

CURRICULUM VITAE

SAYAK GHOSH

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Permanent Address

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Summary

While intending for prospective career growth in a conducive working environment which would help effective utilization of job potential and skill, I would like to maintain the steady and consistent job profile for a propitious tomorrow.

Major Projects

1. Summer Internship at The Biotech Park (Lucknow)

INSTITUTE	Biotech Park
Project Title	" <i>In vitro</i> antioxidant, anti-hyperglycemic, antityrosinase activities and biochemical characterization of <i>Selenastrum</i> sp."
Project Duration	Two months (May to July, 2019)

2. M.Sc. Project

Project Title	"Responsiveness of rice to the blast fungus interaction"
Project Duration	Four months (January to April, 2020)

3. Project Assistant

Project Title	"Evaluation of mitochondrial dynamics, metabolism and mitophagy regulator proteins as potential therapeutic targets in cancer"
Project Duration	Two years (April, 2021 to April, 2023)

Peer Reviewed Journal Article

1. **Ghosh, Sayak**, et al. "PINK1 insufficiency can be exploited as a specific target for drug combinations inducing mitochondrial pathology-mediated cell death in gastric adenocarcinoma." ***Archives of Biochemistry and Biophysics* (2024): 110110.**
2. **Ghosh, Sayak**, et al. "A Comprehensive Pan-Cancer Analysis of Cytochrome C Oxidase Assembly Factor 1 (COA1) Reveals Instrumental Role of Mitochondrial Protein Assembly in Cancer that Modulates Disease Progression and Prognostic Outcome." ***Cell Biochemistry and Biophysics* (2024): 1-23.**
3. **Ghosh, Sayak**, et al. "Immunometabolic characteristics of Dendritic Cells and its significant modulation by mitochondria-associated signaling in the tumor microenvironment influence cancer progression." ***Biochemical and Biophysical Research Communications* (2024): 150268.**

4. Bhowal, C., **Ghosh, S.**, Ghatak, D., & De, R. (2023). Pathophysiological involvement of host mitochondria in SARS-CoV-2 infection that causes COVID-19: A comprehensive evidential insight. ***Molecular and cellular biochemistry*, 478(6), 1325-1343.**
5. Dubey, S., **Ghosh, S.**, Goswami, D., Ghatak, D., & De, R. (2023). Immunometabolic attributes and mitochondria-associated signaling of Tumor-Associated Macrophages in tumor microenvironment modulate cancer progression. ***Biochemical pharmacology*, 208, 115369.**
6. Mondal, S., Ghosh, I., **Ghosh, S.**, Gupta, A., & Basu, D. (2021, July). Role of the internet of things for early detection of COVID-19 infections: a comprehensive survey. In ***Proceedings of the International Conference on IoT Based Control Networks & Intelligent Systems-ICICNIS*.**

Academic Qualifications

Qualification	Name of School / College	Board / University	Year of Passing	Major/ Specialization	Marks (in %) / CGPA
M.Sc.	Amity Institute of Biotechnology	Amity University Kolkata	2020	Biotechnology	7.83
B.Sc.	Vidyasagar College	Calcutta University	2018	Physiology	57.5
12th	Shri Ritam Vidyapith	W.B.C.H.S.E	2015	Phy, Chem.Bio, Comp Sc, Eng, Beng	74.6 (Best of Four)
10th	Shri Ritam Vidyapith	W.B.C.S.E	2013	Math, PhySc, LifeSc, Hist, Geog, Eng, Beng	83.28

Work Experience

Amity University, Kolkata

- i. Project Assistant (April 2021 – April 2023)
- ii. Ph.D Scholar (April 2023 – Present Day)

Achievements

- Was selected for Sun Pharma Science Foundation Training Workshop on “Understanding Complex Human Diseases: Epidemiological & Genomic Approaches and amethods” organized by John C. Martin Center for Liver Research & Innovations, kolkata
- Was Awarded the Best Poster Presentation at 3rd International Global Cancer Consortium Conference
- Was Awarded the Best Paper Presentation Speaker at 2nd International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS 2021), organized by St. Joseph’s College of Engineering and Technology, Kottayam, India.
- Was awarded the Certificate from NASI and BCIL for attending the Entrepreneurship programme at Biotech Park, Lucknow.
- Was awarded the Certificate for completing the Omics logic training programme.
- Was awarded the Certificate for attending the 9th Probiotic Symposium at Amity University, Kolkata.
- Was awarded the Certificate form Biotech Park, Lucknow for completing the 2 months internship programme.


Personal Profile

Date of Birth	06/05/1998
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Nationality	INDIAN
Sex	Male
Marital Status	Single
Permanent Address	68, Raja Rammohan Roy Road, 3 rd Floor
Pin Code	700082
Mobile No.	7044775372, 7980461582
Languages Known	English, Bengali & Hindi
Email ID	sayakghosh102@gmail.com
Location	Kolkata (West Bengal), India

Declaration

I, Sayak Ghosh, hereby solemnly affirm and declare that what is stated is true to the best of my knowledge.

Signature: 

Name: Sayak Ghosh

Date: 12/08/2024

Place: Kolkata

