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Human disease and the environment

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Laboratory diagnosis of diseases presenting as tuberculosis, bacteremia, mastoiditis, abscesses, meningitis, pneumonias or even a rash or a sore throat may have more to look for and with newer molecular diagnostics techniques and NGS we are in an era to know more about the pathogens and environment. The perceptiveness of looking at a disease needs to be widened. By looking in to the common organisms, the conventional methods, the typical manifestation a lot can be done to reach the diagnosis but not always. Clinical, plant, animal and soil microbiologists, applied and molecular microbiology researchers should work as a confederate to unmask the huge plethora of microorganisms yet not known to many of us nor the clinicians which are or as may evolve to lead to human diseases.

Biography

Reetika Dawar has completed her MD in Microbiology from Kasturba Medical College, Manipal in 2001. As a Clinical Microbiologist she has worked in the field of Bacteriology especially salmonellosis, anaerobes, enteric pathogens, conventional and molecular diagnostic tests, antibiotic resistance, mycobacteriology, mycology, immunoassays for infectious diseases and autoimmune diseases, dengue virus diagnostics and allergy testing. During her tenure for the last 10 years at Indraprastha Apollo Hospitals she has been instrumental in organizing several microbiology workshops and conferences as an Executive Member of the Indian Association of Medical Microbiologists-Delhi Chapter. She has been actively involved in teaching DNB and Diploma in Laboratory Technology students. She has 20 publications in various international journals and several presentations in medical microbiology conferences.

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