

CURRICULUM VITAE



Name: DR. PRANJAL MORANG

Date of birth: 01-01-1983

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Address for communication: Department of Botany
Rabindranath Tagore University, Hojai, Assam, India
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Teaching and Research experience: 09 years of Teaching (UG) and 06 years of research experience in the field of Sustainable Agriculture, plant microbes interaction.

Present Position:

Associate Professor, Dept. of Botany, Rabindranath Thakur Vishwavidyalaya (RTV), Hojai, Assam, India

Other academic and administrative responsibilities:

1. OSD, VC Secretariat, RTV
2. University Samarth Nodal Officer, RTV
3. Joint Director, IQAC, RTV
4. Coordinator Admission related All Affiliated College of RTV
5. Institution Nodal Officer, National Scholarship portal, RTV
7. Member, Admission Committee, 2025-26
8. Convener, Admission Committee, 2026-27
9. Member, ST/SC representative for CAS
10. Member, DPC, Non Teaching staff
11. Member, various tender opening Committee
12. Supervising officer, Theory Examination 2025
13. Member, PG Board of Study (Botany)
14. Member, Departmental Research Committee
15. VC Nominee, DPC of Dr. Onkita Mishra, Department of Bengali under CAS at Lumding college

16. VC Nominee, DPC of Anjan Paul, Department of Bengali under CAS at Lumding College
17. VC Nominee, DPC of Dr. Uttam Das, Department of Pol. Science, Lumding College.

Awards/Fellowship/honors/ Membership of Professional Societies:

1. Post Doctoral Fellow (2014 to 2017) under the University Grant Commission, New Delhi.
2. Awarded for Best performance in Quiz at the ASM virtual workshop on “Art of Science Communication”
3. Rajiv Gandhi National fellowship (ST/SC) Junior Research Fellow (2008-2013) University Grant Commission, New Delhi.
4. 19th Rank in the Dibrugarh University for B.Sc. Botany.
5. Life Member, Association of Microbiologists of India (AMI)
6. Life Member, Indian Society of Mycology and Plant Pathology (ISMPP)
7. Annual Member, Assam Science Society, Ghy, Assam
8. Editor, Open access journal of Agricultural Research.

Current field of research interest:

1. Plant health and soil fertility management through bacterial/fungal strains for sustainable agriculture
2. Biological Control, Induced systemic resistance (ISR), Integrated disease management (IDM)
3. Plant microbe interaction, PGPR, PGPF

Country visited:

1. Students Field Trip to ‘Gelephu’ Bhutan in the year 2018
2. International Conference on “Plant Science and Agriculture” held in November’ 2019 at Bangkok, Thailand.

Chairperson/ Keynote speaker/Invited talk/ Papers presented in the Conferences/seminar

1. Keynote speaker for the workshop on “IPR and Research Ethics” organized by Birjhora Mahavidyalaya in collaboration with ASTEC, Assam held on 22/11/2023.
2. P. Morang, Presented a paper in the International Conference organized by Centre for Knowledge system Bongaigaon College sponsored by ICSSR, New Delhi held on 24-25 January, 2025
3. P. Morang, Presented a paper in the international Seminar on “Interdisciplinary approaches for sustainable World” held on 6-7 January, 2025 at CNB College, Bokakhat, Assam India.
4. P. Morang. Presented a paper on “Environmental Education and NEP 2020” in the ICSSR sponsored National Seminar held on 18-19th November, 2022 organized by Dept. of Education Dimoria College, Khetri Kamrup Assam.
5. P. Morang, Presented a paper “*In vitro* solubilization of Rock Phosphate.....” in the International Conference on Emerging Frontiers in Biological Sciences: Focus on Climate Change, organized by Dept. of Botany, USTM and Bodoland University in Collaboration with Botanical Society of Assam, held on 15-17th May, 2024.
6. Invited talk on “Integrated approach to management of brown root rot disease of tea (*Camellia sinensis* (L) O. Kuntze)” organized by Herald Meetings and the Editors of Journal of Aquaculture and Fisheries Open Access. International Conference on plant Science and Agriculture, held in November’ 2019 at Bangkok, Thailand.
7. **P. Morang** “Integrated approach to management of brown root rot disease of tea. Paper presented in National Seminar on “Exploration and utilization of bioresource of NE India” organized by Botanical Society of Assam, India held on 28-29 October, 2018.
8. Invited Speaker (Resource person) in the hands on Training Programme on “Basics Tools and Techniques in Microbiology and Molecular Biology” at Magaldoi College, held on 3-5th October, 2016 Sponsored by DBT, India organized by ILBH, Mangaldoi College, Assam.
9. **P. Morang**, B.K. Dutta, D.K. Jha and Dileep Kumar B.S ”Induced systemic resistance against brown root disease of tea by application of PGPR” Paper (poster) presented in

