

geneswapping

Shalini Bajpai

M.Sc Biotechnology
B.Sc Microbiology

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Microbiology & Biotechnology Research Scholar

Analytical research scientist with more than three years of experience contributing to research like:

- Fluorescence Activated Cell Sorter (FACS)
- High-performance liquid chromatography (HPLC)
- Polymerase chain reaction(PCR)
- Flow Cytometry
- Electrophoresis, Chromatography & Spectroscopic Techniques
- Lyophilisation
- Enzyme-linked immunosorbent assay (ELISA)
- Bio-safety cabinet & Incubator handling
- Culture Preparation, Isolation & Character Identification

Currently researching on ground-breaking areas of protein biochemistry (**geneswapping**).

Experience running Challenge tests and laboratory bench studies, writing scientific reports and maintaining research lab operations and equipment.

Fields of Interest

Biotechnology

Biochemistry

Microbiology

Cell & Molecular Biology

Genetic Engineering

Immunological Techniques

Education

- Pune University, Maharashtra (2008)
Bachelor of Science in MicroBiology
- Punjab Technical University, Punjab (2011)
Masters of Science in Biotechnology

Experience

- **Central Drug Research Institute, Lucknow**
General Training, Solid phase peptide synthesis, purification and partial characterisation of **two vowel – analogs of melittin**
Research Period : 6/2009 to 9/2009
Sponsoring Institution : Microtech College of Management & Technology
- **VitaeGen Biotech, Varanasi**
45 day Hands-on Research, Biological, Microbial, Clinical Biochemistry, Molecular Biology & Instrument Handling
Research Intern, 5/2011 to 6/2011
Recruited for six month Internship for project on **Physico Chemical Properties of Fresh Water** of Varanasi. Develop and execute analytical test methods and controls for the manufacture of cell-based biological products.
- **Maharishi Ayurveda, Noida**
Jr. Scientist for Microbiological analysis.
Research period : 07/2012 to 06/2014
Highlights :
 - Raw data preparation & reporting of
 - semi-finished, finished products, rework samples,
 - IPQC sample, Outside samples and Random samples.
 - Revival and Maintenance of Microbial Culture
 - Method, Instrument Validation & Documentation

- Evaluation of Antimicrobial properties of Herbs & Medicinal Products

- Testing
 - Growth Promotion
 - Preservative Validation
 - Swab
 - Challenge
 - Water / Compressed Air
- Environmental, Rework & Temperature Monitoring
- Effectiveness of Antimicrobial Preservation Tests

- **The Fragrance People, New Delhi**
Microbiologist & Quality Check POC for setting up new Microbiology Lab
Research period : 06/2014 to 09/2014
Highlights:
 - Lead end-to-end setup of world-class Microbiology lab including purchase, installation, validation and testing of equipment.

Currently working on

geneswapping

Brief : This is a solo research on human persistence. “genesurfing” has been one of the primary concerns of biology scholars and researchers. I believe it can be reversed, and the answer lies in biotechnology and microbiology.

Objective :

1. Setup Community Biotech Incubator Facility near Chandigarh. This high-end infrastructure dedicated to Biotech research will be an open-for-all platform for biotechnology research, testing and subsequently manufacturing of products for better human and animal health, agriculture and environmental technologies.
2. Develop protein form food supplements that can cure genetic disorders.

SERVICES

Multi-disciplinary research
Pharma & Pathology Testing
Food and Energy Supplements
Cosmetics and Consumables

REGISTRATION

Udyog Adhaar : PB20A0000679

LOCATION

Laboratory : Baddi HP
Registered Office : Zirakpur PB

PS : No association with CRISPR group of scientists. The research & development work requires space, equipment and able guidance. Pursuing support of Government of India designated Research Incubators. Further details and documentation of the research can be produced on request.