

Name of the department- Microbiology

Name of the faculty- Dr Varsha Gupta

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Publications-

1. Saini M, Gaurav A, Kothari A, Omar BJ, Gupta V, Bhattacharjee A, Pathania R. Small Molecule IITR00693 (2-Aminoperimidine) Synergizes Polymyxin B Activity against *Staphylococcus aureus* and *Pseudomonas aeruginosa*. ACS Infectious Diseases. 2023 Jan 30;9(3):692-705.
2. Ivneet Kour, Varsha Gupta, Swati Sharma, DipanshuVasesi, Surinder Singhal, Lipika Singhal. Aetiology And Antimicrobial Susceptibility Pattern Of Bacteria Causing Ear Infections. Global journal for Research Analysis.(Accepted)
3. Gupta V, Dhawan I, Gulati N...Singhal L, Singla N. Retrospective Study of Swine Flu cases reported in a Medical College in Chandigarh. International Journal of Medical Science in Clinical Research and Review. October 2022; 5(5): 980-985.
4. Muthu V, Agarwal R, Rudramurthy SM, Thangaraju D, Shevkani MR, Patel AK, Shastri PS, Tayade A, Bhandari S, Gella V, Savio J.....V Gupta. Multicenter Case-Control Study of COVID-19-Associated Mucormycosis Outbreak, India. Emerging Infectious Diseases. 2023 Jan 1;29(1).
5. Dhandapani S, Rajshekhar D, Priyadarshi K, Krishnamoorthi S, Sundaramurthy R, Madigubba H, Sastry AS, Cherian A, Chetak KB, Joe G,...V Gupta, Raksha K. Comparison of hand hygiene compliance among healthcare workers in Intensive care units and wards of COVID-19: A large scale multicentric study in India. American Journal of Infection Control. 2022 Oct 9.

6. Dogra P, Singla N, Kaushik R, Singh S, Gupta V. Primary Cutaneous Mucormycosis: A Necrotising Soft Tissue Infection with Poor Prognosis. *Infectious Disorders Drug Targets*. 2023 May 4.
7. Singhal L, Gupta V, Gautam V, Kour I. XDR *Salmonella typhi* Warrants Vaccine Use in Asian Pacific Region: Prevention Is Still Better Than Cure. *Asia Pacific Journal of Public Health*. 2023 Sep 4:10105395231199159.
8. Singhal L, Gupta V, Sharma S, Agarwal A, Gupta P. Mucoid *Staphylococcus haemolyticus*: an unheeded multidrug-resistant pathogen. *Brazilian Journal of Microbiology*. 2023 Mar;54(1):191-8.
9. 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*. 2023 Aug 23.
10. Kour I, Singhal L, Gupta V. Langya Virus, a Newly Discovered Henipavirus Capable of "Zoonotic Spill-over and Associated Community Health Concerns". *Asia-pacific Journal of Public Health*. 2023 Aug 19:10105395231193267.
11. Gupta P, Gupta V, Singh CM, Singhal L. Emergence of COVID-19 Variants: An Update. *Cureus*. 2023 Jul 3;15(7).
12. Chaudhary P, Gulati N, Gupta V, Dhanda G, Kumar MB, Sharma S, Goel A, Kumar Attri A. Fatal *Clostridium sporogenes* Soft Tissue Polymicrobial Infections in Two Immunocompetent Cases: Case Report. *Infectious Disorders-Drug Targets (Formerly Current Drug Targets-Infectious Disorders)*. 2023 May 1;23(3):29-31.

13. Siddiqui A, Randev S, Singla N, Dhavan A, Guglani V, Gupta V. Acute disseminated encephalomyelitis due to a zoonotic co-infection. *Journal of Tropical Pediatrics*. 2023 Feb 1;69(1):fmad008.
14. Gulati N, Walia S, Gupta V, Dhawan I, Chaudhary P. An update on Zika Virus Infection. *Indian journal of applied Microbiology*.2454-289X, ISSN (print) 2249-8400.
15. Garg R, Gupta V, Tejan N. Pneumonia due to Group A β haemolytic streptococci in an adult: case report. *Sch. J.App. Med. Sci.*, 2023;3(4A):1667-1668.
16. Surekha S, Lamiyan AK, Gupta V. Antibiotic resistant biofilms and the quest for novel therapeutic strategies. *Indian Journal of Microbiology*. 2023 Nov 28:1-6.
17. Muthu V, Agarwal R, Rudramurthy SM, Thangaraju D, Shevkani MR, Patel AK, Shastri PS, Tayade A, Bhandari S, Gella V, Savio J. Risk factors, mortality, and predictors of survival in COVID-19-associated pulmonary mucormycosis: a multicenter retrospective study from India. *Clinical Microbiology and Infection*. 2023 Dec 9.
18. Vij S, Thakur R, Singh RP, Kumar R, Pathania P, Gupta V, Suri CR, Rishi P. Dual immunization with CdtB protein and flagellin epitope offers augmented protection against enteric fever in mice. *Life Sciences*. 2023 Dec 1;334:122216.

