowering Women through Social Entrepreneurship and Skill Development: Issues Challenges and Opportunities with special reference to NE India* organized by Department of English & Economics, Charaibahi College in Collaboration with Internal Quality Assurance Cell, Charaibahi College on 24<sup>th</sup> & 25<sup>th</sup> June, 2024.
3. Chaired a Technical Session in the ICSSR sponsored *National Seminar on Relevance of NEP, 2020 in Innovation and Entrepreneurship Ecosystem: Focus on North- East India* organized by Department of Mathematics, Statistics and Business Management in collaboration with IQAC of Golaghat Commerce College on 25<sup>th</sup> and 26<sup>th</sup> August, 2023.
4. Chaired a Technical Session in the NAAC sponsored National Seminar on *Quality Enhancement and Quality Sustenance in Higher Education Institutions* organized by IQAC of Morigaon College on 24<sup>th</sup> and 25<sup>th</sup> January, 2023
5. Delivered a lecture as Resource Person at One Day Workshop on NEP-2020 organized by Internal Quality Assurance Cell of Nonoi College on 17<sup>th</sup> August, 2023.
6. Delivered a lecture as Resource Person at One Day Workshop on NEP-2020 organized by Internal Quality Assurance Cell of Charaibahi College on 9<sup>th</sup> August, 2023.
7. Participated as Resource Person in the NAAC sponsored *National Seminar on Revised Accreditation Framework of NAAC: Understanding the Parameters of Quality Assessment* organized by IQAC of Mangaldai College on 25<sup>th</sup> and 26<sup>th</sup> April, 2023
8. Chaired a Technical Session in the National conference on *Economic Zoology and Sustainable Development* organized by Morigaon College and USTM, Meghalaya on 29<sup>th</sup> & 30<sup>th</sup> Dec, 2021.
9. Chaired a Technical Session in the International Conference on “**Role of Biodiversity Conservation in promotion of adventure tourism and Entrepreneurship**” organized by Department of Zoology, Hojai College in collaboration with Indian Institute of Entrepreneurship (IIE) and supported by Assam Tourism Development Corporation on 22<sup>nd</sup> – 24<sup>th</sup> February, 2019.
10. Participated as Evaluator cum Judge at The District Level Children’s Science Congress organized by NCSC, Nagaon district on 21<sup>st</sup> September, 2016 at Nagaon Bengali H. S. School, Nagaon, Assam.
11. Participated as Judge at The District Level Science based Model making competition of Aryabhatta Science Centre held at Nagaon Govt. Boys’ H. S. School, Nagaon, Assam on 9<sup>th</sup> September, 2016.

