

CURRICULUM VITAE

Part-I: Basic Information

1. Name of the Faculty Member : DR. KUMUD DAS
2. Date of Birth : 26-02-1977
3. Father's Name : Dulal Das
4. Mother's Name : Late Jula Das
5. Present Address : C/o Anil Ch. Nath, LNB Road, House No. 410, South Haibargaon, District: Nagaon-782002, Assam
6. Date of Joining : 07-12-2016
7. Present Designation : Assistant Professor (Stage-II)
8. Academic Qualification : M. Sc., M. Phil, Ph. D.
- 9.



Part-II: Information of Academic Development

[A] Previous Experience (Research/Teaching):

Sl. No.	Positions held	Name of the Institute	From	To
1	JRF	Department of Forestry, NERIST, Nirjuli-791109, Arunachal Pradesh	01-11-2003	30-04-2004
2	JRF	Department of Life Sciences, IASST, DST, Guwahati-35, Assam	07-07-2004	01-04-2007
3	JRF	Department of Ecology and Diversity, RFRI, ICFRE, Jorhat-10, Assam	21-06-2007	31-05-2009
4	Assistant Professor (UGC-FIP Scheme)	Department of Botany, Gargaon College, Simaluguri, Sivasagar-785686, Assam	04-08-2014	31-01-2016

[B] Ph. D. : “Studies on PGPR and symbiotic fungi from Dibru-Saikhowa Biosphere Reserve Forest and field application of a few isolates with reference to pulse production”.

Name of the Institute : The Gauhati University, Guwahati, Assam

Year and Number of Registration : 2007 and No. 000534

Name of the Supervisor : Dr. P. Azad, IASST, Paschim Boragaon, Guwahati, Assam
Dr. S. Sarma, Department of Biotechnology, Gauhati University

Part-III: Research Publications/FDP/OC/RC/Award/Fellowship/Recognition/Membership etc.

A. Research Papers :

1. Saikia, R., Das, K., Deka, S. and Azad, P. (2004). Status and prospects of soil microbial diversity of Dibru-Saikhowa Biosphere Reserve Forest. *Himalayan Biosphere Reserves*, **6**(1&2): 61-63.
2. Bora, H. R., Yadav, A., Das, K. and Kumar, R. (2010). *Bellanophora deoica* R.Br.Ex. Royle (Balanophoraceae) - A rare total root parasite reported from Karbi-Anglong district, Assam, India. *J. Econ. Taxon. Bot.* **34**(2): 298-299.
3. Das, K., Saikia, R., Deka, S., Sarma, S. and Azad, P. (2010). Studies on edaphic factors and rhizosphere mycoflora associated with Gramineae family of Dibru-Saikhowa Biosphere reserve forest of Assam. *J. Econ. Taxon. Bot.* **34**(4): 863-868.
4. Das, K., Deb, S. and Arunachalam, A. (2011). Effect of earthworm and plant residues for soil enrichment under agroforestry systems for north-east India. *Indian J. Soil Conservation*, **39**(1): 73-79.
5. Das, K. and Nath, R. (2013). Eco-toxicological impacts of Nagaon Paper Mill effluents with reference to fresh water micro-biota. *Journal of Bio-Protocols*, **2**(1): 58-62.
6. Das, K., Saikia, R. and Azad, P. (2013). *In- vitro* p-solubilizing activity of selected soil microorganisms isolated from Dibru-Saikhowa Biosphere Reserve Forest of Assam. *Indian J. Plant Sciences*, **2**(1): 10-18.
7. Das, K., Nath, R. and Azad, P. (2013). Soil Microbial Diversity of Dibru-Saikhowa Biosphere Reserve Forest of Assam, India. *Global Journal of Science Frontier Research*, **13**(3): 7-13.
8. Das, K., Saikia, A. and Sarma, S. (2021). Effect of AM Fungi on Black Gram [*Vigna mungo* (L.) Hepper] productivity from the Rhizosphere Soil of Dibru-Saikhowa Biosphere Reserve (DSBR) Forest of Assam, India. *Research Journal of Agricultural Sciences*, **12**(5): 1590-1595.
9. Das, K., Saikia, A. and Sarma, S. (2023). Characterization, screening and application of Rhizobial isolates on Black gram [*Vigna mungo* (L.) Hepper] productivity from the Rhizosphere Soil of Dibru-Saikhowa Biosphere Reserve (DSBR) Forest of Assam, India. *Journal of Plant Science Research*, **39**(1): 01-15.
10. Narkhede, S., Priya, G.D., Das, K., Khan, Y. and Deshmukh, M. V. (2024). Exploring Microbial Techniques for Enhanced Bioremediation in Agricultural settings. *Revista Electronica de Veterinaria*, **25**(1): 1695-7504.
11. Dwivedi, S., Behera, P.R., Das, K., Barwant, M. M. and Singh, A. (2024). Endophytic fungi as a Noval source of medicinally important secondary metabolites. *African J. Biomedical Res.*, **27**(4s): 9718-9722.
12. Narkhede, S., Shrivastava, R. and Das, K. (2024). Traditional Knowledge and Modern Oncology: Ethnobotanical Insights into Anticancer Plants. *African J. Biomedical Res.*, **27**(4s): 15769-15772.
13. Yasmeen, M., Barwant, M. M., Sawdekar, J. H., Jadhav, V.G. and Das, K. (2025). Comprehensive insights into the impact of Microcystis on aquaculture: challenges and future prospectives. *International J. Life Sci.*, **13**(1): 55-64.
14. Kalita, G., Kayang, H. and Das, K. (2026). Effect of rhizospheric bacteria on seed germination, seedling growth and development of millet. *Journal of Advances in Biology and Biotechnology*, **29** (4): 178-188. DOI: <https://doi.org/10.9734/jabb/2026/v29i43780>.

