

Biodata of Dr. Sristisri Upadhyaya

1. Name : Dr. Sristisri Upadhyaya
2. Educational Qualification: M. Sc., Ph.D. Life Sciences (Botany)
3. Achievement/
Award received : (i) Recipient of DST-Young Scientist under DST-Fast Track Young Scientist scheme.

(ii) Recipient of Ph.D. Scholarship under UGC-Research Fellow in Science for Meritorious Students from July 2008 to March 2012.

(iii) Recipient of Ph.D. Scholarship of the Govt. of Assam for the session 2007-08.

(iv) 1st Class 1st in the Life Sciences Batch 2005.
4. Teaching experience : (i) Working as an Assistant Professor in the Botany department, D.K.D. College since 1st Feb, 2020.

(ii) Working as an Assistant Professor in the Botany department, Mangaldai College from 1st August, 2015 to 31st Jan. 2020

(ii) Assigned regular teaching duties at PG level in the Department of Life Sciences, Dibrugarh University For the session 2008-2009 to 2011-2012.

(iii) Part time Lecturer in Dibrugarh University Institute of Engineering and technology for 2 sessions 2010-2011.

(iv) Lecturer on contractual basis in the Department of Botany, D.H.S.K. College, Dibrugarh from July 2011 to October 2011.

(v) Part time Lecturer in Dibru College, Dibrugarh during September and November 2013.

(vi) Lecturer in Radhakrishnan Junior College, Dibrugarh from 01. 06.2012 to 30.11.2012.
5. Research experience

A. Project completed as PI: "Screening of Indigenous Medicinal Plants of the Rain

Forests of Eastern Himalayas with special reference to their Active principles.” By DST of Rs. 24,23,000/-.

B. CO-PI: DBT-NER Institutional Level Biotech Hub at DKD College, Dergaon, Assam.

C. Details of Chapters/Publications with ISSN and ISBN Nos.

In Referred Journals

- (i) N. Gogoi, B. Pathak, R. Rehman, **S. Upadhyaya**, P. Mahanta, A. Borah, K.G. Baisya & K. Bhuyan 2025. Rice yield responses to climate variability in Northeast India using machine learning approach. *Theoretical and Applied Climatology* 156:233.
- (ii) P. Borah; **S. Upadhyaya**; D.K. Bora; D. Sharma 2025. Weed Flora of Tea Plantation of Golaghat, Assam with Special Emphasis on Life Form Classification, *International Journal of Plant & Soil Science*, 37(3), 335-341.
- (iii) D.K. Bora; R.P. Bhuyan; **S. Upadhyaya** 2025. Tea Processing in Major Tea Producing Countries, *Journal of Scientific Research and Reports*, 31(4), 59-74.
- (iv) Diganta Kumar Bora; M. Gogoi; A.S. Gogoi; R.P. Bhuyan; E. Bharadwaj; R. Kalita; P. Neog; B. Hazarika; **S. Upadhyaya** 2024. Crush Tear Curl (CTC) Green Tea Processing: A Modified form of Green Tea for the Tea Lovers, *Journal of Scientific Research and Reports*, 30(5), 535-546.
- (v) D. Sharma, **S. Upadhyaya** and M.N. Pegu. 2024. Artificial intelligence (AI) in Phytopathology: Detecting and mitigating plant diseases. *Fuzzy systems and Soft computing* 19(2): 27-31.
- (vi) B. Pathak, A. Khataniar, B. Das, **S. Upadhyaya**, A. Medhi, P.K. Bhuyan, A.K. Buragohain, D. Borah 2022. Spatio-temporal diversity of biological aerosols over Northeast India: a metagenomic approach. *Environmental Science and Pollution Research*, 29: 64096–64111
- (vii) L. J. Gogoi, **S. Upadhyaya**, R. Sarma, S. Ahmed 2022. Preliminary screening of phytochemical contents, antioxidant and antibacterial activity of *Alstonia scholaris* (L.) R. Br collected in the Darrang area of Assam, India. *Int. J. Biosci.* 20(3): 260-265.
- (viii) L.J. Gogoi, D.K Bora, S. Ahmed, **S. Upadhyaya**, K.K. Bora 2022. Phytochemical Profiling, antioxidant activity and antimicrobial activity of

