

Curriculum Vitae of Dr. Jyotsna Agarwal

Name: **Dr. Jyotsna Agarwal**
Date of Birth: 17-09-1969
Current Affiliation: Professor and Head, Department of Microbiology,
Dr. R M L Institute of Medical Sciences, Lucknow-226010, India
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Educational Qualifications:

M.D. (Microbiology)	1997	Institute of Medical Sciences Banaras Hindu University, Varanasi.	
M.B.B.S.	1993	Christian Medical College & Hospital, Vellore, Madras University.	69%,

Academic Distinctions and Awards:

- Secured Distinctions in the subjects of Biochemistry, Microbiology and Pathology in Professional MBBS Examinations.
- Stood 6th in the order of merit in Second MBBS examination, 1990 and Final MBBS examination, 1991 of CMCH, Vellore.
- Awarded Somervell medal in clinical surgery, 1991, CMCH, Vellore.
- Awarded Mrs. Mary Thomas Memorial Prize for best lady student in surgery, 1991-92, CMCH, Vellore.

Overseas Training/ Fellowships

- Fellowship awarded by *HIV foundation, Nagoya University, Japan*, to learn molecular techniques in diagnosis of HIV July 1999 for duration of two weeks.
- Honorary Registrar, Infectious Diseases, Royal North shore Hospital, University of Sydney, Australia, July 2000 to July 2001.

Membership Professional Bodies

- Life Member of Indian Association of Medical Microbiologists
- Life member of UP Chapter of Indian Association of Medical Microbiologists
- Life member of Clinical Infectious Disease Society of India

Areas of interest: Molecular diagnostics, Antimicrobial resistance in microbes, uropathogenesis, STI/RTI in women, Hospital Associated Infections

Other Achievements

- Awarded as first runner up in the outstanding woman in medical and health care award category in **3rd FLO Women Awards of Uttar Pradesh 2017-2018**

- Voted “Best teacher” by outgoing MBBS students on Teachers’ day celebration on 5th September 2016, at King George’s Medical University.
- ‘Excellence in Teaching’ award on Teachers day on 5th September 2015, at King George’s Medical University Teachers’ day celebration
- Voted “Best teacher” by outgoing MBBS students on Teachers’ day celebration on 5th September 2014, at King George’s Medical University.
- Awarded first prize at KGMU Research Showcase 2013 October in Basic Sciences at KGMU, Lucknow.
- Was Nodal officer for regional laboratory for Diphtheria and Pertussis surveillance project sponsored by WHO.
- Was Nodal officer incharge for Regional RTI/STI diagnostic centre for state of UP sponsored by UPSACS and NACO
- Co-organised symposium on ‘Blood culture in sepsis” at KGMU, Lucknow on 2nd August, 2013
- Associate Editor for Clinical Epidemiology and Global Health (Official Journal of IndiaCLEN, an international, multidisciplinary, peer-reviewed journal published by Elsevier, India Ltd).
- Reviewer for Journal of Medical Microbiology, a journal of the Society for General Microbiology; Indian Journal of Medical Microbiology; Indian Journal of Medical Research
- National faculty for RTI/STI teaching and training programme of NACO, India and SIFPSA, UP Govt.
- Microbiology examiner for Diplomate of National Board (DNB).
- Member, Selection Panel for Microbiologists, Union Public Service commission.
- Core group member for curriculum designing and Module coordinator for Medical Microbiology, for M. Phil course in Translational Health Sciences, KGMU, sponsored by DBT, Govt. of India.
- Joint Organizing secretary for UP Chapter of IAMM, organized by Department of Microbiology, KGMU, Lucknow on 16th February 2008
- Co-organiser of “Hands on Training Work-Shop on Antibiotic sensitivity testing of commonly isolated bacteria” KGMU, Lucknow on 20th-21st March. 2005.

Professional Experience

<i>Position</i>	<i>Department</i>	<i>Institution</i>	<i>Period</i>
Professor	Microbiology	Dr. RMLIMS, Lucknow	November 6, 2017 till date
Professor	Microbiology	KGMU, Lucknow	May 2010 to November 5, 2017
Associate Professor	Microbiology	KGMU, Lucknow	May 2006 to May 2010
Assistant Professor	Microbiology	KGMU, Lucknow	24 th April 2002 to May 2006
Senior Research Associate	Microbiology	SGPGIMS, Lucknow	August 2001-April 2002
Honorary Registrar	Infectious Diseases	Royal North Shore Hospital, University of Sydney, Sydney, Australia	August 2000 – July 2001
Senior Resident	Microbiology	SGPGIMS, Lucknow	July’97 to July 2000

