

Department of Microbiology

Dr. Varsha Gupta, Professor and Head

Research publications in the last one-year (Vancouver style) by individual faculty member.
(Jan 2024-Nov2024)

International Publications

1. Gupta V, Mastromarino P, Garg R. Effectiveness of prophylactic oral and/or vaginal probiotic supplementation in the prevention of recurrent urinary tract infections: A randomized, double-blind, placebo-controlled trial. *Clinical Infectious Diseases*. 2024 May 15.
2. Muthu V, Agarwal R, Rudramurthy SM, et al. Computed tomography findings of COVID-19-associated pulmonary mucormycosis: Data from a multicenter retrospective study (Mucovi2), India. *Lung India*. 2024;41(3):221-224.
3. Singhal L, Gupta P, Gupta V. Diagnostic Stewardship in Clinical Microbiology: An Indispensable Component of Patient Care. *Infect Disord Drug Targets*. 2024 Jul 3. doi: 10.2174/0118715265294425240607110713. Epub ahead of print. PMID: 38963103.
4. Gupta V, Vasesi D, Singhal L, Kaur A, Jain S, Gupta P. A cautionary tale of pseudo-Cryptococcus infection in neonates. *Tropical Doctor*. 2024 Jul 26:00494755241264580.
5. Gupta P, Sandhu D, Gupta V, Singhal L. Triple Burden: The Incurable Threat of Tuberculosis, HIV, and COVID-19. *Infectious Disorders-Drug Targets*. 2024 Jun 1;24(4):1-7.
6. Singhal L, Sandhu D, Gupta V, Kour I. Salmonella Typhi: A Review of Antibiogram Journey in Developing Countries. *Infect Disord Drug Targets*. 2024 Jan 23. doi: 10.2174/0118715265255339240102110929. Epub ahead of print. PMID: 38265374.
7. Kaur H, Guglani V, Singhal L, Randev S, Kumar P, Gupta V. The new Xpert Mycobacterium tuberculosis/rifampicin (MTB/Rif) Ultra assay in comparison to Xpert MTB/Rif assay for diagnosis of tuberculosis in children and adolescents. *Journal of Tropical Pediatrics*. 2024 Feb 1;70(1):fmad046.
8. Kour I, Singhal L, Mehta S, Gupta V. Emergence of Monkeypox (MPX): A Close Relative of Small Pox During COVID-19 Era. *Infectious Disorders-Drug Targets*. 2024 Jan 1;24(1):30-6.

National Publications

1. Vasesi D, Gupta V, Gupta P, Singhal L. Risk factor and resistance profile of colistin resistant *Acinetobacter baumannii* and *Klebsiella pneumoniae*. *Indian Journal of Medical Microbiology*. 2024 Jan 1.
2. Singhal L, Gupta P, Gupta V. Insights into changing patterns of extrapulmonary tuberculosis in North India. *Indian Journal of Medical Microbiology*. 2024 Jul
3. Chaudhary P, Gulati N, Gupta V, Garg R, Walia S, Dhawan I, Thakur B. COVID-19 pandemic—Cocktail of variants, a study from Northern India. *Journal of Family Medicine and Primary Care*. 2024 Jun 1

4. Chaudhary P, Gulati N, Gupta V, Singla N, Singhal L, Dhawan I, Walia S. COVID-19 Epidemiology Study from a tertiary care center in North India. *Int J Med Sci Clin Res Rev.* 2024; 7(2): 346-352

Dr. Nidhi Singla, Professor

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International Publications

1. Kaur M, Singla N, Aggarwal D, Kundu R, Gulati N, Kumar MB, Gombar S, Chander J. Antifungal Susceptibility Profile of Clinical and environmental Isolates of *Aspergillus* Species From a Tertiary Care Center in North India. *Cureus* 2024; DOI: 10.7759/cureus.
2. Gulli SP, Hallur V, Kale P, Menezes GA, Russo A, Singla N. From Spores to Solutions: A Comprehensive Narrative Review on Mucormycosis. *Diagnostics* 2024, 14, 314. <https://doi.org/10.3390/diagnostics14030314>
3. Chaudhary P, Gulati N, Gupta V, Singla N, Gautam L, Dhawan I, Walia S, Chander J. COVID-19 Epidemiology – Study from a tertiary care center in North India. *International Journal of Medical Science in Clinical Research and Review* 2024
4. Muthu V, Agarwal R, Rudramurthy SM, Thangaraju D,, Singla N, Navlakhe M, Prayag A, Singh G, Dhakecha P, Chakrabarti A. Prevalence of co-existent COVID-19-associated pulmonary aspergillosis (CAPA) and its impact on early mortality in patients with COVID-19-associated pulmonary mucormycosis (CAPM). *Mycoses* 2024;67(5):e13745.
5. Clinical spectrum, phenotypic and molecular characterization, and antifungal susceptibility of an emerging human pathogen, *Acrophialophora*, from India. *Med Mycol.* 2024 Jul4;62(7):myae061