## Invited Lecture (International/National)

1. **Chutia, B. C.** 2023. *Institutionalizing Innovations and Entrepreneurships in Higher Educational Institutions* in the workshop organized by IIC, Dudhnoi College on 10<sup>th</sup> February, 2023.
2. **Chutia, B. C.** 2023. *Eri Culture Based Innovative Entrepreneurship* in the MSME Acceleration Trade & Commerce Conclave-2023 organized by Industries, Commerce & Public Enterprise Department, Govt. of Assam on 16<sup>th</sup> February, 2023.
3. **Chutia, B. C.** 2023. Challenges to Quality Enhancement and Sustenance in HEIs in NE India vis a vis NEP 2020, in the NAAC sponsored National Seminar on *Quality Enhancement and Quality Sustenance in Higher Education Institutions* organized by IQAC of Morigaon College on 24<sup>th</sup> and 25<sup>th</sup> January, 2023
4. **Chutia, B. C.** 2022. Wild Silk Moth diversity in North-Eastern Region of India: A potential source for novel silk, 2<sup>nd</sup> BIOTIC SCIENCE CONGRESS, 2022, International Conference on Recent Advances in Agricultural, Biological and Applied Sciences Research organized by Society for Biotic and Environmental Research (SBER), Tripura, in collaboration with Internal Quality Assurance Cell of Nowgong College (Autonomous), Assam, and ICAR-Central Agroforestry Research Institute, Jhansi, 8<sup>th</sup> & 9<sup>th</sup> August, 2022 Nowgong College (Autonomous), Nagaon-782001, Assam, India
5. **Chutia, B.C.** 2022. Eri culture Based Activities: A Tool for Economic Upliftment and Empowerment of Women at Webinar on Contribution of Science in value Creation and economic Development organized by ASTEC under State science and Technology Programme of Department of S & T, Govt. of India, Celebration of Bigyan Utsav as a part of Azadi Ka Amrit Mohotsav on dated 8<sup>th</sup> April, 2022.
6. **Chutia, B.C.** 2021. Eri culture and women Empowerment in Nagaon and Morigaon District of Assam, India at National conference on Economic Zoology and Sustainable Development organized by Morigaon College and USTM, Meghalaya on 29<sup>th</sup> & 30<sup>th</sup> Dec, 2021.
7. **Chutia, B.C.** 2021. Seri Bioresources of North East India and Entrepreneurship potential at Orientation Programme on Student Entrepreneurship organized by IIC, Dhing College on 4<sup>th</sup> Feb 2021.
8. **Chutia, B.C.** 2021. Plant Based Natural Dye on eri Silk Fiber and Product at Zandu Ayush Samridhi Webiner series organized by Independent Research Ethics Society, Kolkata on 7<sup>th</sup> August, 2021.
9. **Chutia, B.C.** 2014 Wild Silk moths diversity in North Eastern Region of India: A potential source of novel silk, International Conference on “**Role of Biodiversity Conservation in promotion of adventure tourism and Entrepreneurship**” organized by Department of Zoology, Hojai College in collaboration with Indian Institute of Entrepreneurship (IIE) and supported by Assam Tourism Development Corporation on 22<sup>nd</sup> – 24<sup>th</sup> February, 2019.
10. **Chutia, B.C.** 2014 Wild Silk moths diversity in Nagaland, N-E India: A potential source of novel silk, Workshop on Seri-Biotechnology Specially on silk (muga) at IASST, Guwahati on 3<sup>rd</sup> February, 2014
11. **Chutia, B.C.,** 2014. Exploration of wild silk varieties in Nagaland, N-E India

- National Conference on "Exploitation of Seri-biodiversity For Novel Product Development" organized by Unit of Excellence on Seribiotechnology, Centre for the Environment, IIT Guwahati from 29<sup>th</sup> to 30<sup>th</sup> November, 2014
12. **Chutia, B.C., 2012.** Biodiversity of wild silk moths and their host plants in Nagaland, at *International Consultative Meeting on 'Seribiotechnology'*, IBSD, Imphal, Manipur. 5<sup>th</sup>-7<sup>th</sup> Dec, 2012.