Research Projects: Current (On-going) Research Projects:

1. **Project Title:** An assessment of changing pattern of seroepidemiology of Hepatitis A virus infection in endemic setting
Funded by: Dr. RMLIMS for 2 years from July 2015
Role: Principal Investigator

Research Projects Completed: 5 as PI and 8 as Co-I

1. **Project Title:** Immunological, genetic and behavioral profile of women with urinary tract infections by *E. coli*: role of host factors
Funded by: DBT [BT/PR7936/SPD/11/1437/2013], for 3 years from July 2015
Role: Principal Investigator
2. **Project Title:** Role of real time multiplex PCR in rapid diagnosis of community acquired acute bacterial meningitis in children
Funded by: UPCST [CST/SERD/D-295] for 3 years from July 2015
Role: Principal Investigator
3. **Project Title:** Characterization of uropathogenic *E. coli* strains associated with specific clinical syndrome and fecal *E. coli* population of the same women: are there distinct uropathotypes?
Funded by: DBT, New Delhi, India for 3 years from Sep'2010
Role: Principal Investigator
4. **Project Title:** Phylogenetic classification and biofilm formation ability of *E. coli* isolates from acute first time and recurrent urinary tract infections in women.
Funded by: UPCST [CST/SERD/D-295] for 3 years from June 2009
Role: Principal Investigator
5. **Project Title:** Application of Nucleic Acid Amplification Techniques in Screening Women for Genital *Chlamydia trachomatis*
Funded by: DST, New Delhi, India for 3 years from Dec'2006
Role: Principal Investigator

Research Supervision:**Chief Supervisor for following Post MD-PhD thesis**

- Identification of genetic markers of Uropathogenic *Escherichia coli* isolates associated with acute cystitis in women

Chief Supervisor for following PhD thesis

- Virulence determinants of *Escherichia coli* causing first urinary tract infection and risk of second infection, August 2010
- Transcriptional and translational expression of virulence factors in concurrent urinary and fecal isolates of *E. coli* from women with urinary tract infection, August 2011.

Scientific Conferences/Workshops attended, Lectures Delivered:

- Attended “ **Technology Vision-2035 in relevance to the State of Uttar Pradesh**” as Director, Dr.RMLIMS nominee member, organized on the occasion of National Science Day by Council of Science and Technology, U.P. in association with

Technology Information Forecasting & assessment Council (TIFAC) on 28th February 2018

- Delivered a lecture on the topic “Bad Bugs No Drugs” in **Annual CME of Vivekanand Polyclinic & Institute of Medical Sciences, Lucknow** on 20th February 2018
- Chaired session on “**Antimicrobial Stewardship**” in National CME cum workshop on Hospital Infection Prevention & Control Practices organized by Department of Microbiology SGPGIMS in collaboration with SGPGIMS Hospital Infection Control Committee from 12th to 15th December, 2017.
- Delivered a lecture on the topic “**Bad Bugs No Drugs**” on the occasion of “**World Antibiotic Awareness Week of WHO**” on 18th November 2017, organized by the Department of Microbiology and Department of Anaesthesiology and Critical care, Dr. RMLIMS
- Attended orientation workshop on the theme “**Seek Advice from a Healthcare Professional before taking Antibiotics**” at DGMH's Swasthya Bhawan, Lucknow on 13th November 2017
- Participated in National CME cum workshop on “**Hospital Infection Prevention & Control Practices and Antimicrobial stewardship Program**” organised by Department of Microbiology, SGPGIMS in collaboration with SGPGIMS Hospital Infection Control committee from Dec 12th- 15th at SGPGIMS, Lucknow
- Participated in Newton fund proposal development workshop as SIFPSA nominee for “Improving the diagnosis and management of infectious and non-infectious abnormal genital discharge in women, by formal and informal frontline health workers in rural India and Bangladesh” organised by London School of Hygiene & Tropical Medicine at New Delhi on 4th August 2017.
- Participated in ICMR workshop on “**Antimicrobial stewardship**” on May 10th at TMC Kolkata, under flagship of CDC Atlanta.
- Attended and participated in “**12th International Conference of Laboratory Medicine and Pathology**” organised by Conference series at London, UK, from 15th-16th March, 2017
- Delivered Guest Lecture in meeting of Lucknow Obstetrics & Gynaecology Society (**LOGS**) as part of women health awareness program for sensitization of Gynaecologist for ‘Prevention of Urinary tract infection’ on 4th February 2017 at Hotel Gemini Continental, Lucknow
- Delivered Guest Lecture for post graduate students of **Department of Obstetrics & Gynaecology** on “Urinary Tract Infection” on 2nd February 2017
- Attended workshop for “**Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India**” organised by AIIMS, New Delhi under CDC Atlanta, flagship; at India Habitat Center, New Delhi, from 14th to 15th December, 2016
- Delivered Guest Lecture at ‘IAMM Symposium on MICROBIOME’ on “Microbiota in Disease” in **MICROCON 2016**, organised by **PGIMER, Chandigarh**, from 23rd to 27th November 2016.
- Participated at **SGPGI, Lucknow**, in Basic Course in ‘**Antimicrobials**’ from 21st to 24th November 2016, Organised by Department of Critical Care Medicine.
- Attended workshop on Laboratory Quality Management Systems and Internal Audit As per ISO15189-2012, organised by Foundation for Quality (India), at **KGMU, Lucknow**, from 4th -7th November 2016

