

# *Curriculum Vitae*

## *Part- I Basic Information*

1. Name of the Faculty Member : **AMRIT KUMAR**
2. Date of Birth : **28-03-1994**
3. Father's Name : **Late. Lalan Prasad**
4. Mother's Name : **Nirmala Devi**
5. Present Address : **Seuj Nagar, Town Morikolong, Nagaon.**
6. Date of Joining : **24/09/2022**
7. Present Designation : **Assistant Professor**
8. Details of Qualification:



<b>Name of the Examination Passed</b>	<b>Name of the Board/ Council/ University</b>	<b>Year of Passing</b>	<b>Division/ Class</b>
<b>H.S.L.C</b>	C.B.S.E	2010	1 <sup>st</sup>
<b>H.S.S.L.C</b>	C.B.S.E	2012	1 <sup>st</sup>
<b>B.Sc.</b>	Gauhati University	2015	1 <sup>st</sup>
<b>M.Sc.</b>	Gauhati University	2017	1 <sup>st</sup>
<b>M.Phil.</b>	Gauhati University	2019	N/A
<b>Specialization</b>	<b>Microbiology</b>		

9.

## *Part- II : Information of Annual Development*

Title of the M.Phil. Thesis: **“Isolation and Characterization of Plant Growth Promoting and Antagonistic Soil Bacteria”.**

Name of the Institute : **Gauhati University**

Year and Number of Registration: **PA1718070002 of 2017**

Name of the Supervisor : **Dr. Dhruva Kumar Jha (Professor)**

## **Total No of Publication:**

Number of Research/ Review Paper published in SCOPUS/UGC approved Journal: **05**

Number of Book Chapter published in ISBN Books : **04**

### **A. Research Paper/ Review Paper publication:**

1. **Kumar A**, Rabha J, Jha DK. Antagonistic activity of lipopeptide-biosurfactant producing *Bacillus subtilis* AKP, against *Colletotrichum capsici*, the causal organism of anthracnose disease of chilli. *Biocatalysis and Agricultural Biotechnology*. 2021 Sep 1;36:102133 (Online ISSN: 1878-8181). <https://doi.org/10.1016/j.bcab.2021.102133>
2. Malakar R, **Kumar A**, Das P, Pathak K, Sarkar RD. Immunoboosting potential of spices with special reference to North East India against the novel coronavirus pandemic-a review. *Journal of Pharmaceutical Research International*. 2021;33(32b):207-218 (ISSN: 2456-9119). DOI: 10.9734/JPRI/2021/v33i32B31764
3. Sarkar RD, Mena S, **Kumar A**, Sharma R, Nath N, Jha DK, Kalita MC. Green synthesis of antimicrobial selenium and gold nanoparticles using Aegle marmelos fruit extract. *Vegetos*. 2023 Sep;36(3):971-979 (ISSN: 2229-4473). <https://doi.org/10.1007/s42535-022-00469-1>
4. **Kumar A**, Rabha J, Tayung K. Plant growth promotion activities of *Bacillus* spp. isolated from Jakrem hot water spring of Meghalaya, North East India. *Journal of Experimental Biology and Agricultural Sciences*. 2024 12(3):335–353 (Online ISSN: 2320-8694). [https://doi.org/10.18006/2024.12\(3\).335.353](https://doi.org/10.18006/2024.12(3).335.353). [https://doi.org/10.18006/2024.12\(3\).335.353](https://doi.org/10.18006/2024.12(3).335.353)
5. **Kumar A**, Rabha J, Tayung K. Assessment of Antagonistic Potential of *Bacillus* spp. Isolated from Hot Springs of North East India against Some Phytopathogenic Fungi. *Journal of Pure & Applied Microbiology*. 2025 Sep 1;19(3) (Online ISSN: 2581-690X). <https://doi.org/10.22207/JPAM.19.3.23>