International Conference organized by Jawaharlal Nehru University, New Delhi, from 07-10 December' 2015

10. **P. Morang**, B.K. Dutta, D.K. Jha and Dileep Kumar B.S. "Growth promotion and disease suppression effect of plant growth promoting rhizobacteria (PGPR) on brown root rot disease of tea" Paper presented in National symposium on Molecular biology and biotechnology research in N.E. India organized by Pub Kamrup College, from 19-21 August, 2015
11. **P. Morang**, B.K. Dutta, D.K. Jha and Dileep Kumar B.S. "Integrated approach to management of brown root rot disease of tea" Paper presented in National symposium on Challenges and management approach for the crop diseases of national importance-status and prospects, organized by ISMPP and Tamil Nadu Agricultural University, from 12-14 Feb' 2015.
12. **P. Morang**, B.K. Dutta, D.K. Jha and Dileep Kumar B.S. "Growth promotion and disease suppression effect of isolated plant growth promoting rhizobacteria (PGPR) against brown root rot disease of tea" Paper presented in National Symposium on "Unravelling plant-microbe interactions for supporting plant health" organized by Department of Botany Gauhati University, Ghy-14 from 27-28, Oct. 2014.
13. **P. Morang**, B.K. Dutta and Dileep Kumar B.S. "Root diseases of tea (*Camellia sinensis* (L) O. Kuntze) plant and their control measure- A review. Paper presented on "International Conference on Global Ecosystems, Biodiversity and Environmental Sustainability in the 21st Century" organized by Department of Ecology and Environmental Science, Assam University, Silchar from 15-17 February, 2012.
14. **P. Morang**, Dutta B.K. and Dileep Kumar B S. "Efficacy of systemic fungicides against Brown root rot (*Fomes lamoensis*) disease of tea *in vitro* and in nursery condition" . Paper presented in 24th Annual general meeting of Indian Phytopathological Society (Eastern Zone), 2011 & National Symposium on "Microorganisms and Plant Health" organized by Department of Botany Gauhati University, Ghy-14 from 4-5, Nov. 2011.
15. **P. Morang**, Sarma, A.R, Dutta, B.K. and Dileep Kumar, B. S "Biological control of brown root rot disease of tea (*Camellia sinensis* (L) O. Kuntze)". Paper presented in National Seminar On Biodiversity conservation (Forest and Land Resource Management)

organized by Department of Ecology & Environmental Science, Assam University, Silchar from 4-5 March 2010.

16. **P. Morang**, Gogoi, B.K., Dutta, B.K. and Dileep Kumar, B. S. “Growth promotion and Control of brown root rot of tea through rhizobacterial strain under the agro-climatic condotionds of Barak Vallry of Assam. Paper presented on the “First Asian PGPR Congress for Sustainable Agriculture” held at Hyderabad from 21-24th June 2009.

