

Activities Report
Biotech Hub, B.P. Chaliha College, Nagarbera
Period: 2023-2026

Table 1: Workshops/Hands-on Training/Demonstrations organized during 2023 - 2026.

Sl. No.	Programme	Duration (Dates)	No. of participants	Level of participants (PhD/PG/UG students/Farmers)
1	Workshop on Basic Microscopic Technique	Two Days (14-15 Sep, 2023)	43	UG & School level
2	Workshop on UV-Vis Spectrophotometry	One day (10 Nov, 2023)	09	Faculty & UG
3	Workshop on Mushroom Cultivation	Three days (8 -10 Dec, 2023)	15	Farmers &UG
4	Hands-on training on Basic Bioinformatics Tools	Two Days (15 -16 Mar, 2024)	22	Faculty &UG
5	Hands-on training on DNA Isolation	Two days (22 – 23 Mar, 2024)	29	UG
6	Hands-on training on Basic Instrumentation in Microbial Biotechnology	Five Days (26 – 30 Mar, 2024)	47	UG
7	Demonstration on pH Meter	One Day (11 Oct, 2024)	11	UG
8	Workshop on Vermicompost and Entrepreneurship Development	Two days (18-19 Aug, 2025)	94	Farmers, UG
9	Workshop on Biotechnology for Young Minds: Exploring Science beyond the Classroom	Five Days (9 -13 Sep, 2025)	64	School students (Class VII-XII)

Table 2: Invited Talks/Outreach activities conducted during 2023-2026.

Sl. No.	Programme	Duration (Dates)	No. of participants	Level of participants (PhD/PG/UG/ School students/ Farmers)
1	Demonstration on Vegetative Cell and Chromosome in onion root tips	One day (21 July, 2023)	12	School student
2	Awareness Programme on Basic Life Support and First Aid Training	One Day (25 Nov, 2023)	85	UG
3	Awareness programme on eco-friendly farming	One Day (28 Sep, 2023)	18	Farmers
4	Observed Science Day with an awareness programme cum sapling distribution at a village	One Day (28 Feb, 2024)	46	UG & villagers

5	Talk delivered to promote scientific temper.	One Day (4 Mar, 2024)	21	School students
6	Celebrated International Day for Biological Diversity	One day (22 May, 2025)	34 + 6	UG + Faculty
7	Awareness programme on "Vermicomposting: Building Healthy Soil for a Healthy Future"	One Day (30 Aug, 2025)	22	Farmers

List of Scopus-indexed/peer-reviewed Publications during 2023-2026:

1. Kalita, C.K., Das, P., Mech, B., Das, S., & Mili, C. (2025). A study on ethnomedicinal plants used by Karbi tribes in West Karbi Anglong district of Assam, India. *Vegetos*, 1-15. <https://doi.org/10.1007/s42535-025-01311-0> (Scopus)
2. Kalita, G., Kalita, B., Borah, D., Kayang, H., & Mili, C. (2025). Antimicrobial Activity and GC-MS Analysis of Selected Wild Edible Plants from the Karbi-Anglong Plateau, India. *National Academy Science Letters*, 1-4. <https://doi.org/10.1007/s40009-025-01895-w> (Scopus)
3. Deka, M.J., Mili, C., Patar, S., Majumdar, S., Sarmah, T., Borthakur, L.J., & Kalita, C.K. (2025). Areca nut husk derived activated carbon and carbon quantum dots for effective removal of methylene blue from water. *Discover Chemistry*, 2(1), 225. <https://doi.org/10.1007/s44371-025-00307-8> (Peer-reviewed)
4. Mili C., Kalita C.K., Deka M.J., Das P., Tayung K. (2025). Cytogenotoxic effects of alphamethrin and carbofuran based on mitotic index and chromosomal aberrations in *Allium cepa* root tip cells. *Cell Biology and Development* 9, 71-77. <https://doi.org/10.13057/cellbioldev/v090201> (Peer-reviewed)
5. Kalita, C.K., Mili, C., Deka, M.J., Das, P., & Das, S.N. (2024). Study on ethnoveterinary medicinal plants used by local people inhabiting char area, Kamrup District, Assam, North-East India. *Ecological Questions*, 35(4), 1-18. <https://doi.org/10.12775/EQ.2024.048> (Scopus)
6. Mili, C., Dowarah, B., Dutta, C., Laskar, R. A., Tayung, K., & Boruah, T. (2024). A comprehensive review on traditional uses, phytochemical, and pharmacological properties of the genus *Antidesma* L. *Fitoterapia*, 176, 106023. <https://doi.org/10.1016/j.fitote.2024.106023> (Scopus)

Sincerely yours,

Dr. Chiranjib Mili

Coordinator

Institutional Level Biotech Hub (Phase II)