

PERSONAL PROFILE



1. Name of the Teacher : Dr. Valentina Teronpi
2. Department : Zoology
3. Designation : Associate Professor
4. Email id : valentina@rtuassam.ac.in
5. Contact no. : ----
6. Teaching Experience : 8 years 10 months (Upto 31st March 2025)

Class	Teaching Experience (years)	Topics
UG	7 years 7 months	Molecular Biology, Bioinformatics, Physiology, Biochemistry, Developmental Biology, Animal Diversity
PG	1 year 3 months	Developmental Biology, Fishery Science, Biostatistics, Molecular Biology
PhD Course work	---	---

7. Research area of interest : Bioinformatics, Genomics, Fisheries

8. Google Scholar ID :
9. Vidwan ID :
10. Academic activities :

a. *Seminar/Conference attended:*

Title of the paper/poster	Name of the seminar/conference	Date and Venue	Organized by	Sponsor (s)
Assessment of genetic diversity of ornamental fish species from the hill streams of Brahmaputra drainage in Karbi Anglong district, Assam	National Conference on Climate Change: Science and Technology Innovation	15 th –16 th December, 2022 Tezpur University, Assam	Department of Environmental Science, Tezpur University	DST
Ichthyological Diversity of Dudnoi River – A hill stream in Goalpara District, Assam	International Conference on Biodiversity: Exploration, Exploitation and Conservation for	5 th January, 2022 PDUAM, Behali, Assam	Department of Botany, PDUAM, Behali	DST-SERB

	Sustainable Development			
Food and feeding habits of some important hill stream fishes	National Conference on Advances in Biodiversity and Traditional Knowledge for Sustainable Development: Special Reference to N.E. India	10 th –11 th August, 2020 Biswanath College, Assam	Department of Botany, Biswanath College	ASTEC
Ethnomedicinal practices among ethnic groups of Marat Longri Wildlife Sanctuary, Assam – A quantitative study	National Conference on Current Issues in Non-Timber Forest Products (NTFPs)	22 nd –23 rd November, 2016 Diphu Campus, Assam University	Department of Life Science & Bioinformatics, Assam University, Diphu Campus	DST
Use of Ichthyofauna in Traditional Healthcare Practices among the Karbis of Assam (India)	National Seminar on Culture, Health and Development: The Situation Among the Tribes of Northeast India	20 th –21 st September, 2012 Diphu Campus, Assam University	Department of Anthropology, Assam University, Diphu Campus	ICSSR
Hillstream fish diversity of lotic wetlands of Karbi Anglong district, Assam	National Seminar on Current Issues of Conservation and Wise Use of Wetlands in North Eastern Region of India	3 rd –4 th February, 2012 Dhing College, Dhing, Nagaon, Assam	Departments of Botany & Zoology, Dhing College	UGC

b. *Workshops attended:*

Name of the Workshop	Date	Venue	Organized by	Sponsor
Two weeks (12 days) Online Refresher Course in Life Sciences	20-01-2025 to 01-02-2025	Online	UGC-MMTTC, Central University of Kerala	UGC
One week (7 days) online workshop on Ethics and Research Paper Writing in Scientific & Humanities Journals	11-03-2024 to 17-03-2024	Online	UGC-MMTTC, Gauhati University in collaboration with Institutional Biotech Hub, Dimoria College, Kamrup (Assam)	UGC

Short term course on NEP Orientation & Sensitization	02/07/2024 to 11/07/2024	Tezpur University	MMTTC, Tezpur University	UGC
R&D Funding Opportunities by SERB-DST: Awareness Workshop for Researchers from North-East Institutions	14-07-2022 to 15-07-2022	IASST, Guwahati	SERB, DST, Govt. of India & IASST, Guwahati	DST-SERB
Online workshop on High Performance Computing and AI for Computational Biology	29-10-2021 to 30-10-2021	Online	IIT Kharagpur & Tezpur University	
Interdisciplinary Refresher Course on Curriculum and Pedagogy	07-06-2021 to 21-06-2021	Tezpur University	TLC, Tezpur University	MHRD
FDP on Current Perspectives in Proteogenomics	20-07-2020 to 24-07-2020	Online	Vignan's Foundation for Science, Technology & Research	
FDP on Online Class Management	06-07-2020 to 11-07-2020	Online	Dibru College	
Training Programme on Remote Sensing & GIS Technology for University Teachers & Government Officials	13-06-2020 to 01-07-2020	Online	Department of Space, ISRO, IIRS	ISRO
Two Day's Workshop on Online Basic Training on Use of ICT	20-04-2020 to 23-04-2020	Online	TLC, Tezpur University	MHRD
109 th Orientation Course	17-01-2020 to 06-02-2020	University of Hyderabad	UGC-HRDC, University of Hyderabad	UGC
Induction Training of Faculty-I	November 23 - December 22, 2017	TLC, Tezpur University	TLC, Tezpur University	MHRD
Workshop on Data	11-03-2013 to	BN College of	Applied Statistics Unit, ISI	ISI Kolkata