- Argyreia speciosa* (Linn.f) sweet collected form Darang District of Assam. Eco, Env and Cons. 28 (Suppl): S181-S184.
- (ix) **S. Upadhyaya**, D.K. Bora and J. Chetia 2022. Antioxidant, Antimicrobial and Phytochemical Study of Different Solvent Extracts of Fruits of *Terminalia bellerica* (Gaertn.) Roxb., from Dibrugarh, Assam. International Journal of Plant & Soil Science 34(10): 103-109.
- (x) J. Chetia, L.R. Saikia, **S. Upadhyaya**, E.Khatiwara, A. Bawri 2021. Comparative antimicrobial study of different parts of *Ocimum americanum* L., *O. basilicum* L., and *O. sanctum* L. in comparision to standard antibiotics collected from Dibrugarh, Assam. Journal of Scientific Research 13(1): 195-208.
- (xi) E. Khatiwora, V B Adsul, A B Pavar, **S. Upadhyaya**. 2021. Isolation, characterization and antimicrobial activity of an aromatic ester from *Ipomoea carnea* stem bark. Journal of Advanced Scientific Research,12 (02 Suppl 1) 245-251.
- (xii) L. J. Gogoi, S. Upadhyaya, M. Baruah, A. Konwar, M. P. Nath, K. K. Borah and P. Deka 2021. A comparative and biochemical evaluations of edible parts of *Diplazium esculentum* (Retz.) Sw. a locally available fern of Assam at different growing stages. Eco. Env. & Cons. 27 (November Suppl. Issue): (S173-S177)
- (xiii) Diganta Kumar Bora; Dr. Rana Pratap Bhuyan; Manuranjan Gogoi; Dr. Sristisri Upadhyaya (2020). Indian Tea Scenario and its opportunity in the global market, *IJRDO - Journal of Social Science and Humanities Research*, 5(8), 45-50
- (xiv) S. Upadhyaya, E. Khatiwara, D.K. Bora 2019. Estimation of total phenol and flavonoids content of *Citrus limon* L Burm f leaves from north eastern region of India. *Journal of Drug Delivery and Therapeutics*, 2019; 9(2-s):40-42. ISSN 2250-1177. (UGC Approved, Peer reviewed Journal; SJR=0.5).
- (xv) M. Baruah, S. Upadhyaya, L.J. Gogoi, P. Deka 2019. Probiotic Potentials and Biochemical Characterization of Lactic Acid Bacteria Isolated from Different Curd Samples. *International Journal of Pharmacy and Biological Sciences*, 9(3): 492-497. ISSN 2321-3272. (UGC Approved, Peer reviewed Journal)
- (xvi) S. Upadhyaya 2018. *Citrus limon* L Burmf peel: Potential anthelmintic agent against Indian earthworm *Eicinia foetida*. Journal of Drug delivery and therapeutics, 8(5): 248-250. ISSN 2250-1177. (UGC Approved).
- (xvii) S. Upadhyaya, & L.R. Saikia 2015. Agronomic requirements for organic cultivation of *Andrographis paniculata* (Burm) Nees. in the Upper Brahmaputra Valley Agroclimatic Zone. *Indian Forester*, 141 (2): 167-172, ISSN 0019-4816 (Print), 2321-094X (Online). (Peer reviewed Journal; SJR=0.12).
- (xviii) S. Upadhyaya, & L.R. Saikia 2014. Influence of Eco-friendly manures on dry matter production of *Centella asiatica* (L.) Urban under Upper Brahmaputra Valley Agroclimatic Zone. *J. Environ. Science & Engg.* 56(4): 405-410, ISSN 0367-827X. (UGC Approved, Peer reviewed Journal; SJR=0.12).

