CURRICULUM VITAE

Name: Ankita Purkayastha

Residential address:

D/O: Ranadhir Purkayastha

Lane: Bhagini Nibedita Lane; Street: Laxmi Bazar Road

Dist. /P.O. /P.S.: Karimganj

State: Assam, Pin: 788710

Mobile: 6003762339

Personal details:

Nationality: Indian

Sex: Female

Category: GEN

Marital status: Single

Date of Birth: 24th June, 1997

Father's name: Ranadhir Purkayastha

Mother's name: Sudipa Purkayastha

Educational qualifications:

Name of Examination	University/Board	Year of passing	Division/Class/ grade obtained	Percentage obtained (%)	Subject
M.Sc	Assam University	2020	1st (Rank: **02**)	**87.2***	Life Science (Botany)
B.Sc (Hons)	Assam University	2018	1st (Rank: **01**)	**84****	Botany (Hons), Zoology, Chemistry, general English, Alt. English, Environmental Science

Higher Secondary	AHSEC	2015	1st	**76.02**	Physics, Chemistry, Mathematics, Biology, General English, Alternative English
HSLC	SEBA	2013	1st	**80.83**	General mathematics, Advance mathematics, General science, Social science, Bengali, English

****Highest marks in the subject Botany (Honours) for the academic session 2015-2018 of Assam University (University 1st Rank Holder)**

***Second highest marks in the subject Lifescience (Botany) for the academic session 2018-2020 of Assam University (University 2nd Rank Holder)**

Additional qualification:

- Diploma in Industrial Biotechnology conducted by Advanced Institutional Biotech Hub (AIBH) Karimganj College, under Department of Biotechnology (DBT), govt. of India.
- Diploma in Computer Application (DCA) from District Computer Center (DCC), Karimganj, Assam Electronics Developmental Corporation Ltd.

National Level Exam Qualified:

- Successfully qualified CSIR-UGC NET JRF June 2021 examination in the subject Life Sciences conducted by NTA on February 2022.
- Successfully qualified GATE-XL (Life Sciences) examination in the year 2022 conducted by IIT Kharagpur.

State level Exam Qualified:

- Successfully qualified State Eligibility Test (SET) 2022 examination in the subject Lifescience.

Prizes/ Honours / Scholarships:

- Awarded with Gold medal in 17th Convocation of Assam University, Silchar.
- Awarded with Merit Prize in 17th Convocation of Assam University for securing highest marks in Final examination held in May, 2018.

- Awarded with cash prize along with certificate for scoring highest marks in a certificate course in Industrial Biotechnology 2018, conducted by Advance Instituitional Biotech Hub (AIBH), Karimganj College, Karimganj (Under the supervision of AIBH, AUS)

- Best demonstrator award in Science Exhibition held on "WORLD ENVIRONMENT DAY 2017" sponsored by DBT, Govt, of India.

- Pratibha Samman Samaroh 2019 award in recognition of outstanding performance in graduation organized by Akhil Bharatiya VidyarthiParishad (ABVP), Assam University Unit

Research capabilities:

- **Molecular biology:** Gel electrophoresis, SDS-PAGE, Western blotting, PCR, DNA isolation from plant cells and microbial cells, Plasmid isolation, *in vitro* transformation of cells, Gene knock out and promoter replacement.
- **Microscopy:** Using simple and compound microscopes.
- **Tissue culture:** in vitro culturing of any plant part.
- **Microbiology:** Preparations of different media, culturing of microbes, antibiotic screening, biochemical tests to identify microbes, pure culture of microbes.
- **Bioinformatics work:** Protein structure prediction, Preliminary Primer designing, preliminary drug designing. Softwares: Chemsketch, Chemdraw etc.

B.Sc. Research project (Carried out at Karimganj Collage, Karimganj)

I worked on the diversity and distribution of tree ferns of Barak Valley, Assam, Northeast India. Studied their morphological and possible anatomical features on compound light microcope and prepared more than fifty herbarium sheets for preservation in departmental herbarium at Karimganj College, Assam.

M.Sc Research Project (Carried out at Department of Life Science & Bioinformatics, Assam University, Silchar)

Review work on the sulfur metabolism pathway in yeasts. The major focus of my work was on the transcriptional regulation of gene expression of sulfur metabolism in industrially important yeasts, its mode of regulation, role in stress response and economic importance.

