

Jagjit Yadav, PH.D.
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Prof. Jagjit Yadav received his Ph.D in Microbiology and completed postdoctoral training in Molecular Microbiology from Michigan State University. Dr. Yadav joined the faculty of University of Cincinnati College of Medicine in 1998, and is currently an Associate Professor at the Department of Environmental Health, Molecular Toxicology Division.

Dr. Yadav's research interests focus on mycobacteria and microbial diversity in metalworking fluids, and their role in hypersensitivity pneumonitis in machinists. He has been funded by NIOSH, UAW, USCAR, among others for this research.

His laboratory has developed and applied a series of modern molecular assessment methods for detection, quantification, and identification (genus-, species- and strain-level typing) of mycobacteria and for understanding the microbial diversity in these fluids. These studies have led to the development and application of DNA-based methods, as an improvement over the traditional culture-based methods, and yielded multiple genotypes of mycobacteria for understanding the biocide control of mycobacteria in Metalworking fluids, and their virulence potential in hypersensitivity pneumonitis.