- (**xi**) S. Upadhyaya, J. Chetia, D.K. Bora & L.R. Saikia 2014. Nutritional analysis of certain under-utilized vegetables of rain forest areas of Assam, India; *Eco. Env. & Cons.* 20: 2014, pp.S91-S94. ISSN 0971- 765X. (CARE List/UGC Approved, Peer reviewed Journal; SJR=0.5).
- (**xx**) S. Upadhyaya, J. Chetia, D.K. Bora & L.R. Saikia; 2014. Total phenolic content, antioxidant and antimicrobial activity of *Talinum cuneifolium* (Vahl.) from Dibrugarh, North East India; *VRI Phytomedicine*, 2(3): pp.73-76.ISSN 2330-0280. (Peer reviewed Journal).
- (**xxi**) Chetia J., S. Upadhyaya and D.K. Bora 2014. Screening of phytochemicals, antioxidant and antimicrobial activity of some tea garden weeds of Tinsukia, Assam, *International Journal of Pharmaceutical Sciences Review and Research*, 26 (1) 193-196, ISSN: 0976-004X. (UGC Approved, Peer reviewed Journal; SJR=0.65).
- (**xxii**) Chetia J., S. Upadhyaya and L.R. Saikia 2014. Phytochemical analysis, antioxidant and antimicrobial activity and nutrient content of *Ocimum gratissimum* Linn. From Dibrugarh, N.E. India, *International Journal of Pharmaceutical Sciences Review and Research*, 25 (1): 229-235, ISSN: 0976-044X. (UGC Approved, Peer reviewed Journal; SJR=0.65).
- (**xxiii**) Chetia J., S. Upadhyaya, D.K. Bora and L.R. Saikia 2014. Phenolic content, antioxidant and antimicrobial activity and nutritive value of young twig of *Psidium guajava* Linn. from Dibrugarh, Assam. *International Journal of Pharmacy & Pharmaceutical Sciences*, 6 (2): 843-846, ISSN: 0975-1491. (Peer reviewed Journal; SJR=0.32).
- (**xxiv**) Kardong D., B. Purkayastha, S. Upadhyaya and J. Chetia 2014. Antioxidant, Antibacterial and Hepatoprotective Activities of *Cissus rependa* Vahl on Carbon tetrachloride (CCl₄) Induced Liver Damage in Bird *Columba livia*, *Asian Journal of Pharmaceutical and Clinical Research*, 7 (2): 48-52, ISSN-0974-2441. (UGC Approved, Peer reviewed Journal; SJR=0.17).
- (**xxv**) Upadhyaya S. 2013. Screening of phytochemicals, nutritional status, antioxidant and antimicrobial activity of *Paederia foetida* Linn. from different localities of Assam, India. *Journal of Pharmacy Research*, 7: 139-141, ISSN 0974-6943. (Peer reviewed Journal; SJR=0.79).
- (**xxvi**) D. Kardong., A.K. Verma, S. Upadhyaya and D. Borah, 2013. Phytochemical and cytotoxic property of wild *Sarchoclamys pulcherrima* Goud from Assam, North Eastern India. *International Journal of Pharmacy & Pharmaceutical Sciences* 5 (4): 394-397, ISSN: 0975-1491. (Peer reviewed Journal; SJR=0.32).
- (**xxvii**) Kardong D. Upadhyaya S. and Saikia L.R. 2013. Screening of Phytochemicals, Antioxidant and Antibacterial Activity of Crude Extract of *Pteridium aquilinum* Kuhn. *Journal of Pharmacy Research* 5(11): 5194-5196, ISSN 0974-6943. (Peer reviewed Journal; SJR=0.79).
- (**xxviii**) Upadhyaya S. and Saikia L.R. 2012. Effect of eco-friendly manures and cutting types on rhizome production of *Acorus calamus* L. *Indian Journal of Ecology*, 39(2):252-254, ISSN: 0304-5250. (CARE List/UGC Approved, Peer reviewed Journal; SJR=0.19).

- (**xxix**) Upadhyaya S and Saikia LR. 2012. Influence of eco-friendly manures on leaf biomass production of a traditional medicinal plant *Adhatoda vasica* Nees. under upper Brahmaputra valley agroclimatic zone. *Journal of Agricultural Science and Technology A*, 2(1):115-119, ISSN 2161-6256. (UGC Approved, Peer reviewed Journal; SJR=0.34).
- (**xxx**) Upadhyaya S. and Saikia L.R. 2012. Evaluation of phychemicals, antioxidant activity and nutrient content of *Centella asiatica* (L.) Urban leaves from different localities of Assam. *Int J Pharm Bio Sci*, 3(4): 656 – 663, ISSN 0975-6299. (Peer reviewed Journal; SJR=0.22).
- (**xxxii**) Mahanta J.J., Upadhyaya S, Saikia LR and Sarma TC 2012. Antioxidant, Cytotoxic and Genotoxic activity of essential oils of *Cymbopogon flexuosus*, *Homalomena aromatica* and *Machilus bombicina*. *Jour. Advanced Pl. Sciences*, 6(1&2): 65-71, ISSN 0971-9350. (Peer reviewed Journal).
- (**xxxiii**) Upadhyaya S and Saikia LR. 2011. Effect of cutting type and time of cultivation on leaf biomass production of *A. vasica*. *Ecology, Environment and Conservation*, 17 (4): 733-737 ISSN 0971- 765X. (CARE List/UGC Approved, Peer reviewed Journal; SJR=0.5).
- (**xxxiiii**) Upadhyaya S and Saikia LR. 2011. Antioxidant activity, phenol and flavonoid content of some less known medicinal plants of Assam. *International Journal of Pharma and Bio Sciences*, 2(2):383-388, ISSN 0975-6299.
- (**xxxv**) Upadhyaya S, Mahanta JJ and Saikia LR. 2011. Antioxidant activity, phenol and flavonoid content a medicinal plant *Andrographis paniculata* (Burm.F.) grown using different organic regime, *Journal of Pharmacy Research*, 4(3):614-616, ISSN 0974-6943. (Peer reviewed Journal; SJR=0.79).
- (**xxxvi**) Upadhyaya S and Saikia LR. 2011. Antioxidant activity, phenol and flavonoid content *Asparagus racemosus* Willd.; a medicinal plant grown using different organic regime, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 2(2):457-463, ISSN 0975-8585. (Peer reviewed Journal; SJR=0.14).
- (**xxxvii**) Upadhyaya S, Khatiwora E and Saikia LR, 2010. Comparison of total phenol and flavonoid content in *Adhatoda vasica*: grown using different organic manure. *Journal of Pharmacy Research*, 3(10): 2408-2409, ISSN 0974-6943. (Peer reviewed Journal; SJR=0.79).
- (**xxxviii**) Upadhyaya S, Khatiwora E and Saikia LR, 2010. Mineral element analysis of ethnomedicinally valued plants from Assam, India, *Asian J. Chem.*, 22(6): 4330- 4334, ISSN 0974-6943. (CARE List/UGC Approved, Peer reviewed Journal; SJR=0.14).
- (**xxxix**) Gogoi M, Upadhyaya S, Borkataky M, Kardong D and Saikia LR, 2010. Use of indigenous plants in traditional health care systems by Missing tribe of Upper Assam. *SIBCOLTEJO*, 5: 92-101, ISSN 0975-9867. (Peer reviewed Journal).
- (**xxxix**) Mahanta JJ, Saikia N, Upadhyaya S, Saikia LR and Sarma TC (2009): In vitro evaluation of mitotic and genotoxic effect of *Cymbopogon citratus* L.