National Publications

1. Computed tomography findings of COVID-19-associated pulmonary mucormycosis: data from a multicenter retrospective study (Mucovi2), India. *Lung India* 2024
- Mittal R, Tuknayot A, Singla N, Bhagat R, Bhalla M. Topical liposomal amphotericin B with surgical debridement in primary cutaneous mucormycosis. *Indian J Dermatology, Venereology and Leprology* 2024 Jul 20;1-3

Dr. Lipika Gautam, Associate Professor

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International Publications

1. Singhal L, Gupta P, Gupta V. Diagnostic Stewardship in Clinical Microbiology: An Indispensable Component of Patient Care. *Infect Disord Drug Targets.* 2024 Jul 3. doi: 10.2174/0118715265294425240607110713. Epub ahead of print. PMID: 38963103.

2. Gupta V, Vasesi D, Singhal L, Kaur A, Jain S, Gupta P. A cautionary tale of pseudo-Cryptococcus infection in neonates. *Tropical Doctor*. 2024 Jul 26;00494755241264580.
3. Chakraborty S, Shekhar N, Singhal L, Rawat RS, Duseja A, Verma RK, Bansal K, Kour I, Biswas S, Rajni E, Sahu S. Susceptibility of clinical isolates of novel pathogen *Stenotrophomonas seipia* to novel benzoquinolizine fluoroquinolone levonadifloxacin. *JAC-Antimicrobial Resistance*. 2024 Aug;6(4):dlae130.
4. Singh S, Aggarwal AK, Gudisa R, Batra P, Rath NK, Madan V, Thakur V, Sharma H, Kumar R, Khare S, Singhal L. A Novel Potential Treatment for Diabetic Foot Ulcers and Non-Healing Ulcers-Case Series. *Infectious Disorders-Drug Targets (Formerly Current Drug Targets-Infectious Disorders)*. 2024 Jun 1;24(4):29-39.
5. Gupta P, Sandhu D, Gupta V, Singhal L. Triple Burden: The Incurable Threat of Tuberculosis, HIV, and COVID-19. *Infectious Disorders-Drug Targets*. 2024 Jun 1;24(4):1-7.
6. Singhal L, Sandhu D, Gupta V, Kour I. *Salmonella Typhi*: A Review of Antibiogram Journey in Developing Countries. *Infect Disord Drug Targets*. 2024 Jan 23. doi: 10.2174/0118715265255339240102110929. Epub ahead of print. PMID: 38265374.
7. Kaur H, Guglani V, Singhal L, Randev S, Kumar P, Gupta V. The new Xpert *Mycobacterium tuberculosis*/rifampicin (MTB/Rif) Ultra assay in comparison to Xpert MTB/Rif assay for diagnosis of tuberculosis in children and adolescents. *Journal of Tropical Pediatrics*. 2024 Feb 1;70(1):fmad046.

National Publications

1. Singhal L, Gupta P, Aysha K N, Gupta V. Insights into changing patterns of extrapulmonary tuberculosis in North India. *Indian J Med Microbiol*. 2024 Jul-Aug;50:100657. doi: 10.1016/j.ijmmb.2024.100657. Epub 2024 Jul 12.
2. Singhal L, Singh KA, Panda RK, Malik YS, Verma RK, Ghosh D, et al. VG111: A novel formulation demonstrating clinical evidence of anti-pathogenic activity and accelerated wound healing in humans and companion animals. *J Lab Physicians*. 2024;16:347-57. doi: 10.25259/JLP_29_2024.
3. Vasesi D, Gupta V, Gupta P, Singhal L. Risk factor and resistance profile of colistin resistant *Acinetobacter baumannii* and *Klebsiella pneumoniae*. *Indian Journal of Medical Microbiology*. 2024 Jan 1;47:100486.
4. Chaudhary P, Gulati N, Gupta V, Singla N, Singhal L, Dhawan I, Walia S. COVID-19 Epidemiology Study from a tertiary care center in North India. *Int J Med Sci Clin Res Rev*. 2024; 7(2): 346-352

Dr Neelam Gulati, Associate Professor

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Dr. Preeti Chaudhary, Assistant Professor

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1. Chaudhary P, Gulati N, Gupta V, Singla N, Singhal L, Dhawan I, Walia S. COVID-19 Epidemiology Study from a tertiary care center in North India. Int J Med Sci Clin Res Rev. 2024; 7(2): 346-352