### **Presentation (International & National Seminar/Conference/Workshop):**

- (1) Chutia, B.C. 2021. Empowerment of Womenfolk through integrated eri silkworm cum fish farming in Nagaon and Morigaon district of Assam, India at International Conference on "Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and improved Health" organized by Department of Ecological studies & ICEE and Department of Food and Nutrition, University of Kalyani on dated 15<sup>th</sup> to 17<sup>th</sup> December, 2021.
- (2) Chutia, B.C. 2021. Ericulture and women Empowerment: A case study in Nagaon and Morigaon District of Assam, India at International Interdisciplinary E-Conference organized by Department of Geography and IQAC of Sahakarbhushan S.K. Patil College, Kurundwad on 4<sup>th</sup> Oct 2021.
- (3) **Chutia, B.C.**2018. Diversity, abundance and distribution of *Antheraea mylitta* Drury, a wild tasar silkworm in Nagaon, Assam at *National Workshop on "Vanya Sericulture and Seri-Biodiversity for Economic Upliftment"* organized by Central Muga Eri Research and Training Institute, Central Silk Board, Ministry of Tetiles, Government of India, Lahdoigarh, Jorhat, Assam on 12<sup>th</sup> -13<sup>th</sup> March, 2018.
- (4) **Chutia, B.C.,** Kakati, L.N. 2016. Exploration of wild eri silkworm, *Samia canningi* Hutton: A need for conservation at *International Conference on "The Green Planet: Past, present and future"* organized by CAS-VII, Department of Botany, University of Calcutta in association with Probir Chatterjee Research Foundation & Botanical Survey of India on 21<sup>st</sup> to 23<sup>rd</sup> December, 2016.
- (5) **Chutia, B.C.,** Nath, C. Goswami L. M. and Kakati, L.N. 2014. Preliminary Studies on morpho-physical characteristics of wild silk varieties in Nagaland, N-E India at Tropical Ecology Congress at JNU, New Delhi on 10th -12th December, 2014.
- (6) **Chutia, B.C.,** Nath, C. Goswami, B. 2013. Sericulture: A Multidisciplinary Subject in Higher Education, National Conference on "Sustainable Quality of Biological Science Education" held at Nowgong College, Nagaon, Assam on 9th & 10th December, 2013
- (7) **Chutia, B.C.,** Gogoi, L., Saikia, P.C., Goswami, B. And Kakati, L.N. 2011. Biodiversity of wild Sericigenous insects in Nagaland, N-E India at *National Seminar on "Conservation and Utilization of Resources in North-East India: A Vision of Green Plan of World"* organized by Department of Geography, Nowgong College, Nagaon, Assam, on dated 10-11 January, 2011.
- (8) **Chutia, B.C.,** Kakati, L.N. 2010. Conservation strategies of *Actia selene* Hubner a wild silk moth in Nagaland, India at *National Seminar on "Biodiversity Conservation, Land and Resource Management"* organized by Department of Ecology and Environmental Science at Assam University, Silchar-788011 on dated 4-5 March, 2010.

- (9) **Chutia, B. C.**, Sarmah, M., Rahaman, A., Das Rimpi, Borthakur, Monorama and Barthakur, B. K. 2010. Effect of aqueous plant extract on tea mosquito bug, *Helopeltis theivora* Waterhouse at ***National Seminar on “Biodiversity Conservation, Land and Resource Management”*** organized by Department of Ecology and Environmental Science at Assam University, Silchar-788011 on dated 4-5 March, 2010.
- (10) **Chutia, B.C.**, Kakati, L.N. 2006. Biology and Rearing Performance of *Samia cynthia* a vanya silk moths in Nagaland, at ***National Workshop on Eri Food Plants***, organized by CMER&TI, Central Silk Board, Lahdoigarh, Jorhat, Assam, on dated October 11-12, 2006.
- (11) **Chutia, B.C.** and Kakati, L.N. 2007. Biology and Bionomics of *Actias selene*, Hubner, a wild silk moth in Nagaland, at ***18<sup>th</sup> All India Congress of Zoology and National Seminar on “Current Issues on Applied Zoology and Environmental Sciences with Special Reference to Eco-restoration & Management of Bioresources (SCIAZE)”*** jointly organized by University of Lucknow and B. B. Ahmedkar University, Lucknow, on dated 7-9 December, 2007.
- (12) **Chutia, B.C.**, Kakati, L.N. 2008. Biodiversity of wild silk moths and their host plants in Nagaland, India at ***19<sup>th</sup> All India Congress of Zoology and National Seminar and Symposium on “Biodiversity & Human welfare”*** organized by Guahati University, Guwahati, on dated 28-31 December, 2008.
- (13) **Chutia, B.C.**, Kakati, L.N. 2009. Biology and Rearing Performance of *Antheraea roylei* Moore a vanya silk moth in Nagaland, India, at ***3<sup>d</sup> National Conference on Vanya Silk***, under the aegis of National Academy of Sericulture Sciences, India, organized by CMER&TI, Central Silk Board, Lahdoigarh, Jorhat, Assam, on dated January 28-30, 2009.
- (14) **Chutia, B.C.**, Kakati, L.N. 2009. Conservation strategies of *Samia canningi* Hutton a wild silk moth in Nagaland, India at ***20<sup>th</sup> All India Congress of Zoology and National Semina on “Bioresources and its Management for Food, Livelihood and Environmental Security and National Helmithological Congress”*** organized by Central Institute of Fisheries Education, Zoological Society of India and Indian Fisheries Association, at CIFE, Versova, Mumbai-400061 on dated 29-31 December, 2009.