extract on root meristem cells. *Jour. Advanced Pl. Sciences*, 4(3 & 4, 2009): 90 – 94, ISSN 0971-9350. (Peer reviewed Journal).

- (xl) Saikia L R & Upadhyaya S. 2007. Influence of different soil supplements on the growth and dry matter production of indigenous medicinal plant *Andrographis paniculata* Nees., *Eco. Env. & Cons.*, 13(2): 395-401, ISSN 0971- 765X. (CARE List/UGC Approved, Peer reviewed Journal; SJR=0.5).
- (xli) Saikia L R & Upadhyaya S. 2007. Phenological observations of certain medicinal herbs of Dibrugarh, *Bull. Life Sci.*, XIII: 41-53 ISSN: 0971-5746. (Peer reviewed Journal).

In Edited Books

- (xlii) D. Sharma, **S. Upadhyaya** and M.N. Pegu. 2025. Occurrence and Diversity of Arbuscular Mycorrhizal Fungi in Trap Cultures: A Review. *Frontiers on Recent Developments in Plant Science*. ISBN: 978-93-48070-78-4
- (xliii) D. Sharma and **S. Upadhyaya**. 2024. E.K. Janaki Ammal: A pioneering woman botanist. *Jyotirmoyee*. ISBN: 978-81-963743-7-2.
- (xliv) **S. Upadhyaya** and D. Sharma. 2024. Assamese women in the field of sports. *Jyotirmoyee*. ISBN: 978-81-963743-7-2
- (xlv) **S. Upadhyaya**. 2024. Chiyama Mulya Abhibridhi. *Bijnan Prabandha Bibidha*. ISBN: 978-93-5860-784-0.
- (xlvi) **Upadhyaya S.** & Khatiwara E 2023. “Bijmata ranibai Popre - ak Adarsha narisakti”. In *mandakranta* (Edited by Dr. Sumbita Gogoi & Dr. Bristi Dutta), Published by Amulya Kumar Borah, Golaghat, Assam, pp:163-166, ISBN: 978-81-963743-0-3
- (xlvii) **Upadhyaya S** & Saikia M 2021. “Total Phenolic content, Antioxidant and Antimicrobial Activity of *Caesalpinia bonducella* Flem. From Assam”. In *Research in Life Sciences* (Edited by Minuara Begum), Published by Amulya Kumar Borah, Golaghat, Assam, pp 226-234, ISBN: 978-81-947823-0-8.
- (xlviii) **Upadhyaya S** 2019. “Poribesh Niyantaranot Anujibo Aru Udvidor Bhumica”. In *Accelerating Science*, Published by Mr. Surajit Choudhuri, Siksha Karmachari Sabha, Sonitpur, Assam, pp 261-263, ISBN: 978-93-5382-423-5.
- (xlix) **Upadhyaya S** and Ahmed S 2019. Nutritional value, antioxidant activity, phenol and flavonoids contents of certain underutilized plants of Darrang district, Assam. In *Bioresources for sustaining life and livelihoods in North-East India*, (Ed.B.C. Chetia and F. Yasmin), Gigabytes press & publication, Nagaon, pp 93-100. ISBN: 978-93-85310-48-5.

