

Shivani Ranaut
DOB: 11 June 1995
Nationality: Indian
Contact Number: +91 8800831905,
Email ID:shivaniranaut11@gmail.com

Present Address
U-9, Ground floor
Lakshmi Nagar,
New Delhi –110092

PROFILE SUMMARY:

With 2 years of experience under my belt in the field of Microbiology Industry, Food and Agriculture Industries, I am ready to take additional responsibilities and am looking for the same.

Currently Working as **Microbiologist** in **COTECNA INDIA INSPECTION PVT LTD. DELHI.** Handling Microbiological testing independently.

ACADEMIC QUALIFICATION:

2017 – M.Sc. Microbiology from **GURU NANAK DEV UNIVERSITY.**

2015 – B.Sc. Biotechnology from **KHALSA COLLEGE, GURU NANAK DEV UNIVERSITY, AMRITSAR.**

CORE COMPETENCIES:

- Handling Audits- have faced NABL AUDITS, IOPEPC Audits and been a part of several critical audits, e.g. NABL, FSSC 22000.
- Technical Skills – having a rich experience in Microbiology and Biotechnology testing such as, handling Food Pathogens testing, Expert in culturing pure bacterial species, Anti-microbial activity assays, Real Time PCR, SDS & western blotting, isolation & purification of DNA.
- Documentation – Standardize method as per **IS & ISO** for Different Categories of **Food and Agriculture**, compiling audit reports as per ISO 17025:2017 and maintaining documents relevant to projects.
Accomplished day to day maintenance calibrations and documentation of **Technical** and **QMS** as per NABL standards
- Handling vendors – end to end dealing with vendors
- Client centric – systematic and creative approach to identify and analyze the clients' requirements and suggest customized solutions to the higher authorities and clients as well.
- Excellent interpersonal and communication skills – to represent and help develop new clients and build a commercially healthy relationship

WORK EXPERIENCE:

COTECNA INDIA INSPECTION PVT. LTD.
Microbiologist

Aug. 2018- Present

- Working as Microbiologist, Microbiological examination of following food products/categories
 - Spices
 - Milk and Milk product
 - Ready to eat and cooked food
 - raw fruits and vegetables
 - Cereal, pulses and cereal products

- Nuts
- Fish and fish product
- Meat and Meat products, Poultry and Poultry products
- Honey
- Water
- Follow and maintain documentation as per **IS & ISO** standard.
- Hands on experience in handling **Food pathogens** such as: -
Salmonella, Bacillus sp., Escherichia coli, Aspergillus sp., Clostridium sp., Pseudomonas aeruginosa, Vibrio cholerae, Clostridium perfringens, Listeria sp., Vibrio parahaemolyticus, Shigella flexneri, Staphylococcus aureus, Candida albicans, Rhodococcus equi, Proteus mirabilis, Lactobacillus sakei.
- Working in Molecular Lab for **GMO Testing** using Real Time PCR and End Point PCR.
- Bacterial and Plant genomic DNA isolation using manual and Kit-based methods.

HARRAJ AGRO FOODS, Amritsar

Oct.2017 – Aug. 2018

Quality Control Microbiologist

Joined Harraj Agro Foods in 2017 as a Microbiologist. Carried out Microbiological testing of all the Finished Raw material of food products such as Tomato Paste and Puree, Chili Paste and puree, Pear Pulp, Apple Pulp, Orange Juice, OGG Paste. Involved in various testing carried out and to take care of client requirements. They started their Tomato ketchup unit & I was leading the product manufacturing process.

Well versed with HACCP as well its implementation. Also was the part of Food Safety Team and involve in identifying the risk associated with process and the required corrective action to deal with the risk associated and maintain proper monitoring records. Further, I have gained great exposure in documenting SOPs, new method development and compiling audit reports.

ACADEMIC DISSERTATION:

Completed Project on Isolation of Bacterial Endophytes from *Moringa oleifera* leaves and their various bioactivities.

Work done on their Antimicrobial activities
 Antioxidant activities
 Enzyme production and Plant Growth Promotion traits.

ADDITIONAL CERTIFICATIONS:

1. Food Safety Supervisor Certificate of Competence (FOSTAC) from FSSAI held at School of Agriculture, IGNOU, Delhi South in 2018.
2. **Biotech Industrial Training Program** International Chemical Corporation (ICCO) in 2015.
3. Attended Industrial trips to Jagatjit Industries, Coca-Cola plant and Nestle.
4. Certified CPR Trainer (Cardio-Pulmonary Resuscitation) which is organized by **Indian Red Cross Society** in 2019.

OTHER ATTRIBUTES:

- **Languages:** Good command in English and Hindi. Well versed with MS windows and efficient in browsing net for information, research on papers etc.
 - Excellent Power point **presentation** skills.
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