- Participated in **ASM CME on “Antibiotic Resistance: Renewed Fears”**, on 10th September, 2016, organised by The American Society of for Microbiology in collaboration with AIIMS, New Delhi and UCMS, New Delhi at **New Delhi**.
- Invited Speaker at **“Hospital Based Surveillance for Radiological Pneumonia in Children Under 5 Years of Age in Uttar Pradesh and Bihar”** organised by **Department of Paediatrics, KGMU** on 25th august 2016 at Lucknow
- Participated in **6th Annual conference of Clinical Infectious Diseases society (CIDSCON 2016)**, from 26th to 28th August, 2016, at **Varanasi**.
- Invited speaker at **Symposium** on ‘Molecular diagnosis of infectious diseases’ on “Molecular detection of antimicrobial resistance in Gram negative rods” on 22nd June 2016, organised by **T.N. Medical College and Byl Nair Hospital, Mumbai**
- Invited speaker at **Critical care workshop**, delivered lectures on ‘Infection control & concept of bundle’ and ‘Microbiological sample collection’ on 7th May 2016, organised by **Department of Anesthesiology, KGMU, Lucknow**
- Invited speaker at **CME on ‘Growing Resistance to antimicrobials’** on account of World Health Day on 6th April 2016, organised by **Era’s Lucknow Medical College and Hospital, Lucknow**.
- Scientific committee member for **“Update on Infectious disease 2016”** conference and panellist on “Diagnosis and management of endocarditis” at KGMU, Lucknow on 2nd -3rd April. 2016. Also won first prize in e-poster category
- Invited speaker at pre conference **CME at UPMICROCON (UP chapter of IAMM) on ‘Challenges in management of STDs (gonorrhoea and chlamydia)**, 5th February 2016, organised by Department of Microbiology at **RMLIMS, Lucknow**.
- Participated in the **“International Symposium on Genetics and Genomics in Modern Clinical Medicine”** organized by the Indo UK Genetic education Forum, Wales Gene Park, Cardiff University, UK and KGMU, Lucknow, UP, India from 9th to 10th February, 2015, at **KGMU, Lucknow, UP**.
- Attended & participated as Faculty in **International Seminar on Competency based Medical Education**, organized by MCI and ICMR, New Delhi from 9th to 10th October 2015 at KGMU Lucknow
- Attended **Evidence based Medicine course**, 10th to 21st August 2015 at KGMU Lucknow
- Participated in workshop on **Laboratory Diagnosis of Diphtheria**, organised by WHO and Public Health England, from 28th to 30th January, 2015, at **CMC Vellore**.
- Attended Hands on Training on Rickettsial infections with special reference to **Scrub Typhus**, organised by CDC, Atlanta, at **National Centre for Disease Control, New Delhi**, from 27th -29th May, 2015
- Invited speaker at **SGPGI, Lucknow**, for Basic Course in ‘Antimicrobials’ from 8th to 13th December 2015, Organised by Department of Critical Care Medicine.
- Participated and presented paper in 114th **General Meeting of American Society of Microbiologists** at Boston, USA, from May 17th-20th, 2014
- Participated in **Examiner Training Workshop** held at KGMU, on Oct 31st, 2014
- Participated and presented paper in **37th Annual Conference of IAMMMICROCON** organised by Nizam’s Institute of Medical Sciences, Hyderabad 21st -24th Nov 2013
- Chaired session on **‘Special Issues’** at **ISHWMCON 13** organized by Indian Society of Hospital Waste Management, KGMU from 7-8th December, 2013.

