



Name: Dr Sudhanshu Shekhar

Department: Pathology & Laboratory Medicine

Qualification:

MD (LABORATORY MEDICINE)	AIIMS NEW DELHI	2015
MBBS	LTM MEDICAL COLLEGE, MUMBAI	2009

About myself :

I am currently serving as an Assistant Professor in the Department of Pathology and Laboratory Medicine at AIIMS Kalyani. I have a strong academic and professional background, having completed my MBBS from LTM Medical College, Mumbai, and my MD in Laboratory Medicine from AIIMS New Delhi. I have gained extensive experience through my senior residency at AIIMS New Delhi and my previous role as an Assistant Professor of Pathology at AFMC Pune. I have also played a pioneering role in quality assurance, leading efforts to achieve NABL accreditation at AFMC Pune, which underscores my commitment to maintaining high standards in laboratory practices and diagnostics. My areas of expertise include molecular hematology, coagulation disorders, and the use of advanced flow cytometry for diagnosing both hematological and non-hematological conditions. I have contributed significantly to research, with publications on topics such as coagulation testing, helminthic infections in children, and postgraduate training in laboratory medicine. As a principal investigator, I have led innovative research projects, including studies on minimal residual disease detection in multiple myeloma, showcasing my commitment to advancing diagnostic practices and medical research.

Area(s) of interest:

Quality Assurance, Molecular Hematology, Coagulation Disorders & Flow Cytometry of Hematological & Non-Hematological Disorders

Research publications (in last five years):

- Gupta A, Shekhar S, Mondal S, Das Munshi B, Singh P, Kapoor R, et al. Aplastic anaemia presenting as retinal Roth spots: photo essay. *Eye (Lond)*. 2024 Aug 15. doi: 10.1038/s41433-024-03299-4.
- Reddy S, Sehgal T, Rathod G, Prabhala S, Kamble P, Shekhar S, et al. Evaluation of Citrated Plasma After Thawing for Routine Coagulation Testing. *Cureus*. 2023 Jun 6;15(6). doi: 10.7759/cureus.40023.
- Chopra P, Shekhar S, Dagar VK, Pandey S. Prevalence and Risk Factors of Soil-Transmitted Helminthic Infections in the Pediatric Population in India: A Systematic Review and Meta-Analysis. *J Lab Physicians*. 2022 Aug 17;15(1):4-19. doi: 10.1055/s-0042-1751319.
- Mukhopadhyay T, Shekhar S, Sen A. Post-graduate training in Laboratory Medicine: Potential to fill a crucial gap in Indian healthcare system. *Med J Armed Forces India*. 2022 Jul;78(3):249-54.
- Mukhopadhyay T, Shekhar S, Chopra P, Patil P, Jayakumar R, Sehgal T, et al. Medical postgraduate (MD) program in Laboratory Medicine in India: The Past, Present and Future. *J Family Med Prim Care*. 2022;11(5):1633.
- Chirag K, Dagar V, Chakrabarty BK, Shekhar S, Boruah D, Sen A. Application of Hans Algorithm to Sub Type Diffuse Large B-Cell Lymphomas. *IOSR-JDMS*. 2023 May;22(5):21-7.
- Mukhopadhyay T, Shekhar S, Dagar VK, et al. Characterization of pre-analytical errors using six sigma metrics and process capability index in a clinical biochemistry laboratory. *Int J Health Sci Res*. 2021;11(2):171-6.
- Shekhar S, Dagar V. Family study: A tool to diagnose variant haemoglobinopathies and ambivalent cases. *IOSR J Dent Med Sci*. 2019 Aug;18(8):41-4. doi: 10.9790/0853-1808024144.

Research gate / PubMed link / Google scholar link:

<https://scholar.google.com/citations?user=TPnyv-MAAAAJ&hl=en>

Completed & Ongoing Funded Research Projects:

Title of project (Max. 10 words)	Role PI/Co- PI	Funding agency	Amount of funding
A pilot study to analyse clot waveform patterns and study its different parameters generated from automated coagulation analyser in various clinical scenarios. (On going)	PI	AIIMS, Kalyani	1.83 lakhs
A diagnostic study to assess the utility of single tube 10 colour flow cytometry assay in comparison to modified euro flow 2 tubes ,12 colour assay for detection of minimal residual disease (MRD)in patients of multiple myeloma post complete remission: A Pilot study. (P/06-2022)	PI	DRDO-AFMRC	13 LAKHS
Comprehensive analysis of E beta Thalassemia (On going)	Co-PI	AIIMS, Kalyani	5 lakhs
Anti-TPO antibody measurement in wash-out fluid from fine needle aspiration of thyroid lesions in cases of lymphocytic thyroiditis: a pilot study.	Co-PI	AIIMS, Kalyani	
Evaluation of sequential exfoliative cytology Changes with clear aligner therapy.	Co-PI	AIIMS, Kalyani	5 lakhs
Comprehensive analysis of haemoglobinopathies by Sanger sequencing.	Co-PI	DRDO-AFMRC	23 lakh

Achievements:

- Member of several national and International Scientific body.
- Received Commandant's Appreciation award 2019 at AFMC Pune.
- Received Multiple scholarships throughout the career.