B. Books Chapters :

1. **Kumud Das**, Rubul Saikia, Suneswar Sarma and Padum Azad (2012). Microbial population dynamics in Wetland soils of Dibru-Saikhowa reserve forest with reference to physic-chemical properties. *Current Issues of Conservation and wise use of wetlands in NE Region India*, Published by the Principal, Dhing College, Nagaon, Assam. **ISBN No.:** 978-81-202-8869-7.
2. Jenima Sultana, Parineeta Raja and **Kumud Das** (2017). Traditional Uses of some medicinal Herbs by the ethnic people in and around Salna Tea Estate of Nagaon district of Assam. Published by the Principal, Dhing College, Nagaon, Assam. *Herbal medicine-A rational approach in health care system with special reference to NE India*. **ISBN No.:** 978-81-202-9871-2.
3. **Kumud Das** and Jenima Sultana (2019). Study on Traditionally Used weeds by some Ethnic people of Salna Tea Estate of Nagaon district, Assam. *Convergence*, Purbayon Publication, Guwahati-14, Assam. **ISBN No.:** 978-93-88593-33-5.
4. **Kumud Das** and Jenima Sultana (2020). Anthropogenic Threats and Biodiversity Conservation Strategy in Chapanala Forest Area of Nagaon District. *Environment Concerns: Problems and Prospective solutions*, Knowledge Publications, Panbazar, Guwahati-01, Assam. **ISBN No.:** 978-81-933014-9-4.
5. **Kumud Das** and Jenima Sultana (2021). Study on Cultivation and Yield of Mushroom [*Pleurotus sajor-caju* (Fr.) Sing.] in different Agricultural Waste Substrates. *Significance of Indian Medicinal Plants and Mushrooms (Volume-I)*, Krishna Publication House, No. 303, Anantwadi, Bhavnagar, Gujarat. **ISBN No.:** 978-93-90627-49-3.
6. Geetika Kalita and **Kumud Das** (2022). Diversity of Wild Edible Mushroom in Morigaon district of Assam, India. *The Mushroom: An Incredible Natural Resource*, Blue Rose Publisher, Dariyaganj, Delhi-2. **ISBN No.:** 978-93-5628-257-5.
7. Geetika Kalita and **Kumud Das** (2022). Ornamental plants used as indoor gardening and their importance. *Plants & their application in different Fields*. Nitya Publications, Bhopal, India. **ISBN No.:** 978-93-94894-27-3.
8. Geetika Kalita and **Kumud Das** (2022). Plants used for different household purposes by Tiwa Tribe and their Conservation strategy in Morigaon district of Assam. *Environment Conservation, Challenges Threats in Conservation of Biodiversity (Volume-IV)*, Scieng Publications, Maniyakar Street, Anumandai, Villupuram District, Tamilnadu-604303. **ISBN No.:** 978-93-94766-26-6.
9. Salman Hussain, Nripen Kumar Gogoi and **Kumud Das** (2023). Isolation of Endophytic microbes from *Acacia pennata* (L.) Willd. And their antifungal activity against *Rhizoctonia solani* Kuhn. *Research in Mycology (Volume-II)*, Blue Duck Publications, Srinagar, J & K. **ISBN No.:** 978-93-93996-47-3.
10. Krishna Borgohain and **Kumud Das** (2023). The ethnic beliefs on sacred plants and animals of different tea tribes in an around Dibrugarh district of Assam, India. *Applied Trends of Life Sciences*, Scieng Publications, Maniyakar Street, Anumandai, Villupuram District, Tamilnadu-604303. **ISBN No.:** 978-93-94766-40-2.
11. Manuranjan Borah and **Kumud Das** (2024). Ethnomedicinal plants used by the villagers of Langhin area of East Karbi Anglong, Assam. *Science Synergy: Exploring Interdisciplinary Frontiers*, Bhumi Publishing, Kolhapur, Maharashtra-416207. **ISBN No.:** 978-93-95847-07-0.
12. **Kumud Das**, Raihan Ahmed and Geetika Kalita (2024). Sustainable Tourism and Socio-economic Development at Hot water Spring in Garampani Wildlife Sanctuary, East Karbi Anglong District of Assam. *Ecology Environment & Endangerment*, B h a r t i Publications, Darya Ganj, New Delhi-110002. **ISBN No.:** 978-93-48059-71-0.
13. Ronalson Terang and **Kumud Das** (2025). An integrated and therapeutic approach of medicinal plants within the tribal people during winter and summer seasons in Baithalangso, West Karbi Anglong District of Assam. *Symphony of Integrative Biology and Pharmaceutical Sciences (Volume I)*, Chendur Publishing House, Parasakthi Nagar, Camroad, Selaiyur, Chennai-73, Tamil Nadu. **ISBN No.:** 978-81-992693-8-5.