### **B. Details for each Chapter published in Edited Books**

1. Devi, SP., **Kumar, A.**, et al (2020). Chapter 31-Plant growth promoting Soil Bacteria: Maintenance of Soil Quality for Sustainable Agriculture In *Bioluminescence*, 1: 320-328. (ISBN: 978 93 88881 90 6).
2. Rabha J, Devi SP, Das S, **Kumar A**, Jha DK. Diversity and functional role of ammonia-oxidizing bacteria in soil microcosms. In *Development in Wastewater Treatment Research and Processes* 2022 Jan 1 (pp. 371-392). Elsevier (ISBN: 978-0-323-91901-2). <https://doi.org/10.1016/B978-0-323-91901-2.00004-8>

3. Devi KB, Malakar R, **Kumar A**, Sarma N, Jha DK. Ecofriendly utilization of lignocellulosic wastes: mushroom cultivation and value addition. In *Value-addition in agri-food industry waste through enzyme technology* 2023 Jan 1 (pp. 237-254), Academic Press (**ISBN: 978-0-323-89928-4**). <https://doi.org/10.1016/B978-0-323-89928-4.00016-X>
4. Das S, Singh LS, **Kumar A**, Rabha J. Harnessing Rhizosphere Mycobiome for Sustainable Agriculture: Perspectives and Prospects. *Plant Microbiome and Biological Control: Emerging trends and applications*. 2025 Jan 8:171-93 (**ISBN: 978-3-031-75845-4**). [https://doi.org/10.1007/978-3-031-75845-4\\_8](https://doi.org/10.1007/978-3-031-75845-4_8)

#### **Details of OC/ RC/ STC/ FDP/ FIP/ Workshops/Seminar/Webinars/Others Attended:**

1. Participated in the International Webinar on “Studies and Career in Biology with emphasis on Microbiology in Canada as an International Student (India)-an introduction” on 06/11/2022 organized by Department of Botany in collaboration with Nowgong College Alumni Association and Internal Quality Assurance Cell (IQAC) Nowgong College (Autonomous), Nagaon-782001, Assam, India.
2. Participated in the International Webinar on the auspicious occasion of “WORLD SOIL DAY, 2022” Jointly organized by the Department of Botany, Nanda Nath Saikia College, Titabar, Jorhat, Assam, and the Department of Botany, Dhemaji College, Dhemaji, Assam in Association with Common Microbial Biotechnology Platform (CMBP), Hanoi, Vietnam, on 5th December, 2022.
3. Completed instructor led offline certificate course in Python Programming conducted by iHUB DivyaSampark, IIT, Roorkee from 25/12/22 to 29/12/22 at Nowgong College (Autonomous).
4. Participated in the “Office Automation, e-learning platforms, Latex & Emerging Technologies” from 04/01/2023 to 10/01/2023 jointly conducted by NIELT Tezpur EC of Guwahati and IQAC, Darrang College, Tezpur, Sonitpur, Assam.
5. Participated in Regional Meet of Institution Innovation Council, MoE’s Innovation Cell on 9/1/2024 organized by Royal Global University, Guwahati.
6. Completed online Monthlong Faculty Induction Program (FIP) under the aegis of PMMMNMTT scheme of Ministry of Education, Government of India from 15/02/2024 to 15/03/2024 Organized by MMTTC, Tezpur University.

7. Completed NEP 2020 Orientation and Sensitization Programme Under MMTTP of University Grants Commission from 5/6/24 to 14/6/24 organized by MMTTC, Gauhati University.
8. Participated in a workshop On Solid Waste Management on 14/5/24 supported by Ministry of Environment, Forest and Climate Change organized by ASTEC in Collaboration with Department of Botany, Nowgong College (Autonomous).
9. Participated in the Induction Training Programme organized by UGC-MMTTC, Gauhati University under RUSA, Government of Assam from 10/09/25 to 11/09/25.
10. Participated in RUSA 2.0/PM-USHA Assam Sponsored 2 day Teachers Training Programme on Mentoring Cutting Edge Research in the light of NEP 2020 under the 'Mentoring cutting-edge Research' scheme of Gauhati University from 19/09/25 to 20/09/25 organised by Nagaon University in collaboration with UGC-MMTTC, Gauhati University.

**Membership of Government Academic Institution/ Professional Bodies/ Society/ NGOs etc.**

<b>Name of the Organization</b>	<b>Membership type (Annual/Life/Other)</b>
<b>Botanical Society of Assam</b>	Life Member
<b>Assam Science Society</b>	Life Member