

1. Name:

Dr Purva Mathur

2. Designation and Qualification:

**Assistant Professor
M.D. Microbiology**

Present employment:

Faculty in Department of Laboratory Medicine

JPNA Trauma Centre, AIIMS, since 26.09.2005

Job responsibilities

Hospital service, Teaching, Training and
Research

Present Responsibilities

Presenting looking after the laboratory services at the Department of Laboratory Medicine of the JPNA Trauma Centre, AIIMS; in particular, the Microbiology and Hospital Infection Control work of the Centre. Involved in monitoring of the nosocomial infections, and assessing trends of antimicrobial resistance.

Other responsibilities:

Member secretary of the Hospital Infection Control Committee of the Centre.

In-charge of the dietary services at the Trauma Centre.

RESEARCH PAPERS

1. **P. Mathur**, A. Kapil, B. Das, B. Dhawan, S.N. Dwivedi. Invasive β -haemolytic streptococcal infections in a tertiary care hospital in Northern India. *Journal of Medical Microbiology* 2002; 51:791-792.
2. **Mathur P**, Vajpayee M, Samantaray JC. Visceral Leishmaniasis/ Human Immunodeficiency Virus co-infection in India: the epicenter of both epidemics. Submitted to the **Emerging Infectious Diseases**.
3. **Mathur P**, Kapil A, Das B, Dhawan B. Epidemiology and microbiology of nosocomial bacteremia at an Indian tertiary care hospital. *Tropical Doctor* 2005; 35(1): 53-54.
4. **Purva Mathur**, Arti Kapil, Bimal Das, Benu Dhawan. Prevalence of extended spectrum β lactamase producing Gram negative bacteria in a tertiary care hospital. *Indian Journal of Medical Research* 2002; 115:153-157.
5. **Purva Mathur**, Rama Chaudhry, Lalit Kumar, Arti Kapil, Benu Dhawan. A study of bacteremia in febrile neutropenic patients at a tertiary care hospital with special reference to anaerobes. *Medical Oncology* 2002; 19(4):267-72.
6. **Purva Mathur**, Arti Kapil, Rachna Chandra, Pratibha Sharma, Bimal Das. Antimicrobial resistance in *Enterococcus faecalis* at a tertiary care centre of Northern India. *Indian Journal of Medical Research* 2003; 118: 25-28.
7. **Mathur P**, Samantaray JC. The first probable case of platelet transfusion transmitted visceral leishmaniasis. *Transfusion Medicine* 2004; 14 (4): 319-21.
8. **Mathur Purva**, Chaudhry Rama, Dhawan Benu, Kumar Lalit. Anaerobic bacteremia in patients of Hematologic Malignancies. *Medical and Pediatric Oncology* 2002; 38:147.
9. **Purva Mathur**, Arti Kapil, Bimal Das, Benu Dhawan, SN Dwivedi. Spectrum of β -haemolytic streptococcal soft tissue infections in a tertiary care hospital of Northern India. *Indian Journal of Medical Research* 2003; 118: 187-191.
10. **Mathur P**, Samantaray JC, Mangraj S. smouldering focus of kala-azar in Assam. *Indian Journal of Medical Research* 2004; 120 (1): 56.

11. **Purva Mathur**, NK Arora, Arti Kapil, Bimal Das. *Streptococcus pyogenes* meningitis. *Indian Journal of Pediatrics* 2004; 71: 423-426.
12. **Mathur P**, Dhawan B, Kumar L, Arya LS, Chaudhry R. Bacteremia due to *Gemella morbillorum*. *Indian Pediatrics* 1999 Dec; 36 (12): 1264-6.
13. **Purva Mathur**, Renuka, L. Simpson. Pleural effusion in complicated *Salmonella paratyphi* A infection. *Indian Pediatrics* 2003; 40: 252-254.
14. **Mathur P**, Kapil A, Das B. Prevalence of Group G & Group C streptococci at an Indian tertiary care center. *Indian Journal of Medical Research* 2004; 120 (3): 199-200.
15. **Mathur P**, Chaudhry R, Dhawan B, Sharma N and Kumar L. Vancomycin resistant *Enterococcus faecium* Bacteremia in a lymphoma patient. *Indian Journal of Medical Microbiology* 1999 Oct; 17 (4): 194-195.
16. **Purva Mathur**, Jyotish Samantaray, Neeraj Chauhan. Evaluation of a rapid immunochromatographic test for diagnosis of Kala-azar and post kala-azar dermal leishmaniasis at a tertiary care center. Accepted for publication in the *Indian Journal of Medical Research*.
17. Xess I, **Mathur P**, Sirka CS, Banerjee U. Comparison of trypsin treatment method and standard laboratory technique for diagnosis of dermatomycosis. *Southeast Asian Journal of Tropical Medicine and Public Health* 2004; 35 (2):396-8.
18. Chaudhry R, **Mathur P**, Dhawan B, Gaur S, Dey AB. Infections caused by *Gemella* spp. case reports from India. *Journal of Infection*. 2001 Aug; 43 (2): 152-5.
19. Shobha Broor, Dhruaba Ghosh, **Purva Mathur**. Molecular epidemiology of rotavirus in India. *Indian Journal of Medical Research* 2003; 118: 59-67 [Review article].
20. Chaudhry R, **Mathur P**, Dhawan B, Kumar L. Emergence of Metronidazole resistant *Bacteroides fragilis*, India. *Emerging Infectious Diseases* 2001 May-June; 7 (3): 485-6.
21. Benu Dhawan, Richard Bonnet, NK Shukla, **Purva Mathur**, Bimal Das, Arti Kapil. Infection with an Extended spectrum β lactamase producing strain of