- (i) Upadhyaya S 2018. Organic cultivation techniques for *Asparagus racemosus* in Upper Brahmaputra Valley Agroclimatic Zone. “Pragya” pp 228-231, ISBN: 978-81-938867-5-5 published by Mangaldai College Teachers’ Unit.
- (ii) Upadhyaya S 2018. “Bon-sakar gunagun”. In Accelerating Science, Published by Mr. Surajit Choudhuri, Siksha Karmachari Sabha, Sonitpur, Assam, pp 533-536, ISBN-93-82661-24-7.
- (lii) Upadhyaya S and Saikia L.R. 2014. Cultivation techniques for *Adhatoda vasica* Nees. and *Centella asiatica* (L.) Urban in Upper Brahmaputra Valley Agroclimatic Zone: an approach to sustainable agroecosystems management”. In “*Interdisciplinary Approach to Biological Sciences Research and Sustainable Development*”, (Ed. K. Das), Maharathi Prakashan, Jorhat. ISBN: 978-93-83230-03-7.
- (liii) Upadhyaya S. 2014. Owsadhi udbhid aru amar des. In “Science Galaxy” (Ed. R. Borah & J. Phukon), Published by C. G. Bora with Kaustubh Prakashan, Dibrugarh-01, Assam, ISBN: 978-93-82283-67-6.
- (liv) Upadhyaya S. 2013. Owsadhi udbhid-ati alokpat. In Accelerating Science, Published by Mr. Surajit Choudhuri, Siksha Karmachari Sabha, Sonitpur, Assam, pp 533-536, ISBN-93-82661-24-7.
- (lv) Upadhyaya S and Saikia L.R. 2009. Ex-situ conservation and Sustainable utilization of medicinal plants at Dibrugarh. In *Biodiversity- Herbal Medicine*, (Eds: D. Marngar and S. Jyrwa) Akansha Publishing House, New Delhi-110002, India, pp 140-147. ISBN-978-81-8370-154-9
- (lvi) Upadhyaya S and Saikia L.R. 2008. An approach to in-situ conservation and sustainable utilization of medicinal and aromatic plants (MAP) at Dibrugarh In. *Folklore medicinal plants of North East India for family planning and birth control*, (Eds. M.K.Saikia) Principal, Dhing College, Dhing-782123, pp 60-69.
- (lvii) Upadhyaya S and Saikia L.R. 2007. Conservation approach and cultivation practices of medicinal plants at Dibrugarh. National Seminar on “*Recent trends of Biological Research Towards Rural Development*”, pp.5-10, Ed. B. Saikia & S. Borah, 2007.

Book published

1. “Fundamentals of Biofertilizers” 2024. White Falcon Publishing, Chandigarh, India. ISBN: 978-93-48199-20-1
2. “Agrotechniques of Indigenous Medicinal Plants of Assam” 2014, Laxmi Book Publication, Solapur-413005, India, ISBN: 978-1-304-89386-4

Paper presented in International/National/Regional seminar and workshop-

1. Presented a paper entitled “...” in the International Conference on “Biodiversity, Food Security, Sustainability & Climate Change (ICBFSCC-2023)” organized by the Assam Agricultural University, Jorhat, Assam. & Prof. Srivastava Foundation for Science, Lucknow.
2. Presented a paper entitled “Antioxidant and antimicrobial activity and total phenolic contents of certain folk medicinal plants from Jorhat, Assam” in the Two-Day National Conference on “Frontiers in Chemical Sciences” held on 11th and 12th March, 2025 at Yashwantrao Mohite College of Arts, Science and Commerce, Pune.
3. Presented a paper entitled “Nutrient content and phytochemical analysis of some selected herbs used in Assamese cuisine” in the International Seminar on “Interdisciplinary approaches for a Sustainable world” held on 6th and 7th January, 2025 at CNB College, Bokakhat, Assam, India.
4. Presented a paper entitled “Ethnobotanical survey and biochemical evaluation of some selected plants used by the Tea garden community of Golaghat, Assam” in the Assam Botany Congress (ABC)-03 and International Conference on Biodiversity and Climate change: Challenges and opportunities for Nature-based solutions, held at Dibrugarh University from 11-13 November, 2024.
5. Presented a paper entitled “Evaluation of total Phenolic content in *Euphorbia nerifolia* leaves” in the National Seminar on “Recent Trends in Biological Sciences” organized by the Department of Zoology in Collaboration with Biotech Hub & IQAC, Anandaram Dhekial Phookan College, Nagaon, Assam, held on APRIL 29-30, 2024
6. Presented a paper entitled “Antifungal activity of some ethnomedicinal plants of Jorhat, Assam” in the National Conference on “Women scientists in plant health management for sustainable development goals” organized by Assam Agricultural University, Jorhat and Indian Phytopathological Society, New Delhi held on 22nd and 23rd December, 2023 at AAU, Jorhat, Assam.
7. Presented a paper entitled “Proximate analysis of certain non-conventional leafy vegetables of Assam, India” in the International Conference on “Next-Gen

Preparedness for Food Security and Environmental Sustainability” held from 22nd to 24th November, 2023 at AAU, Jorhat, Assam.

