

Contact Information:

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RITIK DOGRA**Male****Microbiologist****Date of Birth: 03 Feb,2001**

I am skilled fresher microbiologist having knowledge of emerging technologies and research in field of microbiology. Skilled with modern lab equipment and an effective knowledge in molecular diagnosis, quality assurance, and microbial testing. Proficient in a fast-paced environment working both individually and in collaboration.

➤ **Objective**

I seek challenging opportunities where I can fully use my skills for the success of organization.

➤ **Education & Qualifications**

Course/Degree	School/University	Course Duration	Passing Year	Percentage or CGPA	Result Status
MSc Microbiology	Himachal Pradesh University, Summer Hills, Shimla-171005	2 Years	2024	8.73	Passed
BSc (Hons.) Microbiology	Shoolini University, Bhajol, Solan-173229	3 Years	2022	8.94	Passed
Secondary Education (10+2) HP Board Medical Stream	Govt. Model Sr. Sec. School, Sunni, Shimla- 171301		2019	63%	Passed
Higher Education (10th) HP Board	Saraswati Vidya Mander, Sunni, Shimla- 171301		2017	83.57%	Passed

➤ **Projects and Dissertation**

Project/Dissertation Tittle	Duration	Year	Organization
Exploring Microbial Diversity in <i>Malus domestica</i> 'Royal Gala' (D) Plant Rhizosphere and Development of Microbial Consortia to Evaluate its Efficacy in Plant Growth Promotion (Dissertation)	6 Months	2024	Himachal Pradesh University, Summer Hills, Shimla- 171005

Detection and Correlation of Vitamin D Receptor (VDR) Gene Polymorphism in Patients with Type 2 Diabetes Mellitus (Project)	2 Months	2024	DNA Labs- A Centre for Applied Sciences, Jhjhra, Dehradun, Uttarakhand
Asparagus Racemosus: A Medicinal Plant having Potential of Antimicrobial and Phytochemical Properties (Dissertation)	6 Months	2022	Shoolini University, Bhajol, Solan- 173229

➤ Skills and Techniques

Instrument Handling

- Autoclave
- Spectrophotometer
- Microscope
- Laminar Air Flow (BSC 1 and 2)
- Centrifuge
- Electrophoretic Unit
- ELISA Reader
- End Point PCR
- RT-PCR

Technical Skills

- Isolation, Preservation, Identification and Maintenance of Microbial Culture
- Sterilization
- Handling of Microbial Culture in BSL 1, BSL 2 or BSL 3
- Microsoft Office
- Extraction and Isolation of Nucleic Acid
- Antimicrobial and MIC
- Gel Electrophoresis
- Quality Control and Quality Assurance
- Microbial Culture Media Preparation
- PGPR Bioformulation

Other Skills

- Communication Skills
- Team Building and Management

➤ Achievements and Awards

Training or Internship					
Organization/Institute	Topic or Field	Duration	Month and Year	Learning Outcomes	
DNA LABS- A Centre for Applied Sciences, Dehradun, Uttarakhand ICMR Approved, NABL Accredited, ISO Certified	Molecular Diagnosis: Project on “Detection and Correlation Between VDR Gene Polymorphism with Type 2 Diabetes Mellitus Patients”	2 Months	January 2024 to February 2024	<ul style="list-style-type: none"> • End Point PCR • RT-PCR • DNA Extraction • Gel Electrophoresis • Blood Sample Collection • Biochemistry Analysis • Immunological Analysis • ELISA • Diagnosis of COVID, <i>Mycobacterium Tuberculosis</i>, H1N1, HIV • Handling of BSL 2 Pathogens 	
Conferences and Workshops					
Conference/Workshop	Organized By	Mode	Participation	Award	Learning Outcomes
3 Days National Workshop In Dolphin Institute, Dehradun	DNA LABS, Dehradun followed by UCOST, Govt. of India	Offline	Oral Presentation on “Evolution of Dengue Virus”	2 nd Position	Molecular Techniques: End Point PCR. RT-PCR, Isolation of Virus in BSC 2
1 Day Seminar cum Awareness program on World Cancer Day	DNA LABS, Dehradun followed by UCOST, Govt. of India	Online	Attended	e-Certificate	Different Strategies to Beat Cancer
Publications					
Topic	Journal	Publish Date	DOI or Link		
MYCOBACTERIUM TUBERCULOSIS AND DNA FINGERPRINTING: A VITAL TOOL FOR TRACKING OUTBREAKS	The Journal of Population Therapeutics and Clinical Pharmacology	May 10, 2023	MYCOBACTERIUM TUBERCULOSIS AND DNA FINGERPRINTING: A VITAL TOOL FOR TRACKING OUTBREAKS Journal of Population Therapeutics and Clinical Pharmacology (jptcp.com) or https://doi.org/10.53555/jptcp.v30i11.4539		

Online Courses			
Certification	Month and Year	License No. or URL	Organization
Virus101x: Viruses and How to Beat Them: Cells, Immunity, Vaccines	July 2020	e37900624d624920bdb94c80b8488415	eDx
Whole genome sequencing of bacterial genomes - tool and applications	August 2020	coursera.org/verify/4WE7EHU36P3F	Coursera
DNA Decoded	August 2020	coursera.org/verify/9Y9JJQ8TVHSQ	Coursera
Introduction to Forensic Science	September 2020	coursera.org/verify/HDTJCVZVAZRN	Coursera

➤ **Languages**

- Hindi
- English
- Punjabi

➤ **Strengths**

- Punctual
- Fast Learner
- Time Management
- Work Honesty
- Work Under Pressure

➤ **Hobbies**

- Listen Music
- Cooking
- Traveling

➤ **Declaration**

I declared all above information is truthful.