Book chapters

1. Diphtheria: A Paradigmatic Vaccine-Preventable Toxigenic Disease with Changing Epidemiology.I Kour, L Singhal, V Gupta - Recent Advances in Pharmaceutical Innovation and Research. Springer Nature Singapore.
2. Reminiscing Phages in the Era of Superbugs. P Gupta, L Singhal, V Gupta. -Role of Microbes in Sustainable Development. Springer Nature.

3. Gupta V, Garg R. Emerging and Re-Emerging Infections: An Overview. Recent Advances in Pharmaceutical Innovation and Research. 2023 Sep 12:761-70.
4. Gupta V, Mohan NK. Innovative Strategies to Tackle Antimicrobial Resistance. Recent Advances in Pharmaceutical Innovation and Research. 2023 Sep 12:621-32.
5. Role of Microbes in Production of Vaccines. Kour I, Gupta V, Singhal L. Role of Microbes in Sustainable Development. Springer Nature

Name of the faculty- Dr Nidhi Singla

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Publications-

1. Sharma A, Mahajan V, Guglani V, Singla N, Saini SS. Open – labeled randomized controlled trial on efficacy of Azithromycin Versus Doxycycline in pediatric Scrub Typhus. Pediatr Infect Dis J. 2023;42:1067-72
2. Risk factors and outcome of COVID-19-associated mucormycosis outbreak in India: A multicenter case-control study of 5,644 subjects (MuCovi-2). Emerg infec Dis 2023
3. Dhawan P, Singla N, Kundu R, Gulati N, Attri A, Chander J. Phaeohyphomycosis: A study from tertiary health care center in North India. Ind J Path Microbiol 2023
4. Dogra P, Singla N, Kaushik R, Singh S, Gupta V. Primary Cutaneous Mucormycosis: A Necrotising Soft Tissue Infection with Poor Prognosis. Infect Disord Drug Target 2023.
5. Siddiqui A, Randev S, Singla N, Dhawan A, Guglani V, Gupta V. Acute disseminated encephalomyelitis due to a zoonotic co infection. J Trop Paed 2023; 69: 0008

Name of the faculty- Dr Lipika Singhal

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Publications-

1. Saroha T, Patil PP, Rana R, Kumar R, Kumar S, Singhal L, Gautam V, Patil PB. Genomic features, antimicrobial susceptibility, and epidemiological insights into *Burkholderiacenocepacia* clonal complex 31 isolates from bloodstream infections in India. *Frontiers in Cellular and Infection Microbiology* 2023;13:1151594.
2. Gupta V, Dhawan I, Gulati N...Singhal L, Singla N. Retrospective Study of Swine Flu cases reported in a Medical College in Chandigarh. *International Journal of Medical Science in Clinical Research and Review* 2022; 5(5): 980-985.
3. Saroa T, Singh C, Kumar S, Kumar R, Patil PP, Singhal L, Patil PB, Gautam V. Identification of BcenGI15 genomic island harbouring ST839 clone in a population of *Burkholderiacenocepacia* complex from a major tertiary care hospital in Northern India. *medRxiv* 2022:2022-10.
4. Ivneet Kour, Varsha Gupta, Swati Sharma, Dipanshu Vasesi, Surinder Singhal, Lipika Singhal. Aetiology And Antimicrobial Susceptibility Pattern Of Bacteria Causing Ear Infections . Global journal for Research Analysis.(Accepted)
5. Singhal L, Gupta V, Gautam V, Kour I. XDR *Salmonella typhi* Warrants Vaccine Use in Asian Pacific Region: Prevention Is Still Better Than Cure. *Asia Pacific Journal of Public Health* 2023:10105395231199159.
6. Singhal L, Gupta V, Sharma S, Agarwal A, Gupta P. Mucoid *Staphylococcus haemolyticus*: an unheeded multidrug-resistant pathogen. *Brazilian Journal of Microbiology* 2023;54(1):191-8.
7. 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* 2023.
8. Kour I, Singhal L, Gupta V. Langya Virus, a Newly Discovered Henipavirus Capable of "Zoonotic Spill-over and Associated Community Health Concerns". *Asia-pacific Journal of Public Health* 2023:10105395231193267

