



Dr. Md. Mustafa Sofiur Rahman

Assistant Professor

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[mustafa-sofiur-rahman](#)

SUMMARY

Dynamic and results-driven Microbiologist and Assistant Professor with over 7 years of experience in academic teaching, clinical diagnostics, and molecular research. Spearheaded high-impact microbiological investigations, enhanced lab efficiency by 20%, and taught 1000+ MBBS students and mentored them in research and diagnostics. Proven expertise in PCR, Microarray, and infection control audits with multiple peer-reviewed publications. Adept at leading academic events, ensuring quality compliance, and driving continuous scientific advancement.

WORK EXPERIENCE

Assistant Professor

Shri Balaji Institute of Medical Science, Raipur, C.G. [Sep '22 - Present]

- Championed lectures, practical sessions, & spearheaded research projects for over 10 UG MBBS students, fostering a **30% enhancement in proficiency** & empowering over 1000 MBBS students with advanced teaching methodologies
- Lead participation in 5+ **scientific workshops & conferences** to stay updated on the latest developments, & organize academic events including CMEs, workshops, & internal audits
- Oversee microbiological investigations, including culture, sensitivity, & molecular diagnostics, enhancing lab efficiency by **20%** & completing **100+ investigations daily**, utilizing PCR, Microarray, and other techniques.
- Design and execute microbiological research studies with clinical or academic relevance, publish the findings in peer-reviewed journals, and present them at conferences.

Assistant Professor

Shri Shankaracharya Institute of Medical Sciences, Bhilai, C.G. [Sep '20 - Sep '22]

- Facilitate** lectures and hands-on sessions in microbiology for undergraduate MBBS students and **mentor** their research projects, seminars, and dissertations.
- Participate in** scientific workshops and conferences to remain updated in the field, and **coordinate** academic programs such as CMEs, workshops, and internal audits.
- Perform and oversee** microbiological investigations, including culture, sensitivity, and molecular diagnostics, while **maintaining** biosafety standards, quality assurance, and accurate documentation in the laboratory

Tutor

Shri Shankaracharya Institute of Medical Sciences, Bhilai, C.G [Sep '17 - Sep '20]

- Guided undergraduate MBBS students in microbiology lectures, practical sessions, and research by enhancing project quality significantly with the utilization of **laboratory equipment, presentation tools, & microscopy**.
- Attend scientific workshops and conferences to stay updated in the field, and help organize academic events such as CMEs, workshops, and internal audits.

EDUCATION

Ph.D. in Medical Microbiology Malwanchal

University [Jan '18 - Oct '22]

Indore, India

Master of Science in Medical Microbiology

Maharishi Markandeshwar University, [Jul' '13 - Aug '16]

Ambala, India

TRAINING

1. Hands-on workshop on Next Generation sequencing (NGS)

AIIMS, Raipur, India [Apr' '24 - Apr '24]

2. Hands-on training on the Basics of Laboratory diagnosis of SARS-CoV-2 and RT-PCR

AIIMS, Raipur, India [Mar' '20 - Mar '20]

CERTIFICATIONS

- Quality Management System and Internal Auditor Training Course as per ISO15189:2012.
- Basic Course in Biomedical Research (BCBR) - ICMR-NIE.
- Revised Basic Course Workshop (rBCW) under the supervision of NMC Nodal Centre for National Faculty Development, JNMC Sawangi (Meghe), Maharashtra.
- Certificate course on Basic Computer Techniques.

PUBLICATIONS

1. DETECTION OF blaOXA-23 GENE AMONG CARBAPENEM-RESISTANT ACINETOBACTER SPECIES ISOLATED FROM VARIOUS CLINICAL SAMPLES.

European Journal of Molecular & Clinical Medicine

Volume 09, Issue 03, 2022

2. EMERGENCE OF CARBAPENEM-RESISTANT ACINETOBACTER SPECIES ISOLATED FROM VARIOUS CLINICAL SPECIMENS IN A TEACHING HOSPITAL FROM CENTRAL INDIA.

INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH

Volume - 11 | Issue - 06 | June – 2022

3. PHENOTYPIC DETECTION OF MBL IN MEROPENEM-RESISTANT P. AERUGINOSA AMONG CLINICAL ISOLATES IN A TERTIARY CARE HOSPITAL.

European Journal of Molecular & Clinical Medicine

Volume 9, Issue 4, 2022

4. EVALUATE THE EFFICACY OF REAL-TIME PCR FOR MBL DETECTION IN PHENOTYPICALLY CONFIRMED CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA IN VARIOUS CLINICAL SAMPLES IN A TERTIARY CARE HOSPITAL.

International Journal for Research Trends and Innovation.

Volume 7, Issue 6, 2022

5. ANTIBIOTIC SUSCEPTIBILITY PROFILE AND EXTENDED SPECTRUM B-LACTAMASES PRODUCTION BY UROPATHOGENIC ESCHERICHIA COLI FROM TERTIARY CARE Hospitals OF RURAL SETTINGS.

International Journal of Research in Medical Sciences

Volume 6(12):4022-4027, Dec-2018

6. BACTERIOLOGICAL PROFILE AND ANTIBIOTIC SUSCEPTIBILITY PROFILE OF WOUND INFECTION IN A TERTIARY CARE HOSPITAL, CHATTISGARH.

Indian Journal of Applied Research

Volume-8, Issue-6, June-2018

7. PREVALENCE AND ANTIBIOGRAM OF HOSPITAL ACQUIRED AND COMMUNITY ACQUIRED PSEUDOMONAS AERUGINOSA: A HOSPITAL BASED CROSS-SECTIONAL STUDY.

International Journal of Scientific Research

Volume-7 | Issue-6 | June-2018

8. PREVALENCE AND ANTIBIOGRAM OF HOSPITAL ACQUIRED MRSA AND COMMUNITY ACQUIRED MRSA WITH SPECIAL REFERENCE TO INDUCIBLE CLINDAMYCIN RESISTANCE IN PATIENTS ATTENDING A TERTIARY CARE HOSPITAL: A CROSS-SECTIONAL STUDY.

International journal of scientific research

Volume-7 | issue-6 | june-2018

9. DIFFERENTIAL DIAGNOSIS OF MALARIA BY PERIPHERAL BLOOD SMEAR, ANTIGEN DETECTION AND CENTRIFUGED BUFFY COAT SMEAR EXAMINATION,

International journal of advanced research (IJAR)

Vol. 5, Issue 04, April 2017.

LANGUAGE SKILLS

• **Mother tongue:** Bengali

• **Other language:** English, Hindi, Assamese

Listening: C2, Reading: C2, Spoken Production: C2, Spoken Interaction: C2, Writing: C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

OTHER EXPERIENCE

- Working as a consultant Microbiologist at Neuberg Diagnostics, Raipur, since Dec 2022.
- Working as a Consultant Microbiologist at The American Laboratories, Raipur, from January 2025.
- Successfully attended NABH assessment as an Infection Control Microbiologist at Mittal Hospital (Jan 2025).
- Worked as a Quality Manager cum Microbiologist at AMMVDL molecular laboratory.

REFERENCES

1. **Dr. Lautika Sonkar (MD) Professor & HOD**
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