

CONTACT

RAKESH

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OBJECTIVE

To succeed in an environment of growth and excellence and earn a job which provide me satisfaction and self-development and help me to achieve personal well as organizational goals.

EXPERIENCE

- 09/06/2021 –
06/12/2021
▪ **Junior Molecular Biologist**
DNA Labs- A Centre for Applied Sciences, Dehradun
- 10/12/2021 -
01/04/2022
▪ **Microbiologist**
Unimedicolabs Selaqui, Dehradun
- 10/04/2022 -
09/10/2022
▪ **Microbiologist Officer**
Klokter Lifesciences Pvt. Ltd, Karnal, Haryana
- 10/10/2022 -
04/03/2023
▪ **Asstt. Professor**
Guru Nanak Khalsa College, Yamuna Nagar, Haryana
- 10/03/2023-
▪ **Research Assistant**
DNA Labs- A Centre for Applied Sciences, Dehradun

EDUCATION

- 2014
▪ **10th** (84.2%)
Board of School Education Haryana
- 2016
▪ **12th** (72.8%)
Board of School Education Haryana
- 2019
▪ **BSc. Biotechnology** (62.7%)
SD (PG) College Panipat affiliated to Kurukshetra University Kurukshetra, Haryana
- 2021
▪ **MSc. Biotechnology** (74%)
Guru Nanak Khalsa College Yamuna Nagar affiliated to Kurukshetra University Kurukshetra, Haryana
- Pursuing
▪ **Doctor of Philosophy (PhD)**
Uttaranchal University, Dehradun, Uttarakhand

SKILLS

- Microbiological techniques
- Molecular biological techniques
- Immunological techniques
- Pathology techniques
- Lab management
- Teaching & Training

PROJECTS

- Phytochemical Extraction of Phaseolus Vulgaris (Green Bean) Plant and Its Activity Against Bacteria's Causing Urinary Tract Infection.
- Novel Coronavirus 2 Detection and Its Diagnostics Algorithm Demonstration of RT-PCR Software and Result Interpretations.
- Molecular Modelling Study of SARS-Cov-2 Spike Protein of COVID-19 With Derivatives of Saikosaponins.
- Quantification Of Hepatitis-B Virus from Serum By RT-PCR And Vitamin D Level as A Profile Marker for Cardiovascular Disease.
- Study of Phytochemical Extract of Curcuma Longa and Hibiscus, Rose on Clinical Isolated from Genito Urinary Infection.
- Evaluation and Phytochemical Screening and Antimicrobial Properties of Ethanolic Extract of Cannabis Sativa, Beta Vulgaris & Agaricus Bisporus.
- Study of antibiotic resistance pattern of Various pathogenic bacteria.
- Detection and Correlation of Vitamin D Receptor (VDR) Gene Polymorphism in Patients with Type 2 Diabetes Mellitus.
- Correlation of XRCC Gene Polymorphisms with various biopsies and brush cytology's suspected of malignancies for epigenetic study.
- Microbiological Enumeration and Biochemical Profiling of Pathogens Associated with Urinary Tract Infection: Current Scenario and Its Medical Relevance.
- Study of gastric microbiota in *H. Pylori* positive samples, its biochemical characterization, identification and drug resistance pattern.
- Study of Genetic Polymorphism and Antibigram Profiling for *H. Pylori* in Clinical Isolates and its Clinical Utility.

ACHIEVEMENTS & AWARDS

- Received "A Grade" in Analysis & Development of Scientific Aptitude and Talent Test held in Session 2012-2013.
- Received "A+ Grade" in Analysis & Development of Scientific Aptitude and Talent Test held in Session 2013-2014.
- Received "Young Scientist Award" in 02 Days National Workshop Cum Conference on, "Innovations & Applications in Genomics, Proteomics & Microbial Technologies in Biological Sciences" organized by Department of Medical Lab Technology & Microbiology, Research & Development Cell, Sridev Suman Uttarakhand University, Pt. Lalit Mohan Sharma campus Rishikesh Uttarakhand on 26th April 2024.