Analysis Using SPSS	15-03-2013	Agriculture, Biswanath Chariali	Kolkata	
---------------------	------------	---------------------------------------	---------	--

c. *Details of publications in **UGC recognized/Peer reviewed/Indexed journals**:*

1. Olymon K, Kumari A, Kinoo N, Teronpi V, Venkata RY & Kumar A, "Comparative genomic analysis reveals distinct virulence and resistance mechanisms in 21 bacterial fish pathogens," *Microbial Pathogenesis* (Elsevier), Volume 197, 107099, 2024, DOI: <https://doi.org/10.1016/j.micpath.2024.107099>.
2. Olymon K, Yadav M, Teronpi V, Kumar A, "Unravelling the genomic secrets of bacterial fish pathogens: a roadmap to aquaculture sustainability," *Molecular Biology Reports* (Springer), Volume 51, Page 364, 2024, DOI: <https://doi.org/10.1007/s11033-024-09331-w>
3. Yadav M, Sathe J, Teronpi V, Kumar A, "Navigating the signaling landscape of *Ralstonia solanacearum*: a study of bacterial two-component systems," *World Journal of Microbiology and Biotechnology* (Springer), Volume 40, Page 153, 2024, DOI: [10.1007/s11274-024-03950-y](https://doi.org/10.1007/s11274-024-03950-y)
4. Phanchopi U, Teronpi V, Teron R, Tamuli AK, "Ethnomedicinal practices among ethnic groups in Marat Longri Wildlife Sanctuary, Assam - A quantitative study," *Indian Journal of Applied & Pure Biology* (Indian Society of Applied & Pure Biology), Special Volume, Pages 89–102, 2023, DOI: Not available.
5. Dey U, Sarkar S, Teronpi V, Venkata RY, Kumar A, "G-quadruplex motifs are functionally conserved in cis-regulatory regions of pathogenic bacteria: An in-silico evaluation," *Biochimie* (Elsevier), Volume 184, Pages 40–51, 2021, DOI: <https://doi.org/10.1016/j.biochi.2021.01.017>
6. Teronpi V, Singh HT, Tamuli AK, Teron R, "Assessment of physico-chemical characteristics and fish diversity of hill streams in Karbi Anglong district, Assam, India," *International Research Journal of Environment Sciences* (ISCA), Volume 4, Issue 5, Pages 6–11, 2015.
7. Teronpi V, Singh HT, Tamuli AK, Teron R, "Ethnoichthyological study of the Karbis of Assam (India) and Indigenous Knowledge of Management of Fish Resources," *NeBIO* (NECEER), Volume 4, Issue 2, Pages 22–28, 2013.
8. Teronpi V, Singh HT, Tamuli AK, Teron R, "Ethnozoology of the Karbis of Assam, India: Use of ichthyofauna in traditional health-care practices," *Ancient Science of Life* (Medknow/Wolters Kluwer), Volume 32, Issue 2, Pages 99–103, 2012, DOI: [10.4103/0257-7941.118547](https://doi.org/10.4103/0257-7941.118547)

d. *Publication of Chapter(s) in Books:*

1. Heena Agarwal, Aditya Kumar, Valentina Teronpi, Chapter 7 - Progress and prospect in microbial genome editing, Editor(s): Javid Ahmad Parray, Niraj Singh, Wen-Jun Li, Host Adaptation, Virulence, and Evolution, Academic Press, 2025, Pages 103-133, ISBN 9780443315541, <https://doi.org/10.1016/B978-0-443-31554-1.00008-X>
2. Teronpi, V., Bordoloi, A., Kalita, A., Saikia, A., Neog, A. P., & Kumar, A. (2024). Microbial Bioremediation: Harnessing the Potential of Microbes for Environmental Clean-up. In P. Verma (Ed.), *Industrial Microbiology and Biotechnology*. Springer Nature Singapore, https://doi.org/10.1007/978-981-97-6270-5_22