Paper published/communicated in Journal/Edited book

1. **Morang, P.** and Bhattachrjee, S. (2025). Ginger (*Zingiber officinale* Rosc.): A potential plant of Assam: A review. Life Science: A Renaissance Approach. Bhumi Publishing, Maharashtra, India Pp.39-52.
2. **Morang, P.** Barman N., and Deka, B. (2025). Editor “Sustainable Development: A Multidisciplinary Way Forward” (A Peer Reviewed Edited Book).
3. **Morang, P.** Bhattacharjee, S., and Doley, S.N. (2024). Stem and root diseases of tea and their control measures with special reference to Assam, India: A review. Journal of Agricultural Research 9 (4):000381.
4. **Morang, P.** Devi, S.P (2023). Integrated Approach to Management of Brown root rot disease of tea. Current Agricultural Research Journal. 11(2): 468-483.
5. **Morang, P.**, Bedse, A.P. etc. (2023). *In-silico* Prediction of Thermostability of Cel9m from *Ruminiclostridium cellulolyticum*. Trends in Carbohydrate Research. 15(4): 76-92.
6. **Morang, P.** and Bhattachrjee, S. (2023). Diseases of peas and carrot: Integrated management Practices. Diseases of Fruits and vegetables Eds. Tamuli, P. EBH publisher, India pp. 56-72.
7. Morang. P. (2019). Leaf diseases of tea (*camellia sinensis* (l.) O Kuntze) and their control measures with special reference to India. Reflection Eds. Kalita, U., Kakati, D., Patgiri, D. Purbayon Publisher, Guwahti-14.
8. Morang. P., (2018). Growth promotion and biocontrol potential of some isolated soil fungi against brown root rot disease of tea in Barak valley of Assam. J of Agricultural Research. 3(5):000173.

9. Morang, P., S.P. Devi., D.K. Jha, B.K. Dutta, and B.S. Dileep Kumar (2018). Tea root brown rot fungus disease reduction and yield recovery with rhizobacteria inoculation in both nursery and field trials. Rhizosphere: doi.org/10.1016/j.rhisph.2018.06.001(Impact factor 3.129)
10. **Morang, P.** B.K. Dutta, Dileep Kumar B.S. and D.K. Jha (2016). Control of brown root rot disease in tea (*Camellia sinensis* (L.) O. Kuntze) by using some systemic fungicides. Academia Journal of Scientific Research. 4(1): 008-015. ISSN: 2315-7712. DOI: 10.15413/ajsr.2016.0279
11. George, E, Kumar, S.N., Jacob J., Bommasani, B., Lankalapalli, R.S., **Morang, P.** and B.S. Dileep Kumar (2015). Characterization of bioactive metabolites from a plant growth promoting rhizobacteria and their exploitation as antimicrobial and plant growth promoting-agents. Applied Biochemistry and Biotechnology. 176:529-546. DOI 10.1007/s12010-015-1593-3. ISSN: 0273-2289. (Impact factor 1.687 NAAS rating 7.89)
12. **Morang, P.**, Mishra, A.K., Deka, M., Kumar, S.N. and B.S. Dileep Kumar (2014). Plant growth-promoting rhizobacterial strain-mediated induced systemic resistance in tea (*Camellia sinensis* (L.) O. Kuntze) through defense-related enzymes against brown root rot and charcoal stump rot. Applied Biochemistry and Biotechnology. DOI 10.1007/s12010-014-1090-0. ISSN: 0273-2289 (Impact factor 1.687 NAAS rating 7.89)
13. **Morang, P.**, Dutta, S., Kumar, S.N. and B.S. Dileep Kumar (2014) “Two rhizobacterial strains, individually and in interaction with *Rhizobium sp* enhanced fusarial wilt control, growth and yield in pigeon pea. Journal of Microbiology. DOI 10.1007/s12275-014-3496-3. 2(9): 778-784. ISSN: 1976-3794 (Impact factor 1.529 NAAS rating 7.28)
14. Dutta, S., **Morang, P.**, Kumar, S.N. and B.S. Dileep Kumar (2013) “Fusarial wilt control and growth of pigeon pea through bioactive metabolites produced by two Plant growth promoting rhizobacteria”. World journal of Microbiology and Biotechnology . 1-13. DOI 10.1007/s11274-013-1532-9. ISSN: 1573-0972 (Impact factor 1.353 NAAS rating 7.26)
15. **Morang, P.** Kumar BS and Dutta B.K. (2011) “*In vitro* evaluation of antagonistic potential of *Bacillus cereus* isolated from Tea Rhizosphere soil in Barak Valley region of Assam.” Assam University Journal of Science and Technology, Biological and Environmental Sciences ISSN: 0975-2773. (An International journal), 8 (I): 65-70.