Conference participated in (National/International):

- Presented in "Assam Botany Congress (ABC-02) an International Conference on Plant Science" held on 3-5 December, 2021 at Cachar college, Silchar, Assam
- Participated as a Rapporteur in a Technical session on the sub theme " Plant Microbe Interactions" in International Conference on Biodiversity: Exploration, Exploitation And Conservation For Sustainable Development (ICB-01) organized by the Department of Botany, Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya-Behali, Assam India in association with ECO-CLUB (MoEFC, Govt. of India and ASTEC) in January, 2022.

Workshop/ Seminar attended:

- Attended a seven-day workshop on "BASICS OF BIOSTATISTICS & NGS", sponsored by DBT, Govt. of India, organized by Advanced Institutional Biotech Hub (AIBH), Karimganj College, Karimganj-788710, Assam.
- Three day Workshop on "SOME MODERN TECHNIQUES IN LIFESCIENCE & BIOINFORMATICS" organized by Advanced Institutional Biotech Hub (AIBH), KarimganjCollage, Karimganj, Assam.
- Two days workshop on "INNOVATION AND SKILL DEVELOPMENT FOR NEW AGE ENTREPRENEURS" organized by Department of Business Administration, Assam University, Silchar.
- Participated in the Orientation Program on ASSAM BIODIVERSITY PORTAL, organized by Ashoka Trust for Research in Ecology and the Environment (ATREE) In collaboration with Department of Zoology, Karimganj College.
- One day lecture workshop on "PLANT NOMENCLATURE AND ART OF LEARNING" organized by Department of Life Science & Bioinformatics, Assam University, Silchar on 3rd February, 2020.
- Attended the 12th annual conference (28th& 29th January 2017, Silchar ,Assam), Association of Oncologists of North East India (AONEI)
- Participated in 20th National Children's Science Congress, 2012 organized by National Council for Science and Technology Communication, Department of Science and

Technoloy, Govt. of India.

Webinar attended:

- A one day international webinar on "Application of geospatial and molecular tools in natural resource conservation and management" organized by Department of Ecology and Environmental science, Assam University, Silchar on 29th July, 2020.
- A National Level Webinar on "Opportunities in Engineering post Covid-19" organized by Department of Agricultural Engineering, Assam University, Silchar on 31st July, 2020.
- One day national level webinar on "LINKING OMICS APPROCHES TO MEDICINAL PLANTS, PHYTOMEDICINES AND HUMAN HEALTH" organized by Raidighi College in collaboration with IQAC on 4th August, 2020.
- A International webinar on "THE CHALLENGES AND SCIENTIFIC ADVANCES OF SARS-COV2" ORGANIZED BY THE Dept. of Microbiology, Assam University Silchar in collaboration with SPRINGER NATURE and SOCIETY FOR ENVIRONMENTAL SUSTAINABILITY on 27th August 2020.
- A webinar on "PUBLISHING IN ACADEMIC JOURNALS AND HOW TO SUCCEED WITH YOUR APPLICATION" organized by DeLCON on 26th August 2020.
- A national webinar on "INSIGHT INTO VIRUSES AND THE PROSPECT OF TRADITIONAL HERBAL MEDICINE IN THE MANAGEMENT OF VIRAL INFECTIONS" organized by D. K. College, Mirza, Assam on 1st August 2020.
- A international webinar on "APPROACHES TO COVID-19: PREVENTION, THERAPEUTIC STRATGIES AND MANAGEMENT" organized by Dept. of Biotechnology, Assam university on 30th July, 2020.

Work Experience:

- Worked as assistant teacher in Little Angels School, Karimganj, Assam (August 2020-March 2021).
- Worked as guest faculty at the Department of Botany, Cachar College, Silchar (17 December 2021- 31 August 2022)
- Worked as guest faculty at the Department of Education (Botany), Assam University, Silchar (11 August, 2022- 20 September, 2022)

Extracurricular Activities:

- Obtained first division (383/600) in Indian classical music under Bhatkhande Sangit Vidyapith, Lucknow, Lucknow, India
- Obtained First division in practical and distinction in theory (226/300) in Rabindra sangeet(Visharad) under Bangiya Sangeet Parishad, Westbengal.
- Obtained distinction in theory and practical (242/300) in Rabindra nritya(Visharad) under Bangiya Sangeet Parishad, Westbengal.
- Obtained distinction in theory and practical (251/300) in Painting (Visharad) under Bangiya Sangeet Parishad, Westbengal.

- Vocalists & instrumentalist of a female music band of Barak Valley "Bharati Group".

- **Hobbies**: Singing, Cinematography, Reading Novels, Painting, dancing, travelling,