C. Books Edited :

1. **Kumud Das (2024):** "Futuristic Trends in Agriculture Engineering & Food Sciences" published by Iterative International Publishers (IIP), Selfpage Developers Pvt. Ltd. K.M. Road, Chikkamagaluru, Karnataka- Mannargudi,

Tamilnadu-614001. **ISBN No.:** 978-93- 5747-730-7, Volume 3, Book 14, IIP series.

D. Books Published :

1. **Kumud Das (2024):** “Diseases of Fruits and Plantation Crops and their Sustainable Management” published by Scientific International Publishing House, Mannargudi, Tamilnadu-614001. **ISBN No.:** 978-93-6674-305-9.
2. **Kumud Das (2026):** “Introduction on Biochemistry” published by Scientific International Publishing House, Mannargudi, Tamilnadu-614001. **ISBN No.:** 978-93- 7196-727-3.
3. **Kumud Das (2026):** “A Textbook of Plant Physiology” published by Chandralok Prakashan, Kanpur Nagar-208021, Uttar Pradesh. **ISBN No.:** 978-93-93561-77-0.

E. Patents:

1. Indian Design Patent: Laboratory device for the analysis of Curcuma longa extract. Application Number: 455459-001, CBR No. 208084, Date of application: 15/04/2025, Date of Published: 10/07/2025.
2. Indian Design Patent: Photoelectric device for real-time Plant Photosynthesis Monitoring. Application Number: 465109-001, CBR No. 214614, Date of application: 09/07/2025, Date of Published: Date of Published: 04/12/2025.
3. UK Design Patent: Design for Edible Algal Film for Food Wrapping. Application Number: 6453235, Date of application: 24/06/2025, Date of Published: 01/07/2025.

F. Faculty Development Program (FDP)/PDP/Orientation and Sensitization Programme :

1. Participated in two Week FDP on “**ICT Tools for Classroom Teaching**” organized by Electronics & ICT Academy, MeitY, Govt. of India and IIT Guwahati from 06-21 September, 2017 (16 days).
2. Participated in One week FDP on “**Gender Concerns in Educations**” organized by Centre for Women Studies, Dibrugarh University from 26th May to 1st June, 2020.
3. Participated in One week FDP on “**Research Methodology**” organized by Kumar Bhaskar Varma Sanskrit and Ancient Studies University, Nalbari, Assam from 24th June to 30 June, 2020.
4. Participated in an FDP on “**Moodle Learning Management System and Latex Training**” jointly organized by Nowgong College (Autonomous) and IIT Bombay during January Semester, 2020.
5. Participated in One week FDP on “**Learning Pedagogy and Effective use of Case Methodology**” organized by ASMA Institute of Management, Pune, Maharashtra from 17-21 May, 2020.
6. Participated in One Week FDP on “**Intellectual Property Rights**” jointly organized by Nalbari College and Electronics & ICT Academy, MeitY, Govt. of India and IIT Guwahati from 21-27 June, 2021.
7. Participated in One Week FDP on “**Research Methodology and Project Writing**” organized by Institutional Development Plan (IDP) Cell, Rama Devi Women’s University, Bhubaneswar, Odisha from 07-11 July, 2021.
8. Participated in One Week FDP on “**Imparting Online Teaching-Learning Methodology**” organized by Electronics & ICT Academy, MeitY, Govt. of India and IIT Guwahati from 21-27 March, 2022.
9. Participated in One Week FDP on “**ICT Tools for Teaching Learning Process and Higher Educational Institutions**” organized by Govt. Mahakoshal Arts & Commerce College (Autonomous), Jabalpur, M.P. from 27th Feb. to 6th March, 2023.
10. Participated in Nine Days “**UGC-Approved Short Term Professional Development Programme on Implementation of NEP-2020 for University and College Teacher’s**” conducted by IGNOU, New Delhi from 12-20th June, 2023.
11. Participated in Ten Days “**UGC-Approved NEP 2020 Orientation and Sensitization Programme-7 University and College Teacher’s**” conducted by MMTTC, University of Burdwan, West Bangal from 5th to 14th March 2024.
12. Participated in Ten Days “**UGC-Approved NEP 2020 Orientation and Sensitization Programme-7 University and College Teacher’s**” conducted by MMTTC, Gauhati University,

Assam from 19th to 28th June 2024.