8. Presented a paper entitled “Zero budget Natural Farming (ZBMF) and its role in sustainable agriculture in Assam-a review. in the International Conference on “Next-Gen Preparedness for Food Security and Environmental Sustainability” organized by the Assam Agricultural University, Jorhat, Assam, held on November, 22-24, 2023.
9. Presented a paper entitled “Ethnobotanical and phytochemical analyses of plants used in gynaecological disorder” in the ICSSR Sponsored National seminar on “Role of women in developing North-East India in the context of 21st century” organized by Women’s Cell, DKD College, Dergaon on 6th and 7th October, 2023.
10. Presented a paper entitled “Nutritional value, antioxidant activity, phenol and flavonoids contents of certain under utilised plants of Darrang, Assam” in National Seminar on “Bioresources for sustaining Life and Livelihoods in North East India” held at Nagaon College, 4th and 5th October, 2018.
11. Presented a paper entitled “Nutrient profile and biological activity of different *Curcuma* species from rain forest areas of Assam” in National Seminar on “Harmony with nature in the context of Chemistry, Environmental Issues and Challenges” held at Pub Kamrup College, 11th &12th September, 2017.
12. Presented a paper entitled “Biochemical study of three species of *Clerodendron* from Assam” in National Seminar on “Prospects and Challenges of Chemical Education and Research Activities in the UG Colleges of Assam” held at Mangaldai College, 30th &31st August, 2016.
13. Presented a paper entitled “Ethnobotany and screening of plants for their biological activity from Rain Forest areas of Eastern Himalayas” In International Seminar on “Harnessing the Sub-Himalayan Plant Diversity for Human Welfare ” held at Dibrugarh University, 13-15th March, 2015.
14. Presented a paper entitled “Biological activity of some ethnomedicinal plants of Eastern Himalayas rain forest” in national seminar on “Recent trends in fundamental and applied chemical sciences” held at Dept. of Chemistry, Dibrugarh University, 19 -21st Nov. 2014.
15. Presented a paper entitled “Agrotechnique Development for *Adhatoda vasica* Nees. and *Centella asiatica* (L.) Urban in Upper Brahmaputra Valley Agroclimatic Zone: An Approach to Sustainable Agroecosystems Management” in national seminar on “Research in Biological Sciences for Sustainable

Development with the Application of Mathematics and Allied Branches” held at Bahona College, Jorhat, 10 -11th May, 2013.

16. Presented a paper entitled “Secondary metabolite*Asparagus racemosus*” in national seminar on “Biochemical and Biotechnological Research Approaches for Bio-resource Management of North East India towards Sustainable Rural Development” held at BN College of Agriculture, Biswanath Chariali, Assam, 11-12th Nov. 2011.
17. Presented a paper entitled “Secondary metabolite content of *Poederia foetida* collected from Dibrugarh and Tinsukia districts of Assam” in national seminar on “Pharmacovigilance for assuring Drug Safety” held at Dibrugarh University, Assam, 26-27th Nov. 2011.
18. Presented a paper entitled “An approach to sustainable development of agroecosystems in the Upper Brahmaputra Valley Agroclimatic Zone” in International Seminar on “River, Society and Sustainable Development” held at Dibrugarh University, Dibrugarh, Assam, 26-29th May, 2011.
19. Presented a paper entitled “Trial on organic cultivation..... agroclimatic zone” in the 56th Annual Technical Session of Assam Science Society organized by Dibrugarh Branch at Dibrugarh University on 26th March, 2011.
20. Presented a paper entitled “Diversity of ethnomedicinal Brahmaputra Valley” in a U.G.C. sponsored National Seminar on “Plant Diversity: Aspects and Prospects” held at Vidyasagar University, West Bengal, 9-10 March, 2011.
21. Presented a paper entitled “Antioxidant activity, phenol and flavonoid content of some folk medicinal plants of Dibrugarh” in U.G.C. sponsored National Seminar on “Recent Trends in Traditional Phytotherapy: Safety, Efficacy, Drug discovery & priority issues” held at Namrup College, Dibrugarh, Assam, 2-3 December, 2010.
22. Presented a paper entitled “Studies on the antioxidant activity, phenol and flavonoid content of a medicinal herb *Andrographis paniculata* (Burm.f.) Nees grown using different organic manures” in International Ayurvedic Congress, NE India 2010, held at NEIST, Jorhat.
23. Presented a paper entitled “Organic cultivation of two indigenous medicinal plants-*Adhatoda vasica* Nees. and *Centella asiatica* (L.) Urbn. at Dibrugarh in U.G.C. sponsored National seminar on Global Climate Change: Frontier Research in Biological Sciences, Dept. of Life Sciences, Dibrugarh University, Dibrugarh, Assam, 12th Feb.2010.