16. **Morang, P.**, A. R. Sarma, B. K. Dutta, B.K. Gogoi and B. S. Dileep Kumar. (2012) “Bio-control of brown root rot disease of tea through rhizobacterial strains under the agro climatic condition of Barak Valley of Assam, India.” Biodiversity: Researches in North East India (ed) Dutta, B.K and Choudhury, P. Assam University Publication, Silchar, 25-34pp.
17. **Morang, P.** Dutta B.K. and Dileep kumar BS (2012)“Growth promotion and Bio control approaches of Brown root rot disease of Tea (*Camellia sinensis* (L) O. Kuntze) by *Pseudomonas aeruginosa*. J Plant Pathol Microb 3:129 doi:10.4172/2157-7471.1000129 ISSN: 2157-7471 (Impact factor- 0.4)
18. **Morang, P.** Dutta B.K. and Dileep kumar BS (2012) “Efficacy of systemic fungicides against Brown root rot (*Fomes lamoensis*) disease of tea (*Camellia sinensis* (L) O. Kuntze) *in vitro* and in nursery condition.” World Journal of Agricultural Sciences 8(3):316-321. ISSN: 1817-5082(NAAS rating 6.05).
19. **Morang, P.**, Dutta, B.K. Dileep Kumar, B.S., Ranjita, I. (2013). “Antagonistic potential of some isolated soil fungi against brown root rot disease of tea in Barak Valley of Assam” Journal of Pure and Applied Microbiology. Vol. 7 (1):711-716. ISSN: 0973-7510 (impact facor-0.073 NAAS rating 6.4)

Training/Seminar/Conference/Workshop /Organized/Attendant/Participated

1. Participated and successfully completed one week faculty development programme on Bioinformatics & Computational Biology, organized by NIELT, Guwahati and UGC MMTTC Gauhati University, from 5/01/2026 to 10/01/2026.
2. Organized (member), Department of Botany Sponsored, Rabindranath Tagore University Hojai, One Day “Hands on Training on Bioinformatics Training” held on 15/05/2025.
3. Organized ICSSR (NERC) Sponsored One Day National Seminar on “Environment, Development and Sustainability: A Critical Dialogue in NE India” at PDUAM, Tulungia held on 28th January, 2025.
4. Organized One Day Virtual National Seminar on “Viksit Bharat @2047: Emerging Momentum: at PDUAM, Tulungia on 22/02/2025