G. Research paper presented/abstracts :

1. K. Das, S. Deb and A. Arunachalam: Contribution of earthworm in soil nutrient enrichment under different residue treatment. National Seminar on Current Trends of Research in Science & Technology organized by *Assam Science Society* at Gauhati University, Guwahati on 28-29th January 2005.
2. S. N. Phukan and K. Das: Microbial diversity in the air over a field of potato in the district of Lakhimpur. National Seminar on Biodiversity Conservation and Future Concern at Gauhati University organized by *North East Biotechnological Association (NEBA)* on 17-18th June, 2005.
3. R. Saikia, K. Das, N. Nesa and P. Azad: *In-vitro* Evaluation of the P-solubilizing activity of soil microorganisms from Dibru-Saikhowa Biosphere Reserve. National Seminar on Challenging Frontiers in Applied Zoology organized by *Zoological Society of Assam & Department of Zoology, Rangia College*, Rangia, Assam on 25-26th August, 2006.
4. K. Das, R. Saikia, S. Deka and P. Azad: Soil Microbial Diversity of Dibru-Saikhowa Biosphere Reserve with reference to physico-chemical properties. 53rd Annual Technical Session. The seminar was organized by *Assam Science Society* at College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati on 15th March, 2008.
5. D. J. Das, K. Das, B. Nayak, P. Barman and U. Shankar: Species Level Mapping of Plant Resources of Upper Assam – A grid-based approach. National Seminar on Bio-piracy-Imminent threat to the Conservation of Biodiversity and Bio-Prospecting of the Flora and Vegetation of the North Eastern Region. The seminar was organized by *Research Monitoring Cell, DKD College*, Dergaon, Golaghat on 7-8th Nov., 2008.
6. D. J. Das, P. Barman, K. Das, A. Yadav, and R. Kumar: Potentiality of Geospatial technology in Biodiversity Conservation and Management of North East India. National Seminar on Bio-piracy-Imminent threat to the Conservation of Biodiversity and Bio-Prospecting of the Flora and Vegetation of the North Eastern Region. The seminar was organized by *Research Monitoring Cell, DKD College*, Dergaon, Golaghat on 7-8th Nov., 2008.
7. K. Das, A. Das and S. Das: Evaluation of present Socio-Economic Status of Scheduled Castes Community in Majuli, Assam. National Seminar on Dr. B. R. Ambedkar: India's Man of Millennium for Social Justice. The seminar was organized by *Dr. B. R. Ambedkar Study Centre, Dhemaji College*, Dhemaji on 8th January, 2009.

H. Seminar/Workshop/Symposium/Training Attended or Participated:

1. **National Seminar** “*Value addition to Bioresources of N.E. India, Postharvest Technology and Cold Chain*”, organized by Department of Botany, Gauhati University & ASTEC, Guwahati on 19-21st May, 2006.
2. **National Workshop** on “*Bioinformatics and its Future Prospects*”, organized by Department of Botany, Gauhati University & DOEACC Centre Guwahati/Tezpur, Ministry of Communication & Information Technology, Govt. of India on 9th June, 2006.
3. **National Workshop** on “*Agriculturally Important Microorganisms of N.E. Region for Integrated Nutrient and pest Management*”, organized by Institute of Advanced Study in Science and Technology (IASST), Paschim Boragaon, Guwahati-35 on 9-14th October, 2006.
4. Farmers Training on “*Scientific Management of Bamboos in Nursery, Plantation and Storage*”, organized by Rain Forest Research Institute (RFRI), Sotai, Jorhat, Assam on 19th September, 2007.

I. Orientation Course/ Refresher Course :

1. Orientation Course (OC) completed from UGC-HRDC, Gauhati University, Guwahati, Assam from 14th February to 13th March, 2019.
2. Refresher Course (RC) completed from UGC-HRDC, NEHU University, Shillong, Meghalaya from 27th October to 11th November, 2023.

J. Received professional Recognition/Award/Prize/Fellowship etc. :

1. Rajiv Gandhi National Fellowship (RGNF) from UGC, New Delhi during 2012