### **Participation (International & National Seminar/Conference/Workshop):**

- (1) National WEBINAR on “ **Psychological Impact of COVID-19 on Students and the Future of Work, Jobs and Career**” on 30th August, 2021 organized by Internal Quality Assurance Cell (IQAC) & NSS Unit, Nowgong College (Autonomous), Nagaon-782001, Assam in collaboration with Ready2Live, Bangaluru
- (2) Youth Conclave on the theme “**Nation First-Calling the Youths**” organized by Council for Teacher Education Foundation-Assam in collaboration with Directorate of Students’ Welfare & NSS Cell, Gauhati University on 26th June, 2022.
- (3) National WEBINAR on “**Balancing Mental Health and Wellness of our student community during prevailing Pandemic**” on 5th August, 2021 organized by Department of Education in collaboration with Internal Quality Assurance Cell (IQAC) and Alumni Association, Nowgong College (Autonomous), Nagaon-782001, Assam
- (4) National WEBINAR on “**Quality Enhancement Paradigm Initiative through Innovative Practice**” on 24th April, 2021 organized by Internal Quality Assurance Cell (IQAC), Nowgong College (Autonomous), Nagaon-782001, Assam

- (5) National WEBINAR on “**Sculptures of the Brahmaputra Valley: An Overview**” on 8th June, 2021 organized by Postgraduate Department of History in collaboration with Internal Quality Assurance Cell (IQAC) and Alumni Association, Nowgong College (Autonomous), Nagaon-782001, Assam
- (6) National WEBINAR on “**MARVELS OF NATURE :Non-flowering Plants : Diversity and Research**” on 28th August, 2020 organized by Department of Botany in collaboration with Internal Quality Assurance Cell (IQAC), Nowgong College, Nagaon, Assam.
- (7) Regional level WEBINAR on “ **Fighting Climate Change Through Diet**” organized by Humane Society International, India in collaboration with the Gauhati University, NSS Cell, Assam on 12th September, 2020
- (8) National Webinar on “**WATER SECURITY IN HILLY AREAS**” on 28th May, 2020 jointly organized by Regional Coordinating Institute, Unnat Bharat Abhiyan & Department of Water Resources Development & Management, Indian Institute of Technology Roorkee.
- (9) National Webinar on “***Areca-nut induces genomic changes that lead to carcinogenesis : Cytogenetic to Molecular Genetic Studies***” on 18<sup>th</sup> August, 2020 organized by Department of Zoology in collaboration with Internal Quality Assurance Cell (IQAC), Nowgong College, Nagaon, Assam.
- (10) North Eastern Regional Sensitization Workshop to promote Societal Schemes of SEED Division Focus: S & T for Women organized by Tripura State Council for Science & Technology, supported by Science for Equity Empowerment & Development (SEED) Division, Department of Science and Technology, Govt. of India held at Pragna Bhawan, Agartala, Tripura on 13<sup>th</sup> and 14<sup>th</sup> April, 2017.
- (11) National Seminar on ***Integrated Approach in Zoological Research & Biennial Conference of Zoological Society of Assam*** held on 30th and 31<sup>st</sup> March, 2017 at Department of Zoology, Gauhati University, Guwahati-781014.
- (12) Workshop on Assam Biodiversity Portal organized by Ashoka Trust for Research in Ecology and the Environment (ATREE) in Nagaon, Assam on 28<sup>th</sup> October, 2017.
- (13) National level Science and Technology exhibition on “***IDEAS TO ACTION: LET US GROW WITH INNOVATION***” organized by S & T Division, ASTEC held at Regional Science Centre, Khanapara on 7<sup>th</sup> and 8<sup>th</sup> September, 2016.
- (14) National Seminar on “***Capacity Building in Higher Education***” on 4<sup>th</sup> June, 2016 organized by IQAC, Nowgong College, Nagaon, Assam.
- (15) One day workshop on “***Choice Based Credit System for undergraduate courses***” on 26<sup>th</sup> May, 2016 organized by Nowgong College, Nagaon, Assam under DBT Star College Scheme, Govt. of India
- (16) National workshop on “ ***Rashtiya Uchatar Shiksha Abhijan: A Paradigm Shift for Quality Education***” on 10<sup>th</sup> May, 2014 organized by Department of Economics, Nowgong College, Nagaon In collaboration with ACTA at Nowgong College, Nagaon, Assam.
- (17) Workshop on “***Field Testing of Translated Texts in Assamese***” on 3<sup>rd</sup> January, 2013 organized by National Translation Mission at Nowgong College, Nagaon, Assam
- (18) NAAC sponsored National Seminar on “***Challenges of Quality Assurance in Higher Education with special reference to North-Eastern Region***” on 25<sup>th</sup> & 26<sup>th</sup> July, 2012 at Nowgong College, Nagaon, Assam
- (19) Workshop on “ **Choice Based Credit System for Undergraduate Level**” organized by Assam College Teachers’ Association, Nagaon-Morigaon Zone in Collaboration