9. Gupta P, Gupta V, Singh CM, Singhal L. Emergence of COVID-19 Variants: An Update. Cureus 2023;15(7).
10. Gupta P, Sandhu D, Gupta V, Singhal L. Triple Burden: The Incorrigible Threat of Tuberculosis, HIV, and COVID-19. Infect Disord Drug Targets 2023
11. Singh S, Aggarwal AK, Gudisa R, Batra P, Rathi NK, Madan V, et al. A Novel Potential Treatment for Diabetic Foot Ulcers and Non-Healing Ulcers - Case Series. Infect Disord Drug Targets 2023.

Book Chapters –

S.N	Name of Faculty Member	Name of the Book	ISBN No.	Name of the Publisher	Year of Publication
1.	Dr. Lipika Singhal	<u>Chapter: Diphtheria: A Paradigmatic Vaccine-Preventable Toxigenic Disease with Changing Epidemiology.</u> <u>Book: Recent Advances in Pharmaceutical Innovation and Research.</u>	Print ISBN 978-981-99-2301-4 Online ISBN 978-981-99-2302-1	Springer Nature, Singapore	2023
2.	Dr. Lipika Singhal	Chapter: Reminiscing Phages in the Era of Superbugs. Book: Role of Microbes in Sustainable Development.		Springer Nature	2023
3.	Dr. Lipika Singhal (Corresponding author)	Chapter: Role of Microbes in Production of Vaccines. Book: Role of Microbes in Sustainable Development.	DOI : 10.1007/978-981-99-3126-2	Springer Nature.	2023

Name of the faculty- Dr Neelam Gulati

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Publications-

1. Dhawan P, Singla N, Kundu R, Gulati N, Attri AK, Chander J. Phaeohyphomycosis: A study from tertiary health care center in North India. Indian J Pathol Microbiol. 2022;
2. Gupta V, Dhawan I, Gulati N, Chaudhary P, Walia S, Datta P, Singhal L, Singla N. Retrospective Study of Swine Flu cases reported in a Medical College in Chandigarh. October 2022; 5(5): 980-985(Corresponding)
3. Kumar MB, Gulati N, Chander J, Singla N, Bhalla M, Nayyar C, Sharma S, Kaur M. Species Distribution and Antifungal Susceptibility Profile of Dermatophytes from a Tertiary Care Centre in North India. J Lab Phys. 2022; (Corresponding)
4. Gulati N, Walia S, Gupta V, Dhawan I, Chaudhary P. An update on Zika Virus Infection: Review Article. Indian Journal of Applied Microbiology, 2023; 25(1): 1-12
5. Chaudhary P, Gulati N, Gupta V, Dhanda G, Kumar MB, Sharma S, Goel A, Attri AK. Fatal Clostridium sporogenes soft tissue polymicrobial infections in two immunocompetent cases: Case Reports. Infect Disord Drug Targets. 2023 Jan 12.doi: 10.2174/1871526523666230112161134. Online ahead of print.(Corresponding)
6. Sharma S, Singla N, Gulati N, Arya SK, Chander J. Acrophialophora fusispora as an agent of mycotic keratitis: A case report and review of literature. Oct 2022; DOI: 10.2174/1871526523666221026094300
7. Chaudhary P, Gulati N, Kaur N, Gupta V. COVID-19 Vaccines – Rising to the challenge of emerging viruses. IJMSCR. Nov 2022;5(6); 225-239

