

Designation: Professor & HOD

Degree: MBBS, MD

Area of Expertise: Occupational Health, Environmental Health, Climate Change & Human

Health

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Routine Activities:

A. Academic Activities:

Structuring teaching, practical sessions, and providing academic mentorship across postgraduate and

training programmes including AFIH, MD (Community Medicine), MD MPH Epidemiology,

DHPE, PGDPHM, SHI, M.Sc. Nutrition and allied courses, while strengthening the curriculum

through integration of emerging domains such as climate change and health, occupational

epidemiology, and digital health applications, along with mentoring postgraduate students to foster

self-directed learning, critical thinking, and independent academic inquiry leading to high-quality,

outcome-oriented work.

B. Research Activities:

Supervising postgraduate theses, dissertations, and short-term research projects ensuring

methodological rigor and publication-oriented outcomes, while conceptualizing and contributing to

major multicentric research initiatives including the ICMR Indo-Swedish Research Project, ICMR

Extramural Project on anaemia using AI-enabled technologies, and the CHAYA project focusing on

occupational heat stress, worker productivity, and implementation research across diverse Indian

settings, along with contributing to high-impact scientific publications and invited opinion pieces in

international journals to strengthen institutional research visibility.

C. Departmental Administration and Development

Leading departmental activities related to academic planning, training coordination, and regulatory

compliance while strengthening the Department through laboratory modernization, structured training

expansion, and interdisciplinary collaboration; actively contributed to institutional committees

including curriculum development, academic review, AFIH coordination, Institutional Ethics

Committee, and Internal Complaints Committee, undertook administrative and technical assignments

entrusted by institutional leadership, organized outreach and institutional campaigns such as

elimination of violence against women, Swachhata Pakhwada, and Hindi Saptah, and contributed to

enhancing institutional reputation through academic excellence, policy engagement, collaborative

initiatives, and representation at national and international forums.

D. Capacity Building and Training

Designing and conducting national-level workshops, CME programmes, and Training-of-Trainers

sessions on occupational health, worker safety, and laboratory instruments; served as expert faculty in

the NPCCHH National ToT programme on Air Pollution and Health at AIIMS; conducted field-based

training and outreach for organized and unorganized sector workers with emphasis on climate-

resilient occupational health practices; and represented the Institute at national conferences and

academic platforms contributing to professional capacity building and knowledge dissemination.

E. National and International Technical Engagement

Providing technical expertise to national bodies including the National Human Rights Commission

and ICMR committees on environmental and social impact assessment, served as NPCCHH Expert

Monitor for West Bengal supporting implementation and monitoring of climate and health initiatives,

contributed to policy discussions on occupational health, food safety, and environmental health risks,

represented the institution in international academic collaborations including the Global COACH

program at Harvard T.H. Chan School of Public Health, and served as jury member for industrial and

professional awards in the field of occupational health and safety.

F. Clinical and Field Services

Conducting Occupational Health and Wellness Clinics in collaboration with stakeholders integrating

preventive, promotive, and early diagnostic services, while leading field-based assessments,

surveillance activities, and community engagement initiatives addressing occupational and

environmental health risks.

G. Public Health Emergency and Advisory Role

Providing technical inputs for public health emergency preparedness and response related to environmental exposures, occupational risks, and climate-sensitive health outcomes, while supporting intersectoral coordination and advisory functions as required by institutional and national authorities.

Significant contribution (2025-26):

1. Successfully led the planning, academic design, and execution of the Associate Fellowship in

Industrial Health (AFIH) course, ensuring high-quality training delivery, structured assessments, and strengthened internship programs in Occupational Health.

2. Coordinated and organised Multi-sectoral Strategic meet on Climate Change and Worker's

Health: Successfully led the planning, design and execution of the Strategic Meet under the

guidance of institutional leadership and in collaborations with various institutions of repute

and national importance like NCDC, Regional Labour Institution, NEERI, IMD & ICMR

ICAM, UNICEF, CINI etc.

3. Actively participated in institutional and national public health initiatives including Swachhta

Pakhwada, elimination of violence against women campaigns, and Hindi Pakhwada, contributing to community engagement and institutional development.

4. Supervised postgraduate students with emphasis on self-directed learning, resulting in high-

quality research outputs and multiple recognitions at national scientific conferences.

5. Represented the institute at national conferences, delivered plenary sessions, and conducted

pre-conference workshops in Occupational Health, enhancing institutional visibility and

leadership.

6. Delivered expert contributions as faculty in the National ToT on Air Pollution and Health

under NPCCHH at All India Institute of Medical Sciences, New Delhi, supporting capacity building across multiple states.

7. Acted as NPCCHH Expert Monitor for West Bengal, contributing to strengthening, implementation and monitoring of climate and health initiatives at the state level.

8. Mentored several student research projects that secured top positions at national platforms

such as IAPSMCON and other scientific forums, reflecting sustained academic mentorship.

9. Awarded the Presidential Appreciation Award at IAPSMCON 2026, recognizing significant

contributions to public health, academics, and professional leadership at the national level.

10. Continued active engagement in national and international academic and policy platforms,

including:

- ☐ Scientific Committees of the International Commission on Occupational Health
- ☐ ESSA Committee Member for ICMR BSL-3/BSL-4 laboratories under PM-ABHIM
- ☐ Representation at deliberations on Right to Food and Nutrition at National Human Rights

Commission of India

11. Served as Jury Member and Expert Panellist for national Occupational Health and Safety

Awards, contributing to evaluation of high-impact projects across industries.

12. Recipient of WomenLift Health Global Fellowship (2025 Cohort): Successfully completed the

prestigious year-long international leadership program (2024–2025) and was officially

designated as a Global Fellow.

13. Participating Global COACH (Clinicians Organizing for Advocacy and Climate Health)

Scholar: Selected for the prestigious scholars program at the FXB Center for Health and Human Rights, Harvard University from an exceptionally competitive pool of 688 applications, representing 2,043 applicants from more than 60 countries across every continent.

14. Presented research on climate change and mental health (Solastalgia) at national and

international platforms, and contributed invited opinion pieces to leading journals including

PLOS Global Public Health and PLOS Climate.

15. Continued contributions as Academic Editor for PLOS ONE and PLOS Global Public Health,

along with peer-review responsibilities for multiple reputed journals.