- Serratia marcescens* following tongue reconstruction. *Journal of Clinical Microbiology* 2003; 41(5):2233-34.
22. BK Das, NK Arora, **P Mathur**, P Ostwal, S Mandal , SK Kabra et al. Nosopharyngeal carriage of *Haemophilus influenzae* . *Indian Journal of Pediatrics* 2002; 69: 775-777.
23. Benu Dhawan, Ujjwayini Khan, Bimal K. Das, **Purva Mathur**, Arti Kapil. Group B Streptococcal Bacteremia in an Adult: Case Report from India. *Southeast Asian Journal of Tropical Medicine and Public Health* 2001;32: 867-7.
24. Benu Dhawan, Bimal K. Das, **Purva Mathur**, Arti Kapil. Bacteriological profile of post neurological meningitis in Indian children. *Tropical Doctor* 2004; 34:58-59.
25. **P Mathur**, A Kapil, B Das. Nosocomial bacteremia caused by multiresistant bacteria in intensive unit care patients of a tertiary care center. Accepted for publication in the *Indian Journal of Medical Research*.
26. **Mathur P**. Infections in traumatised patients: a growing medico-surgical concern. *Indian J Med Microbiol.* 2008 Jul-Sep;26(3):212-6.
27. **Mathur P**, Samantaray JC, Samanta P. High prevalence of functional liver derangement in visceral leishmaniasis at an Indian tertiary care center. *Clin Gastroenterol Hepatol.* 2008 Oct;6(10):1170-2.
- 28.. Behera B, **Mathur P**, Das A et al. An evaluation of four different phenotypic techniques for detection of metallo-beta-lactamase producing *Pseudomonas aeruginosa*. *Indian J Med Microbiol.* 2008 Jul-Sep;26(3):233-7.
- 29.. Behera B, Das A, **Mathur P**, Kapil A. High prevalence of carbapenem resistant *Pseudomonas aeruginosa* at a tertiary care centre of north India. Are we under-reporting? *Indian J Med Res.* 2008 Sep; 128(3):324-5.

30. Dahiya S, Kapil A, Kabra SK, **Mathur P**, Sood S, Lodha R, Das BK. Pertussis in India. *J Med Microbiol.* 2009 May;58(Pt 5):688-9.
31. Bijayini Behera, Anupam Das, **Purva Mathur**, Arti Kapil et al. Tigecycline susceptibility report from an Indian tertiary care hospital. Accepted for publication in *IJMR*.
32. Behera B, **Mathur P**. Erroneous reporting of vancomycin susceptibility for *Staphylococcus* Spp. by vitek software version 2.01. Accepted for publication in the **Japanese Journal of Infectious Diseases**.
33. Gupta S, **Mathur P**, Maskey D, Wig N, Singh S. Immune Restoration Syndrome with disseminated *Penicillium marneffe* and Cytomegalovirus co-infections in an AIDS patient. *AIDS Res Ther.* 2007 Oct 8;4:21.
34. Sharma U, Redhu NS, **Mathur P**, Singh. Re-emergence of visceral leishmaniasis in Gujarat, India. *J Vector Borne Dis.* 2007 Sep;44(3):230-2.
35. Malatesha G, Mathur P, Madan K, Samanta P, Samantaray JC. *Trop Gastroenterol.* Profile of fatal visceral leishmaniasis at an Indian tertiary care center. 2007 Jan-Mar;28(1):28-31.
36. Behera B, Mathur P. *Jpn J Infect Dis.* 2009 Jul;62(4):298-9. Erroneous reporting of vancomycin susceptibility for *Staphylococcus* spp. by Vitek software version 2.01.
37. *Singapore Med J.* 2009 Jun;50(6):628-32. Ertapenem susceptibility of extended spectrum beta-lactamase-producing Enterobacteriaceae at a tertiary care centre in India. Behera B, Mathur P, Das A, Kapil A

2] CHAPTERS IN BOOKS

1. Samantaray JC, **Mathur P. Zoonotic Malaria**. Chapter submitted on request for publication in **Review of Parasitic infections, 2nd edition**, Edited by SC Parija.
2. Nidhi Sharma and **Purva Mathur. Bio- safety guidelines. Mollicutes Technology & Molecular Techniques**. Edited by Rama Chaudhry, Pawan Malhotra & Usha Gupta. CME monograph, Series No. 5; Page 149-152.
3. Madhu Vajpayee, **Purva Mathur**. Laboratory Diagnosis of HIV. VK Sharma (ed). Sexually transmitted diseases and AIDS. 2nd edition (In press).
Madhu Vajpayee, **Purva Mathur**. Laboratory diagnosis of HIV/AIDS". **Chapter 69**. In: **IADVL Textbook and Atlas of Dermatology, 3rd edition; PP 1042-50**.
Madhu Vajpayee, **Purva Mathur. Laboratory Diagnosis of Syphilis. Chapter 15**. In: **IADVL Textbook and Atlas of Dermatology, 3rd edition Chapter 69; PP 1042-50**.

PROJECTS

Evaluation of peripheral blood Polymerase chain reaction for diagnosis and prognosis of visceral leishmaniasis: Institute Research Grant.

1. Evaluation of serum procalcitonin levels for diagnosis of sepsis in trauma patients admitted to intensive care units. (*Funded by the Institute*)
2. Molecular and epidemiological study of *Streptococcus pyogenes* in India. (*Funded by the ICMR*).
3. Efficacy of a short course of prophylactic antibiotic treatment for prevention of post operative infections in open reduction and internal fixation of closed fractures. (*Funded by the ICMR*).