



Angsuman Das

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Education & Academic Milestones

- **PhD Admission Selection**
Padova University – Selected for admission under the supervision of Giorgio Valle.
- **MSc in Zoology** Rajiv Gandhi University [Itanagar, Arunachal Pradesh] – 68.9% / 7.29 CGPA +1
- **BSc (Hon. in Zoology)** Gauhati University (Darrang College) [Tezpur, Assam] – 79% / 7.9 CGPA
- **12th Grade** Tyagbir Hem Baruah College (AHSEC) [Jamugurihat, Assam] – 82.5%
- **10th Grade** Rangachakua HS School (SEBA) [Jamugurihat, Assam] – 74.87%

Professional Experience

- **Assistant Professor (Tutor)** Gauhati University / Tyagbir Hem Baruah College, [Jamugurihat, Assam]
 - Conducted lectures, guided students, and contributed to academic initiatives.
- **Research Trainee** RASA Life Sciences, [Pune, Maharashtra] (Mar 2021 – Oct 2021)
 - Engaged in research activities, data analysis, and collaborated with a multidisciplinary team.

Core Competencies & Skills

- **Bioinformatics & Data Analysis:** Metagenomics analysis, shotgun sequencing, transcriptomics analysis, data visualization (bar plots, rarefaction curves), QIIME2, HISAT2, cutadapt.

- **Programming:** Python (Basic Programming language), Data Analysis using python Packages (Pandas, Matplotlib), R (tidyverse).
- **Languages:** Assamese, Bangla, English, Hindi, Nepali.

Publications & Research Articles

- **Das, A.** (2021). Analysis of the physico-chemical parameters of river Bohimora in the Sonitpur district of Assam and evaluation of its macro-invertebrate diversity. *International Advanced Research Journal in Science, Engineering and Technology (IARJSET)*.
- Sudan, P., Modi, G., Albuquerque, M., Jena, A., & **Das, A.** (2024). Clinical Applications of Mass Spectrometry in Toxicological Investigations: Advancing Therapeutic Drug Monitoring and Analysis. In *Assessment of Anticancer Properties of Plumbago zeylanica*. IGI Global.
- **Das, A.** (2021). Green Heritage Of Assam: A Comprehensive Metaanalysis Of Traditional Medicinal Practices. *Journal of Advanced Zoology*, 42(01).
- **Das, A.** (2021). Cultural Zoology: Unveiling The Ethnozoological Tradition Of Assamese Tribes. *Journal of Advanced Zoology*, 42(02).
- **Das, A.** Conversational Interfaces in Bioinformatics: Bridging Computational Power and User Accessibility. *International Journal of Computational Bioinformatics and In Silico Modeling (IJCBS)*.
- **Das, A., & Das, B.** (2024). GPT Vision Meets Taxonomy: A Comprehensive Evaluation for Biological Image Classification. In: Woungang, I. et al. (eds.), *Proceedings of the NIELIT's International Conference on Communication, Electronics and Digital Technology, Lecture Notes in Networks and Systems 1022*. Springer Nature Singapore Pte Ltd.
https://doi.org/10.1007/978-981-97-3601-0_31

Certifications & Qualifications

- CSIR NET JRF (AIR: 180)
- NE SLET
- IELTS (7/9)
- Genetic Counseling Certification
- Genomic Data Science Specialization - Johns Hopkins University (6 month specialisation, Coursera)
- Cloud computing basics - Coursera

- Epidemiology: The basic science of public health - University of North Carolina at Chapel Hill
- Bacterial genome: Accessing and analysing microbial genome Data - FutureLearn

Projects & Research Focus

- **Academic Data Consultancy:** Assisting PhD scholars in comprehensive metagenomics data analysis and visualization.
- **Tea Research Association (TRA Tocklai):**
 - Isolation, identification, and synthesis of pheromones of major looper pest of tea *Hyposidra talaca* Walker for the development of pheromone based management strategy.
- **MSc Project, Rajiv Gandhi University:** Lepidopteran Silk Worm. 3 membered Team.
 - Reviewed the literature related to All Wild and domestic silk worms.
 - With Special emphasis on the North-east Indian Silk worms mined the literature.
 - Searched for related wild species of Muga (The golden silk worm) that is endemic to Assam state with an anthropo-zoological perspective.
 - Experience included 2 months of field visit and survey.
- **BSc Project, Darrang College, Tezpur:** Physico-Chemical property analysis of River Water and deter Biodiversity Index.
 - Collected water samples of River bohimora from its source, course and mouth which flows through the Sonitpur District of Assam.
 - Rigorous zoological survey and their habitat assessment throughout the River bohimora and the its mouth where it meets Bhoroli a tributary of Brahmaputra.
 - Outcome: Rapid loss of biodiversity toward its source are seen and river water livability in contamination can be observed which is due to illegal stone quarry.