with IQAC, Nowgong College on 20<sup>th</sup> May, 2019.

- (20) **58<sup>th</sup> Annual Conference of Assam College Teachers' Association** held on 23-26<sup>th</sup> June, 2011 at Duliajan College, Duliajan, Assam

**Training Course Attended:**

- (1) Short term Training Programme on Analytical Instrumentation. {Mass spectrometry- GCMS and IR and Spectrophotometry- FTIR, uv-vis & Fluorescence} at IIT Guwahati, dated 22<sup>nd</sup>- 24<sup>th</sup> July, 2013.
- (2) Attended 3 days training on “Breeding and Maintenance of Ornamental Fishes” at Dept. of Zoology, Nagaland University, on dated 20-22, 2002.
- (3) Attended 3 days training on “Culture and Prospects of Ornamental Fish Trade in Nagaland” at SASRD, Nagaland University, Medziphema, dated 30<sup>th</sup> Oct.-1<sup>st</sup> Nov. 2003.

**Orientation/Refresher Course/FDP attended:**

Sl. No.	Name of the Course	Institution	Duration with date	Remarks
1	Orientation Programme	UGC, ASC, Kumaun University, Nainital	28 days (13/09/2012 to 10/10/2012)	Obtained Grade 'A'
2	Refresher Course in <i>Nano Science, NanoTechnology and Applications</i>	UGC, ASC, The University of Burdwan, Burdwan	21 days (11 <sup>th</sup> June, 2014 to 1 <sup>st</sup> July, 2014)	Obtained Grade 'A'
3	Refresher Course in <i>Life Science</i>	UGC, HRDC, Gauhati University	21 days (9 <sup>th</sup> July to 29 <sup>th</sup> July, 2018)	Obtained Grade 'A'
4	Faculty Development Programme on “ <i>ICT Tools for Classroom Teaching</i> ”	E & ICT Academy IITG at Nowgong College	14 days (06-21, September, 2017)	-----
5	Orientation Programme of <i>National Service Scheme (NSS)</i>	Indian Institute of Entrepreneurship, Guwahati	07 days (05/03/2017 to 11/03/2017)	-----
6	University Level Orientation Programme for <i>NSS Programme Officer &amp; College Principal</i>	Gauhati University	02 days (28 <sup>th</sup> to 30 <sup>th</sup> September, 2018)	-----
7	Regional Level Orientation Programme under Unnat Bharat Abhiyan-2.0 for “ <i>Orientation of Participating Institutes to Initiate Work in Adopted Village Clusters</i> ”	IIT, Guwahati	01 day (5 <sup>th</sup> January, 2019)	-----