3. Teronpi, V. (2022). Food and Feeding Habits of Some Important Hill Stream Fishes of Karbi Anglong District, Assam. Recent Trends in Biological Research, Eds. Dr. V. Teronpi & Dr. M. Islam, AM Publisher, Guwahati, Assam.
4. Teronpi V, A. K. Tamuli & R. Teron (2016). Ethnoichthyological Notes on the Use of Fish in Traditional Medicine Among the Karbis of Assam. In: Singh K.H. and Agrawal B.C. (Eds.), Tribal Culture, Health and Development, Concept Publishing Company, New Delhi, 90-101.
5. Teronpi N., Phangchopi U., Teronpi V, & Teron R. (2015). Indigenous Alcoholic Beverages of Northeast India: Overview of Current Research and Future Prospects. In: Molecular Biology and Biotechnology Research in NE India, Eds. Dr. D. Konwar and P. Kalita, Pub Kamrup College, 175-198.
6. Teronpi V., & Tombi H. (2012). Hillstream Fish Diversity of Lotic Wetlands of Karbi Anglong District, Assam. In: Proceeding of National Seminar on Current Issues of Conservation and Wise Use of Wetlands in North Eastern Region of India, 3rd & 4th February, 2012, Organized by Department of Botany & Zoology, Dhing College, Dhing, Nagaon.

e. *Publication of Books (only those considered for API Score):*

[Name of author (s), Name of Book, Year of Publication, Name of Publisher, ISBN.]

1. Islam, M. & Teronpi, V. (2022). Recent Trends in Biological Research. A. M. Publication, Guwahati, Assam. (ISBN: 978-93-93114-00-6).
2. Bhuyan, S. I., Agarwal, H., Islam, M., Teronpi, V. & Baruah, D. (2022). *Biodiversity: Exploration, Exploitation and Conservation*. Research Culture Society and Publication, Gujarat, India. (ISBN: 978-93-92504-013).
3. Bhuyan, S. I., Islam, M., Teronpi, V., Agarwal, H., & Baruah, D. (2023). *Biodiversity Conservation: Issues and prospects*. Mahaveer Publication, Guwahati, India. (ISBN: 978-81-961-731-0-4).

f. *Patents : NIL*

Name of the Patent	Patent Number	Date of Grant	Granting authority

g. *Research Projects : NIL*

(i). Completed

Principal Investigator/ Co-Investigator (s) and Department (s)	Title of the project	Funding Agency	Duration	Amount(Rs.)

(ii). Ongoing

Principal Investigator/ Co-Investigator (s) and Department (s)	Title of the project	Funding Agency	Duration	Amount(Rs.)

h. *Number of citations received in the year : 57*

i. *h-index (based on Scopus/Web of science) : 4*

- j. *Awards/Fellowship/Recognition at State/National/International level from Government/Recognized bodies* :

Name of the Award/Fellowship/Recognition	Conferring agency
Rajiv Gandhi National Fellowship	Ministry of Social Justice & Empowerment and Ministry of Tribal Affairs

- k. *Abroad visit: NIL*

Name and address of the institute/ academic society	Purpose	Period

- l. *Extension Activities/Outreach programme conducted in collaboration with industry / community / NGOs /through NSS/NCC/Red Cross/ Youth Red Cross etc:*

Title of the activity	Organising unit / agency / Collaborating agency	Number of teachers coordinated In the activity	Number of students participated

- m. *Any other achievements:*

Invited talk/Resource person:

1. Resource person in student's enrichment programme "Fisheries Resources of NER in India", organized on 7th January 2023 by Department of Zoology, Chaiduar College, Assam.
2. Resource person in two days workshop on "Solid Waste Management & Vermicomposting" organised by ASTEC in collaboration with Eco Club, PDUAM, Behali, Biswanath, 18th and 22nd May, 2024.
3. Resource person in the workshop "Bioinformatics & Biostatistics" from 25th September to 1st October 2023 organised by DBT-NER Advance-Level Institutional Biotech Hub (Phase-II), Chaiduar College, Assam.

Signature of Teacher in full.....*Valentina Terenzi*