

Pawan Vishwakarma

Personal Information

7837441559
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Professional skills

Fermentation

★★★★☆

Chromatography

★★★★☆

Filtration

★★★★★

Agarose gel electrophoresis

★★★★★

Karyotyping

★★★★★

HPLC

★★★★☆

Biologics/ Gene gun

★★★★☆

Agrobacterium mediated gene transfer (floral dip method)

★★★★☆

primer designing

★★★★☆

Rotary vapor extraction

★★★★★

Sonication

★★★★★

DNA, RNA extraction

★★★★★

Protein quantification and precipitation

★★★★★

Milkoscan (FOSS)

★★★★★

Profile

To seek a position of Bio-tech specialist in one of the Bio-tech firm where I can use my academic qualification for the benefit of the company. I am quite confident that my creative ideas as well as theoretical knowledge will help me to take the company to great heights

Employment History

Researcher - CSIR IHBT, Palampur, Himanchal Pradesh

Isolation and Purification of Phycocyanin and associated protein and its characterization.

- Technical Knowledge:
- Extraction and Purification of protein
- Protein Precipitation
- Spectrophotometry
- Agarose gel electrophoresis
- SDS Page Electrophoresis
- Sub culturing
- Plant tissue Culturing
- HPLC
- Biolistic/ Gene gun
- Agrobacterium mediated gene transfer (floral dip method)
- Primer designing
- Fermentation
- Chromatography
- Filtration

Quality Assurance - Nestle India Ltd, Punjab

Role and Responsibilities-

- Identification of harmful micro-organisms like Salmonella, E. coli present in raw milk using Smearing in selective media.
- Collect and analyze raw material, in process, per the Quality Monitoring Scheme (QMS).
- Document results and organize test results for records review and analysis.
- Calibrate and maintain lab equipment.

Professional skills

CHARM ROSA for Antibiotic and Aflatoxin Identification

★★★★★

Polymerase Chain Reaction (PCR)

★★★★★

Milk Adulteration analysis

★★★★★

Lyophilisation

★★★★★

Gene Cloning

★★★★☆

Languages

English

★★★★★

Hindi

★★★★★

Punjabi

★★★★★

Employment History

- Perform daily records review of raw material, in process, and finished product quality data:
- Responsible for the release of ingredients meeting quality specifications and compliance requirements following Formal Release Criteria.
- Communicate results to other departments within Industry.
- Responsible for blocking the shipment of any product that does not meet quality specifications and compliance requirements.
- Work with other departments to initiate corrective actions and conduct root cause investigations.
- Analyze data to communicate to Production for optimal compliance to requirements.
- Collect pre-operational microbiological samples, review test results, coordinate any corrective actions, and manage test data.
- Technical Knowledge:
 - Milkoscan (FOSS) for Protein, SNF, Fat check in milk
 - Milk Adulteration analysis like urea, maltodextrin, sucrose, hydrogen peroxide, sodium, borax, nitrates, dextrose, starch.
 - Aflatoxin, tetracycline beta lactam, chloramphenicol analysis.

Training at genetic research center - Govt Medical College and Hospital, Chandigarh

- Pre Natal and Post Natal genetic analysis for identification of genetic disorders
- karyotyping

Education

Masters, Biotechnology - DAV, College, Panjab University

06 2017 - 07 2019

Bachelor, Biotechnology (Hons) - PGGC, Panjab University

06 2014 - 06 2017