24. Presented a paper entitled “Eco-friendly manures on root yield of indigenous medicinal plant-*Asparagus racemosus* at Dibrugarh” in a U.G.C. sponsored National Seminar on “Biodiversity-strategies for conservation” held at North Bank College, Lakhimpur, Assam, 4-5 Dec, 2009.
25. Presented a paper entitled “Medicinal Plant Germplasm conservation at Dibrugarh University” in 96th Indian Science Congress held at North Eastern Hill University, Shillong, from January 3 to 7, 2009.
26. Presented a paper entitled “Evaluation of soil quality at different areas of D.U. campus in relation to distribution of medicinal plants” in a U.G.C. sponsored National Seminar on “Recent Trends in Biodiversity; Exploitation, Conservation and Management” held at Gargaon College, Sivasagar, Assam, 14-15 November, 2008.
27. Presented a paper entitled “Conservation approach and cultivation practices of medicinal plants at Dibrugarh” in U.G.C. sponsored National Seminar entitled “Recent Trends on Biological Research Towards Rural Development”, Chaiduar College, Gohpur, 13 – 14 October , 2007.
28. Presented a paper entitled “*Ex-situ conservation and sustainable utilization of medicinal plants at Dibrugarh, Assam*” in U.G.C. sponsored National Seminar on “Biodiversity: Herbal Medicine”, Synod College, Shillong, 20 – 21 September, 2007.
29. Presented a paper entitled “*An approach to in-situ -ex-situ conservation and sustainable utilization of medicinal and aromatic plants (MAP) at Dibrugarh*” in U.G.C. sponsored National Seminar on “Folklore Medicinal Plants of North East India for Family Planning and Birth Control”, Dhing College, Nagaon, Assam, 3rd - 4th August 2007.
30. Presented a paper entitled “*Development of sustainable practice of production through organic cultivation of a value added medicinal plant Andrographis paniculata* Nees. at Dibrugarh” in U.G.C. sponsored Regional Seminar on “Ecofriendly approach for sustainable development of biodiversity in NE India”, Manohari Devi Kanoi Girls’ College, Dibrugarh, Assam, 7th July 2007.

Participation in Induction Programme/Refresher course/ Faculty Development Program/Workshop/Training/Seminar

1. Completed UGC sponsored Online Short Term Course on “Artificial Intelligence & Machine Learning in Teaching” during 25th June to 1st July, 2024 organised by

- the UGC Malaviya Mission Teacher Training Centre, Aligarh Muslim University, Aligarh.
2. Completed UGC-sponsored Two weeks long Refresher course on “Refresher course in Botany” during 27th October to 11th November, 2023 organized by UGC-HRDC, NEHU, Shillong, Meghalaya.
 3. Completed Two Weeks Interdisciplinary Refresher Course on “Research Methodology” during 22nd December - 5th January, 2022 organized by TLC, Ramanujan College, University of Delhi under the aegis of Ministry of Education, PMMMNMTTC.
 4. Completed One week Interdisciplinary Faculty Development Programme on “Basics of Research” from 18th June-24th June, 2021 organised by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi in collaboration with PARAMARSH, UGC SCHEME.
 5. Completed One Week Faculty Development Program on “Online Teaching and Assessment Pedagogy” during August 24th to 29th, 2020 Organized by Dibrugarh University Institute of Engineering and Technology in collaboration with Dr. SSBUI CET, Panjab University under TEQIP-III
 6. Completed the month long Induction Training of Faculty during June 11th to July 10th, 2019 organised by TLC, Tezpur University under the aegis of MHRD Under PMMMNMTT.
 7. Participated in the Hands – on – training programme on “Application of Bioinformatics tools in Life Sciences” organized by Institutional Level Biotech Hub, Mangaldai College, Assam, on 16th-19th Feb. 2019.
 8. Participated in the One week Faculty Development Programme on “Use of ICT Tools for classroom teaching” organized by E & ICT Academy, IIT, Guwahati in association with Mangaldai College, Mangaldai College, Assam, from 12th-17th Nov. 2018.
 9. Participated in the Workshop on “the use of ICT” organized by Woman’s Studies Research Cell, Mangaldai College, Assam, on 11th-15th June. 2018.
 10. Participated in the Hands – on – training programme on “Basic Tools and techniques of Microbiology & Immuno-Haematology” organized by Institutional Level Biotech Hub, Mangaldai College, Assam, on 26th-28th Oct. 2017.
 11. Participated in the “7th Woman Convention, 2015” organized by Woman’s Cell’ ACTA’ Assam held at Nalbari College on 30th September, 2015.

