

# KARAMDEEP SINGH

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## PROFESSIONAL SUMMARY

Experience in laboratory analysis, food safety, and quality assurance. Skilled in microbiological testing, analytical instrumentation, and research methodologies. Proven ability to maintain lab standards, ensure regulatory compliance, and deliver accurate results in fast-paced environments.

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## EDUCATION

**Post Graduate Diploma in Food Safety & Quality Management**  
IGNOU | First Division

**M.Sc. Microbiology**  
Punjabi University | Second Division

**PGDCA (Computer Applications)**  
Punjabi University | First Division

**B.Sc. Biotechnology**  
Punjabi University | Second Division

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## CORE SKILLS

- Microbiological Analysis (Food, Water, Dairy)
  - Quality Assurance & Food Safety
  - Laboratory Techniques & Instrumentation
  - Data Analysis & Documentation
  - Regulatory Compliance (FSSAI/ISO)
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## PROFESSIONAL EXPERIENCE

### Graduate Assistant (Research Project)

Punjab Agricultural University, Ludhiana

- Worked on project: *Improving nutrient use efficiency in cotton, wheat, and maize*
- Conducted microbiological and analytical experiments using advanced instruments
- Assisted in data collection, analysis, and report preparation
- Maintained laboratory standards and ensured accurate documentation

## TECHNICAL EXPERTISE

- Microbial culture handling (pathogenic & non-pathogenic)
- Water quality analysis (physical, chemical, biological)
- Antimicrobial activity testing
- Chromatography & titration techniques

## RESEARCH & PUBLICATIONS

### Singh, K. & Prasad, B. (2015)

Isolation and characterization of antibiotic-producing Actinomycetes from soil and effect of physical parameters on production

*Indian Journal of Ecology* (NAAS Rating: 4.47)

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## TRAINING & CERTIFICATIONS

- Training at Verka Milk Plant, Bathinda
  - Microbiology Lab Training at Baba Farid University of Health Sciences, Faridkot
  - NCC 'B' Certificate
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## SEMINARS & WORKSHOPS

- Genetically Modified Food – Punjab University, Chandigarh
  - Intellectual Property Rights (IPR) – Mohali, Punjab
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## **COMPUTER SKILLS**

- MS Office (Word, Excel, PowerPoint)
  - Data Handling & Reporting
  - Internet Applications
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## **LANGUAGES**

English, Hindi, Punjabi

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## **CAREER OBJECTIVE**

To contribute to the food industry by applying my expertise in microbiology and quality assurance while continuously enhancing my professional skills.

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## **PERSONAL DETAILS**

Date of Birth: 25 September 1988

Gender: Male

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## **DECLARATION**

I hereby declare that the information provided above is true to the best of my knowledge.

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**Karamdeep Singh**