



+91-7477319319



suchetana.lsmh@gmail.com



<https://www.linkedin.com/in/suchetanaghose93/>



Howrah, West Bengal

Education

2017

M.Sc in Agricultural Biotechnology
CGPA 8.13/10

Ramakrishna Mission Vivekananda
Educational & Research Institute

2015

B.Sc in Biotechnology (Hons.)
CGPA 8.21/10

Maulana Abul Kalam Azad University of
Technology

Skills

- Classroom management
- Lesson planning
- Assessment and Evaluation
- Technology Integration
- Communication skills
- Interpersonal skills
- Patience
- Empathy
- Adaptability & Flexibility
- Conflict Resolution
- Collaboration & Teamwork

Languages

English (fluent)
Bengali (native)
Hindi (fluent)

Suchetana Ghose

Career objective: *To strive for an enriching career in a reputable organization where I can unleash my potential, grow continuously and utilize my knowledge to foster quality education required for a student's development and thereby enhance the growth of the organization.*

Experience

Indus International School, Bangalore
Biology Educator (MYP-IB)

(07/2025 – Present)

Contributions: i) **Grade Teacher** and **Biology Educator** for Middle Years Programme (MYP) students (Grades 6–9), fostering inquiry-based learning and conceptual understanding.
ii) **Teacher Designer** for **Life Entrepreneurship** classes, developing engaging curriculum content focused on real-world skills, innovation, and student-led learning.
iii) Mentored and guided **Grade 10 students** in the **IB Personal Project**, supporting them through research, planning, and execution of independent projects.
iv) Provided guidance to students in **academic research and paper writing**, helping them develop critical thinking, research skills, and structured academic writing.

Insight Academy, Marathahalli
Science Faculty

(June, 2023 – May, 2024)

Contributions: i) **Grade Teacher** and **Science Educator** for CBSE curriculum.

ICMR- National Institute of Occupational Health
Junior Research Fellow (JRF)

(Sep, 2021 - Feb, 2023)

Project title: "Cataloguing metatranscriptome based environmental antimicrobial resistance patterns in pharmaceutical industries clusters of Gujarat"
Supervisor: Dr. Dharendra Pratap Singh, Ph.D. (Scientist C)

Indian Institute of Technology (IIT) Guwahati
Junior Research Fellow (JRF)

(March, 2018 - Feb, 2021)

Project title: "Organelle dynamics and cellular ageing in yeast"
Supervisor: Dr. Shirisha Nagotu, Assistant Professor

Indian Institute of Technology (IIT) Guwahati
Junior Research Fellow (JRF)

(Sep, 2017 - Feb, 2018)

Project title: "Assessing the Bio-availability of nutrients and reduction of heavy metals in soils amended with inorganic and organic wastes in the presence of AM Fungi and biochar"
Supervisor: Dr. Sudip Mitra, Associate Professor

Technical Skills

- **Subject Matter Expert in Biology**
- **Molecular Biology and Microbiology Laboratory techniques:**
Culturing techniques, Cloning, DNA & RNA extraction & quantification, Agarose gel electrophoresis, SDS-PAGE, PCR, RT-qPCR, Protein purification, Western blot, ELISA, Fluorescence microscopy, SEM-EDX;
- **Analytical Methods:** AAS, ICP-AES, Flow cytometry, UHPLC-QTOF-MS;
- Production of biofertilizers, organic manures, vermicomposting;
- Basic Bioinformatics tools
- **Computer Skills:** Microsoft office (Excel, Word, PowerPoint), Trello, Adobe Photoshop, Elementary knowledge of Java and C, GraphPad Prism, R;

Achievements/Scholarships

- Qualified Graduate Aptitude Test in Engineering (GATE 2017 & 2022) in Biotechnology (BT).
- Recipient of MINISTRY OF HUMAN RESOURCE DEVELOPMENT (MHRD) scholarship from July 2019 to June 2021 at IIT Guwahati.

Publications

- Handa, M., Sanap,, **Ghose, S.**, Singh, D. P., & Shukla, R., "Combining donepezil and memantine via mannosylated PLGA nanoparticles for intranasal delivery: Characterization and preclinical studies at *Biomaterials Advances*, (2023)
- Deb, R., **Ghose, S.**, & Nagotu, S., "Increased peroxisome proliferation is associated with early yeast replicative ageing" at *Current Genetics*, (2022).
- Infant, T., Deb, R., **Ghose, S.**, & Nagotu, S., "Post-translational modifications of proteins associated with yeast peroxisome membrane: An essential mode of regulatory mechanism" at *Genes to Cells*, (2021).

Conferences/Workshops

- The Teacher Social and Emotional Learning (SEL) certification by University of Colorado Boulder.
- 1-day workshop on Learning Outcomes and Pedagogies at Insight academy (December, 2024).
- 2-day Workshop on Jolly Phoenix at Insight academy (May, 2024).
- 7-day SERB-AV workshop: Understanding statistical modelling and its Applications in Healthcare using R/Python/SPSS/STATA" at IIIT Tiruchirappalli (July 25-31, 2022).
- Participated in International Conference on Nutraceuticals and Chronic Diseases at IIT Guwahati (2019).

Positions of Responsibility/Extracurriculars

- Teaching Assistantship (TA) duty under the guidance of Dr. Shirisha Nagotu (PhD), Assistant Professor (Dept. of Biosciences and Bioengineering), IIT Guwahati.
- 5 years teaching experience of Indian Classical Dance (Bharatnatyam) at Nehru Children's Museum, Kolkata.
- Sangeet Bivakar degree from Bangiya Sangeet Parishad in classical dance (Kathak & Bharatnatyam).
- Senior diploma from Bangiya Sangeet Parishad in Painting.

Reference

Mr. Partho Banerjee

Principal,
Indus International School, Bangalore.
Phone: 9038937726
Email : partho.banerjee@indusschool.com

Ms. Serene Hepzibha

Head of Dept. Biology,
Indus International School,
Bangalore.
Phone: 9945265094
Email :
serene.hepzibha@indusschool.com