12. Participated in the National Seminar on “Woman Empowerment: Issues and Challenges” organized by Department of Economics, Mangaldai College on 11th & 12th September, 2015.
13. Participated in the 4th Indian National Seminar of ASIAN Network of Research on Antidiabetic Plants (ANRAP) “Plants in Diabetes: Prospects & Challenges” held at Dibrugarh University on 13th March, 2015.
14. Participated in the Training programme on “Chemoinformatics and Rational Drug designing” organized by Bioinformatics Infrastructure Facility, Centre for Studies in Biotechnology, Dibrugarh University during 22nd – 24th September 2014.
15. Participated in the Short Term Training Programme on “Analytical Instruments” organized by Guwahati Bioteck Park during July 23 – July 25, 2014.
16. Participated in the workshop on “Statistical Modelling in Addressing Biological Phenomena” organized by Department of Statistics, Dibrugarh University, during 25th Feb. – 1st March, 2014.
17. Participated in the workshop on “Drug precursors from natural resources” organized by Department of Chemistry, Dibrugarh University, Dibrugarh-786004, Assam held on 29th March, 2011.
18. Participated in a U.G.C. Sponsored “National Seminar on Biostatistics” held at Department of Statistics, Dibrugarh University, 26th-27th February, 2010.
19. Participated in a training programme on “Biotechnology and Bioinformatics Tools in Teaching and Research” organized by the Bioinformatics Infrastructure Facility, held at Centre for Studies in Biotechnology, Dibrugarh University, Dibrugarh-786004, Assam, 11-13 March, 2010.
20. Participated in the workshop on “Herbal Drug Technology (Utilization of medicinal plants of N.E. India)” organized by the Indian Pharmaceutical Association, Assam State Branch In association with Department of Pharmaceutical Sciences, held at Department of Phramaceutical Sciences, Dibrugarh University, Assam, 9th-12th February, 2010.
21. Participated “U.G.C. sponsored programme for Ph.D. Scholars (Science)” held at Academic Staff College, Gauhati University, 9th -29th March, 2009
22. Participated in the workshop on “SPSS16.0 Faculty Development Program” organized by SPSS South Asia and Department of Statistics, Dibrugarh University, on 19th -20th September 2008.
23. Participated in the workshop on “Statistical and Computing Methods for Life Science Data Analysis” organized by the Biological Anthropology Unit, Indian

Statistical Institute, Kolkata, held at Department of Anthropology, Dibrugarh University, Assam, 9th-14th February, 2007.

Members of the Professional Bodies & Institutions.

1. Life Member, Indian Science Congress.
2. Life member, Assam Science Society.

Others

(A) Popular scientific talks.

- i) “Paribesh pariskarat anujiba aru udvidar bhumika” Scientific talk, AIR, Dibrugarh, 11.01.2011.
- ii) “Gandhabirina abidh bahul samvawanapurna ghah” Scientific talk, AIR, Dibrugarh, 13.07.2010.
- iii) “Oushadi udbhid aru eyar sangrakhyan” Scientific talk, AIR, Dibrugarh, 21.03.2010.
- iv) “Banaj sampad” talk, AIR, Dibrugarh, 21.09.2008.
- v) Seminar on “Environmental Sciences: Its Importance and Challenges” organized by the Department of Botany, Doomdoma College, Tinsukia, 12th October, 2007.

(B) Popular article published

- (i) “Asomor Sahaki Bananchal: Ousadhi udbhid aru eyar sanrakshan.” “Banajyoti” ‘Souvenir’ Annual Conf., All Assam Forest Employees Association, Bongaigaon, 13 & 14 Vol. VIII, page 6-7, Dec. 2006.

C) Resource person

- (i) Summer studentship training programme organized by Institutional Level Biotech Hub, Mangaldai College held from 1st June to 30th June , 2018
- (ii) Summer studentship training programme organized by Institutional Level Biotech Hub, Mangaldai College held from 1st June to 30th June, 2016

(D) Miscellaneous

- (i) Participated as Guide teacher in “Science Exhibition/Model Competition” held on 20th Sept. 2018 at Mangaldai College.

(ii) Involved in organization of District level Children's Science Congress held on 30.09.2018 at Mangaldai College

(iii) Participated as Guide teacher in "Science Exhibition/Model Competition" held on 1st September, 2015 at Mangaldai College.

(Sristisri Upadhyaya)