ACADMIC & SCIENTIFIC RECOGNITION

- Resource person in 2 Days National Workshop on "Science for Social Changes: A Series of Workshop cum Training program for the Tribble area of District Dehradun & Uttarkashi, (Uttarakhand)" on 25th to 26th December 2023. Organized by SAMVET BHARAT.
- Resource Person for conducting 01 Day Training Program on "Molecular Diagnostics & Computational Biology: Techniques and Applications in Clinical Laboratories & Research"

organized by Department of Medical Lab Technology, Chandigarh University, Chandigarh on 11th April 2024.

- Resource Person for conducting 04th, 02 Days National Workshop Cum Conference on, "Innovations & Applications in Genomics, Proteomics & Microbial Technologies in Biological Sciences" organized by Department of Medical Lab Technology & Microbiology, Research & Development Cell, Sridev Suman Uttarakhand University, Pt. Lalit Mohan Sharma campus Rishikesh Uttarakhand on 25th & 26th April 2024.

CONFERENCE/WORKSHOP ATTENDED

- Participated in 2 Days International conference on "Synergetic Innovations & Biotechnological Advancement for Sustainable Development (SIBA- SD 2023)" on 29th - 30th September, 2023 at School of Applied and Life Sciences (SALS), Uttaranchal University, Dehradun.
- Participated in 02 Days Training Cum Workshop on, "Industrial Biotechniques and Microbial Technologies & its Applications in Research, Diagnostics and Startups" organized by DNA Labs- A Centre for Applied Sciences on 5th and 6th of January, 2024.
- Participated in 03 Days National Workshop Cum Training Program on "Quality Management Systems in Laboratories: NABL, ISO Accreditation Bodies. Documentation, Implementations and its Applications" organized by DNA Labs- A Centre for Applied Sciences, Dehradun on 18th, 19th, 20th January 2024.
- Participated in 02 Days National Workshop Cum Hands on Training Program on "Biotech Tools, Technologies, Skills & Innovation Applications; Shaping Minds to Scientific Attitudes and Entrepreneurship Development", organized by School of Biological Engineering and Sciences, Sobhit University, Gangoh, Uttar Pradesh on 16th & 17th February 2024.
- Participated in 02 Days Training Program on, "Real Time PCR and its Application in Viral, Bacterial and Cancer detection", organized by DNA Labs- A Centre for Applied Sciences, Dehradun, Uttarakhand on 11th & 12th May 2024.
- Participated in 02 Days National Workshop Cum Hands on Training Program on, "Next-Gen Oncology: Diagnostics, Technologies & Applications", organized by DNA Labs- A Centre for Applied Sciences, Dehradun, Uttarakhand on 26th & 27th June 2024.
- Participated in 03 Days Workshop Cum Hands on Training Program on, "Analytical Tools and Technologies in Basic and Applied Sciences and its Applications", organized by DNA Labs- A Centre for Applied Sciences, Dehradun, Uttarakhand on 21st to 23rd June 2023.

PUBLICATIONS

- One paper published in Journal of Population Therapeutics & Clinical Pharmacology. "Mycobacterium Tuberculosis and DNA Fingerprinting: A Vital Tool for Tracking Outbreaks". (Scopus: Indexed)
- One Paper was communicated in Journal of Pure and applied Microbiology. "An overview of the molecular mechanisms behind *Helicobacter pylori* infection in humans". (Scopus)
- One Book Chapter "Role of Endophytic microbes for post-harvest diseases management" was accepted in: Microorganism for Sustainability. (Springer Cham)

- One bacterial strain 16S rRNA gene sequence submitted at NCBI: Accession No: SUB14615554.

INTERESTS

- Interested in New Biotechniques.
- New Biotechnological Research.
- New advancement in agriculture farming.
- Books reading
- Traveling

LANGUAGES

- Hindi
- English

REFERENCES

- Dr. Narotam Sharma- DNA Labs- A Centre for Applied Sciences, Dehradun, Uttarakhand
Scientist and Head Laboratories
+919557650069
- Dr. Monika Singh- Department of Biotechnology, School of Applied and Life Sciences,
Uttaranchal University, Dehradun, Uttarakhand
Assistant Professor
+917376716754
- Dr. Sachin Dev Munjal- Graphic Era Hospital, Dehradun, Uttarakhand
Head of Gastroenterology Department
+917770812999

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

DATE: -

SIGNATURE AND PLACE