Name of the faculty- Dr Preeti Chaudhary

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Publications-

1. Dhandapani S, Rajshekhar D, Priyadarshi K, Krishnamoorthi S, Sundaramurthy R, Madigubba H, Sastry AS; Contributors of HHAC study group. Comparison of hand hygiene compliance among healthcare workers in Intensive care units and wards of COVID-19: A large scale multicentric study in India. Am J Infect Control. 2023 Mar;51(3):304-312. (co-author)
2. Krishnamoorthi S, Priyadarshi K, Rajshekhar D, Sundaramurthy R, Dhandapani S, Madigubba H, Sastry AS. Impact of conducting hand hygiene audit in COVID-19 care locations of India-A large scale national multicentric study - HHAC study. Indian J Med Microbiol. 2023 May-Jun; 43:39-48. (co-author)
3. Gupta V., Dhawan I., Gulati N., Chaudhary P., Walia S., Datta P., Singhal L., & Singla N. Retrospective Study of Swine Flu cases reported in a Medical College in Chandigarh. Int jour Med Sci Clin Res and Rev 2022; 5(05): 980–985
4. Chaudhary P, Gulati N, Kaur N, Gupta V. COVID-19 Vaccines – Rising to the challenge of emerging viruses. IJMSCR 2022; 5 (6): 225-239.
5. Chaudhary P, Gulati N, Gupta V, Dhanda G, Kumar MB, Sharma S, Goel A, Kumar Attri A. Fatal *Clostridium sporogenes* Soft Tissue Polymicrobial Infections in Two Immunocompetent Cases: Case Report. Infect Disord Drug Targets. 2023;23(3)
6. Gulati N, Walia S, Gupta V, Dhawan I, Chaudhary P. An update on Zika VirusInfection: Review Article. Indian Journal of Applied Microbiology, 2023; 25(1):1-12
7. Chaudhary P, Gulati N, Kaur N, Gupta V. COVID-19 Vaccines – Rising to the challenge of emerging viruses. IJMSCR 2022; 5 (6): 225-239.

Name of the faculty- Dr Parakriti Gupta

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Publications-

1. Kaur H, Gupta P, Ahmad H, et al. *Cladosporium halotolerans* : Exploring an unheeded human pathogen . *Mycopathologia*: Accepted
2. Kaur H, Gupta P, Pilania R, Suri D, Singh S, Ghosh A, Rudramurthy SM. Trend of pediatric cryptococcosis in a tertiary care centre and review of literature. *Indian J Med Microbiol*. 2023 May-Jun;43:18-29
3. Singhal L, Gupta V, Sharma S, Agarwal A, Gupta P. Mucoid *Staphylococcus haemolyticus*: an unheeded multidrug-resistant pathogen. *Braz J Microbiol*. 2023 Mar;54(1):191-198
4. Gupta P, Kaur H, Rompally S, Muthu V, Kollabathula A, Sharma A, Srivastava S, Rudramurthy SM. Disseminated Cryptococcosis and Pulmonary Mucormycosis: Dealing with Dual Mycoses in a Renal Transplant Patient. *Mycopathologia*. 2023 Apr;188(1-2):163-167
5. Yadav B, Gupta N, Ahmed H, Gupta P, Chaudhary H, Bansal R, Rudramurthy SM, Kaur H. Mycotic Endophthalmitis by *Parathyridaria percutanea*. *Mycopathologia*. 2022 Dec;187(5-6):623-626
6. Gupta P, Gupta V, Singh CM, Singhal L. Emergence of COVID-19 Variants: An Update. *Cureus*. 2023 Jul 3;15(7):e41295. doi: 10.7759/cureus.41295
7. Gupta P, Kaur H, Agnihotri S, Ghosh A, Rudramurthy SM. P205 Uncommon *Aspergillus* species encountered in human infections. *Med Mycol*. 2022 Sep 20;60(Suppl 1):myac072P205

8. Kaur H, Gupta P, Shankarnarayan S, Pandey A, Ghosh A, Chakrabarti A, Rudramurthy S. P142 *Lodderomyces elongisporus*: A n emerging cause of fung emia. Med Mycol. 2022 Sep 20;60(Suppl 1):myac072P142

9. Gudisa R, Kaur H, Gupta P, Gupta S, Ahmed H, Kapoor M, Marak R, P. M, Sahu S, Wanjare S, Hallur V, Bala U, Yadav S, Dias M, Shah V. P201 *Medicopsis romeroi*: an emerging cause of subcutaneous infections. Med Mycol. 2022 Sep 20;60(Suppl 1):myac072P201

10. Ahmad H, Kaur H, Gupta P, Shakranarayana S, Agnihotri S, Mehta P, et al. P393 Clinical spectrum and molecular characterization of *Rhytidhysteron* spp. (now *Gloniopsis*) from India. Med Mycol. 2022 Sep 20;60(Suppl 1):myac072P393

11. Srinivasan P, Kaur H, Gupta P, Pandey A, Paul RA, Ghosh A, Chakrabarti A, Rudramurthy SM. P294 A descriptive study of *Trichosporon fungemia* cases from tertiary care center from north India. Med Mycol. 2022 Sep 20;60(Suppl 1):myac072P294

Book chapters-

1. Gupta P, Singhal L, Gupta V. Reminiscing phages in the era of superbugs; 2023. In: Role of Microbes in Sustainable Development. Springer Nature