5. Organized Five Days FDP (Online) on “Research Methodology” at PDUAM Tulungia held on 16-20th December, 2024.
6. Participated and successfully completed Consultative Workshop on “Governance and management in Higher Education Institution: Perspectives from N.E. Region” from 27-28 March, 2024.
7. Participated and successfully completed in the 3-Day Training on “Finance & Accounts for DDOs under Higher Education Department” Sponsored by Govt. of Assam held from 15-127 February, 2023
8. Participated and successfully completed in the “Orientation Programme on student diversity and inclusion in Higher Education for N.E. Region” organized by Centre for Policy Research in Higher Education and UGC MMTTC, Gauhati University held on 3-4th October, 2024.
9. Participated and successfully completed “Interdisciplinary Refresher Course on Environmental Studies” organized by Teaching Learning Centre, Ramanujan College, Ministry of Education.
10. Participated in the One Day National Webinar on “Academic Leadership in Higher Education Institution in India, on 23rd September, 2022, organized by UGC, HRDC, NEHU, Shillong.
11. Organized (Working President of Organizing Committee) ICSSR sponsored National Conference on “Challenging in Achieving 50% GER in NE States by 2035 in Tertiary Education
12. Participated in the One Day National Webinar on “Information Communication Technology (ICT) Application in 21st Century on 19th October, 2022, organized by UGC, HRDC, NEHU, Shillong.
13. Participated in the One Day National Webinar on “SWAYAM & MOOCs” on 23rd June 2023, organized by UGC, HRDC, NEHU, Shillong.
14. Participated in the One Day National Webinar on “Establishment of Research and Development Cells in HEIs” on 17th November, 2023 organized by UGC, HRDC, NEHU, Shillong.
15. Participated One Day Workshop on “Preparation for NAAC Accreditation” Organized by IQAC, PDUAM, Tulungia, Assam held on 06th Feb, 2023.

16. Participated and successfully completed in the Short-term Course (STC) on “Restructuring of Indian Education System through NEP 2020” organized by UGC HRDC, NEHU, Shillong, held from 30/08/2022 to 05/09/2022.
17. Participated in the RC in Environmental Science (online) held from 24/11/2022 to 08/12/2022 organized by UGC HRDC, Goa University.
18. Participated and successfully completed three days workshop on “Financial Planning and Income Tax Return Filing” organized by the Dept. of Accountancy in Collaboration with IQAC, PDUAM, Tulungia held on 4-6th July 2022.
19. Participated and successfully completed RC course on NSS organized by IIE, Guwhati sponsored by Ministry of Youth Affairs & Sports, Govt of India, held from 10-16th December, 2017.
20. Participated and successfully completed “Interdisciplinary Refresher Course on Curriculum and Pedagogy” organized by Teaching Learning Centre Tezpur University, Ministry of Education
21. Participated and successfully completed One Week FDP on “E Learning Platform” E&ICT Academy IITG in association with Gauhati University IDOL
22. Participated and successfully completed One week FDP on “Mentoring Pedagogy and Teaching for Higher Education” organized by E&ICT Academy IITG in association with Department of Electrical Engineering and Mechanical Engineering of DR. B.C. Roy Engineering College
23. Participated and successfully completed UGC sponsored “Orientation programme (OP-118)” organized by HRDC Centre, Gauhati University held on 15/12/2018 to 11/01/2019.
24. Participated and successfully completed 10 days training program on “Adaptation and Mitigation options for Climate Resilient Agriculture” organized under NICRA held at ICAR Research Complex for NEH Region, Umiam, Meghalaya during 21-30 April’2015.
25. Participated in the ASM virtual workshop on “Art of Science Communication” held at Gauhati University, Guwahati on 20th April’2015.
26. Participated International Conference on “Biodiversity Conservation and Environmental Health” from 16-17 March, 2012. organized by Department of Life Science and Bioinformatics, Assam University, Silchar, Assam.

27. Participated on “PCR based DNA Fingerprinting” Organised by Biotech Hub, Assam University, Silchar from 21st to 23rd March, 2013.
28. Participated Young Ecologist talk and interact (YETI) Organized by IIT Guwahati on 13th-15th December, 2011
29. Participated workshop on “Statistics in Drug Discovery Researches” Organised by Bioinformatics Centre, Assam University, Silchar on 8th -9th October 2010.
30. Participated Regional Seminar on “Intellectual property & Innovation Management in knowledge Era” Organised by the National Research Development Corporation (NRDC) in collaboration with Assam University, on 12th -13th January 2009 at silchar, Assam.
31. Attendant International conference on “Current trends in algal bioresource utilization” from 4-6 December , 2006 organized by the Department of Ecology Environmental Science, Assam University, Silchar, Assam.

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