8	One-Week Online Faculty Development Programme on <b><i>Mentoring Pedagogy and Teaching Techniques for Higher</i></b>	E&ICT Academy IIT Guwahati in association with Nowgong College	07 Days (08-06-2020 to 15-06-2020)	-----
9	Faculty Development Programme on <b><i>LaTex and Moodle Learning Management System</i></b>	Nowgong College in association with IIT, Bombay under Spoken Tutorial Project.	14 Days 24-04-2020 to 07-05-2020)	-----
10	Online FDP on Online Evaluation System	TLC, Tezpur University and IQAC, Nowgong College (Autonomous)	22nd - 28th June, 2021	-----
11	UGC Sponsored Workshop on Leadership Development	UGC & HRDC, NEHU, Meghalaya	8 <sup>th</sup> -14 <sup>th</sup> March, 2022	-----
12	Weeklong Online Faculty Development Programme for Ph. D. Supervisors	Internal Quality Assurance Cell Nowgong College (Autonomous) Nagaon-782001, Assam	07 Days (22 <sup>nd</sup> to 27 <sup>th</sup> April, 2022)	-----
13	UGC-Approved Short-Term Professional Development Programme Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching on <b><i>'Implementation of NEP-2020 for University and College Teachers'</i></b>	INDIRA GANDHI NATIONAL OPEN UNIVERSITY Staff Training and Research Institute of Distance Education New Delhi 110068	From 12-20 June, 2023	“A”

**Academic/Professional Membership/:**

1. Trans Lepidoptera Society of Japan
2. Entomological Society of India
3. ERI Fed, NGO, Boko, South Kamrup, Assam
4. SSEAP, NGO, Nagaon. Assam
5. Member, Assam College Teachers' Association (ACTA)

6. Life Member, Assam Sahitya Sabha
7. Life Member, Assam Science Society
8. Life Member, Ellora Vigyan Mancha
9. Life Member, Indian Red Cross Society
10. Bombay Natural History Society
11. Indian Academy of Sericulture
12. Association for Advancement of Entomology
13. International Society for Tropical Ecology

**Administrative responsibilities:**

1. Coordinator, IQAC, Nowgong College (Autonomous)
2. Co-Coordinator, Advanced Institutional Level Biotech Hub, Nowgong College
3. Coordinator, DST FIST, Nowgong College (Autonomous)
4. Programme Coordinator, UGC Paramarsh Scheme
5. Coordinator, NAAC Margadarshan Scheme
6. Assistant coordinator, IGNOU, Nowgong College (Autonomous)
7. Member, Ethical & Biosafety Committee, Nagaon Medical College and Hospital (NMCH)
8. Programme Officer, NSS Unit, Nowgong College (Autonomous)
9. Programme Officer, YRC, Nowgong College (Autonomous)
10. Chief Managing Director, *Time Bank*, Nowgong College (Autonomous)
11. Coordinator, Unnat Bharat Abhiyan, Nowgong College (Autonomous)
12. Coordinator, Eco-Club, Nowgong College (Autonomous) 2018-2022
13. Chairman, Academic Committee, NCSC, Nagaon district, 2013-2017
14. Coordinator, Nowgong College Fishery Development Committee
15. Secretary, Nowgong College Biodiversity Committee
16. Secretary, Nowgong-Kolongpar Branch, Assam Science Society
17. Executive Member, Assam Science Society, 2021-2023
18. District Level Expert Appraisal Committee, Nagaon district

(Dr. Bhuban Ch. Chutia)  
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