

Megha Saha, M.Sc. (Microbiology)

K.G.R.S. PATH, P.O: Angus, Dist.: Hooghly, West Bengal - 712221

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Career Objectives:

I want to excel in the field Microbiology with perseverance and dedication. Seeking opportunities where I can fully learn new skills and knowledge. I want to obtain job opportunities where I can gain new experience in developing my expertness.

Key Strengths:

- Firm belief in professionalism, enthusiastic, positive and inclined to learn and execute
- Swift adaptability to any environment
- Responsible and flexible
- Capability of understanding modern techniques quickly
- Hardworking and motivated
- Sincere and optimistic

Educational qualifications:

- M.Sc. (Microbiology) from RK. University, Rajkot, Gujarat, in 2021 [secured 9.25 CGPA]
- B.Sc. (Honours in Microbiology) from Burdwan University, in 2019 [secured 68.5% marks]
- ISC from Holy Home Srirampur, West Bengal, in 2016 [secured 81% marks]
- ICSE from Gospel Home School, Rishra, West Bengal, in 2014 [secured 80% marks]

Research Experience:

Dissertation training at government accredited , NABL certified Enviro Laboratories PVT. LTD, Rajkot, for three months.

Project title: "Condition optimization for copper nanoparticle synthesis from *Lactobacillus rhamnosus* and *Lactobacillus plantarum*" at college level in M.Sc. microbiology 4th semester.

Technical proficiency:

Experimental:

General microbiological techniques including

- Cultivation and maintenance of bacterial cultures.
- Isolation and culturing of microbes from air, water and soil samples.
- Biochemical test for screening of microbes.
- Isolation of bacteriophage from sewage water.
- Antibiotics sensitivity test.

Molecular biology and analytical techniques including

- Agarose gel electrophoresis to isolate bacterial genomic DNA, plasmid DNA, bacterial RNA.
- Bacterial conjugation and plasmid curing.
- ELISA (Enzyme Linked Immunosorbent Assay).
- pH titration for determining acidity and basicity.
- Thin layer and paper chromatography.

Haematological assay like

- Blood grouping, haemoglobin estimation, serum-plasma separation.
- Bacterial mutagenesis (physical and chemical mutagens).
- WIDAL test.

Instrumentation:

- Proficient in handling laminar air flow, autoclave, shaker incubator, hot air oven, UV-visible spectrophotometer, centrifuge machine, pH meter, gel electrophoresis unit.

Conferences/workshops: International Research Conferences on innovations, start-ups and investments, ICOSTART'19; Industrial talk by pharma leaders and hands-on workshops on UV, HPLC & GC-MS-2019.

Hobbies:

Doodling, listening music, surfing net, sketching, and calligraphy.

Co-curricular activities:

Participated in various college activities like rangoli work, decoration during college functions, participated in various sports activities (like handball, badminton).

Personal details:

Sex: Female

Marital status: Unmarried

Date of Birth: August 29, 1997

Megha Saha.