

KIRAN SHARMA

Applied microbiology and Biotechnology

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OBJECTIVE:

A scrupulous biotechnologist specializing in molecular biology, bioinformatics, and cloning with a proven history of yielding the required results. Employs critical thinking in experimental design and data analysis to generate new insights. Well-versed with standard regulations with the ability to perform lab operations dexterously, and corroborate effectively across multi-disciplinary teams.

EDUCATION:

- **MSc (Applied microbiology and Biotechnology)**
(2022– 2024) from Banasthali Vidyapeeth – Rajasthan
- **BSc (Biotechnology)**
(2019-2022) Banasthali Vidyapeeth – Rajasthan with 7.83 CGPA

SKILL IN HANDLING EQUIPMENTS:

Skilled in handling: Autoclave, Centrifuge, Spectrophotometer, Microscope, Pipette and Burette, Laminar Air Hood, Incubator, Hot Air Oven, Colony Counter, vortex, ph. Meter, SDS PAGE, PCR, ELISA, Chiller and rotatory evaporator, Furnace

SKILLS (TECHNOLOGY/FUNCTIONAL):

| PCR (Polymerase Chain Reaction) | Gel Electrophoresis | Mass spectrometry
| Laboratory Management | Confocal Microscopy | Good Laboratory Practices
| Complex problem solving | Communication skills | Production skill | Bacterial Isolation | Isolation of DNA from Bacteria, Plant and Blood, Protein Estimation
| Agar Planting and Gram Staining | Antibiotic Sensitivity test | Estimation of Fats
| Isolation and Enumeration of Microbes from Soil and Water | Generation Sequencing
| Protein expression and Purification | Mass Spectrometry | Experimental Design and Optimisation | Data Analysis and Statistics | Bioprocessing and Bio manufacturing
| Scientific Writing and Communication | Strong Communication
| Adaptability | Project Management | Leadership Skills | Antioxidant test | phytochemical test | maceration process | Ash value | Documentation|

Experienced in Bioinformatics: BLAST, Molecular Docking, PYMOL.

PROJECTS & TRAINING

A: 27th Sept-2021 to 28th Oct-2021 (21 Days) training program carried out with Rapture Biotech Noida centre

- Cell and molecular biology
- Proteomics
- Applied industrial microbiology

B: 1st May-2023 to 15th June-2023 (45 Days) training program carried out with Rapture Biotech Noida centre

- Biochemistry & Immunology
- Medical & Clinical Microbiology
- Enzyme & Microbial Technology
- Food Industries-Quality Analysis & Control Skills
- Herbal Drug Formulation & Biocosmetics Development

MSc DISSERTATION carried out from Banaras Hindu University (BHU)

- TOPIC- Phytopharmacognostical, Antioxidant and Antimicrobial investigation of leaves of Ormocarpum cochinchinense (ElumBott): an extrapharmacopoeial plant of Ayurveda.

LANGUAGES:

- English
- Hindi

COMPUTER KNOWLEDGE:

- Email
- Microsoft excel
- Microsoft word
- Power point
- Surfing internet

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Place-

Date-

Kiran Sharma