



Dr. Pushpa Nirwan

Acting Group Team Leader

BRIEF PROFILE

Dr. Pushpa Kumari Nirwan has completed her PhD in Medical Microbiology from Hamdard Institute of Medical Sciences and Research (HIMSR), Jamia Hamdard, New Delhi in 2023. She has done her M.Sc (Microbiology) in 2007 from University of Madras and joined Artemis Hospitals in 2008 and has been working in the field of microbiology and infection control since then.

Career background:

Dr. Pushpa has been an active participant in various accreditation audits [(National Accreditation Board for hospitals. And Healthcare Providers (NABH), National Accreditation Board for Testing and Calibration Laboratories (NABL), NABH for Nursing services, Green OT and Joint Commission International (JCI)] in the hospital related to laboratory services and infection control. In addition to her key responsibilities, she has worked as a research scholar since 2016 in Artemis molecular infectious research lab. Prior to Artemis, she served as a Lecturer in Institute of Public Health & Hygiene, New Delhi for teaching microbiology for undergraduate and postgraduate courses from Apr 2007 to Aug 2008. Her future research goal is to apply the basic molecular research for improvement of infection prevention and antimicrobial stewardship practices in the hospital.

Research Interests:

Her research interest lies in microbiology integrated with molecular biology research in the field of antimicrobial resistance, device associated infections, patient safety and environmental surveillance under the guidance of Dr Namita Jaggi. She has primarily contributed in molecular research and identified genetic mechanisms for colistin resistance. As part of her PhD work, she has submitted the mutations in mgrB gene sequences of Klebsiella pneumoniae to NCBI GenBank for the first time from north India. She is skilled in basic molecular techniques and is acquainted with the softwares for whole genome data analysis (CARD, PHASTER, VFDB, AntiSMASH). She has many research publications and paper presentations in national and international conferences in the field of antimicrobial resistance and infection control.

Awards

Dr. Pushpa received First prize in Antimicrobial Resistance category for poster titled "Mutations in PhoPQ and PmrAB two component system in colistin resistant Klebsiella pneumoniae: Report from a North Indian tertiary care hospital (Artemis Hospitals, Gurugram)" during AIIMS-ASM 2020 Jointly organized by All India Institute of Medical Sciences, New Delhi & The American Society for Microbiology held on 7th -8th October, 2020.

Contact Information

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