- Invited speaker in **Panel Discussion on Antibiotics** at **UPPEDICON-2013** organized by Lucknow Academy of Pediatrics and Department of Pediatrics, KGMU from 26th-27th October 2013.
- Delivered Guest Lecture at **CME on Antibiotic Stewardship** organized by Ram Manohar Lohia Institute of Medical Sciences, Lucknow on 5th October, 2013.
- Delivered Guest Lecture at **Surgery Updates**, organised by ASI, at Maulana Azad Medical College, New Delhi on 24th September, 2013.
- Participated in **GASP workshop**, organised by **World Health Organization** at Safdarjung Hospital, New Delhi, from 3rd-5th September, 2013.
- Attended **Basic course in Medical Education Technologies**, 4-6th April 2013, at KGMU Lucknow
- Invited speaker at **International Seminar on Airborne and Respiratory Afflictions** Organised by Association of Research Professionals, at Balrampur Hospital, Lucknow on 23rd March, 2013.
- Participated **Annual IndiaCLEN Conference** 2nd-3rd March 2013, Organised at KGMU Lucknow
- Invited speaker at **Advances Immunology Course** organised by Department of Biochemistry, KGMU, Lucknow from 22nd-23rd February, 2013.
- Invited speaker at **Training Course on Scientific Writing** organised by National Institute of Health and Family welfare & Department of Community Medicine, KGMU, Lucknow held KGMU, Lucknow from 16th to 20th December 2012.
- Chairperson for oral paper presentation session in **36th Annual Conference of IAMMMICROCON** organised by Lady Harding Medical College, New Delhi from 23rd-25th November 2012.
- Invited speaker at CME on **“Hospital Acquired Infections”** organised by the Department of Microbiology at Hind Institute of Medical Sciences, Barabanki, Lucknow on 18th November 2012
- Invited speaker at **All India Ophthalmic society- PG Refresher programme** held at Dept. of Ophthalmology, KGMU, 25th to 27th September 2012
- Invited speaker at CME organised by **Christian Medical College Vellore Alumni Association**, August 9th 2012 at CMC Vellore.
- Invited speaker at **Critical Care Update: New perspectives** organised by Department of Anaesthesiology, 7th April 2012
- **35th Annual Conference of IAMM MICROCON**, at BHU, Varanasi, UP from 23rd-26th Nov'2011.
- **1st Global Forum on Bacterial Infections: Balancing Treatment Access and Antibiotic Resistance**, New Delhi, 3rd - 5th October, 2011.
- **34th Annual Conference of IAMM MICROCON**, at Kolkata from 23rd-26th November 2010.
- **14th International Congress on Infectious Diseases**, at Miami, Florida, and presented a paper on “Unusual presentation of Dengue infection in children in North India” 9-12th March 2010
- **5th annual conference of UP chapter of IAMMU.P.** Rural Institute of Medical Sciences & Research Saifai, Etawah Co chaired session on Multi-drug Resistant Bacterial Infections 7-8th February 2009
- Attended orientation meeting of **National STI Resource Pool** held at National Institute of Health and Family welfare, New Delhi on May 19th 2008

- **Molecular Epidemiology of diarrhoeal diseases** with special reference to Cholera. Hands on training workshop organised by National Institute of Cholera and Enteric Diseases, Kolkata, 12-23 November 2007.
- Resource person in “**Hands on Training Work-Shop on Antibiotic sensitivity testing of commonly isolated bacteria**” organized by Departments of Microbiology and Pathology, KGMU, Lucknow on 20th-21st March, 2005.
- Work shop on **RTI/STI/HIV** organised by SIFPSA, Department of Health and family Welfare, Govt. of UP, on February 21st to 23rd, 2005.
- Delivered Guest Lecture at **CME and update in Microbiology**, organised by Department of Microbiology, SN Medical College, Agra, on 17th-18th January, 2005.
- Participated and presented a paper entitled “In house PCR on first void urine in women for diagnosis of genital Chlamydia trachomatis” at National conference of **Indian Association of Medical Microbiologists**, held at SGPGIMS, Lucknow, November 26th -29th, 2004.
- Delivered Guest Lecture in CME on **Surgical Infections** organised by Department of Surgery, IMS, BHU, Varanasi on April 11th, 2004.
- Workshop on **Research on Sexually Transmitted and Reproductive Tract Infections in India: Problems and Solutions**. Organised by Population Council, from 17th –20th April, 2004 at Goa.
- **Recent Developments in Medical Mycology** a pre conference CME organised by SIHAM at PGIMER Chandigarh on March 11th 2004. **Awarded First Prize** in poster on “Role of candida sp. in neonatal septicaemia”
- **Molecular Epidemiology of diarrhoeal diseases** with special reference to Cholera. Hands on training workshop organised by National Institute of Cholera and Enteric Diseases, Kolkata, from 2-13th November 2003.
- **Encephalitis: Current trends and challenges**, CME organised by department of Microbiology, SGPGIMS, Lucknow on 26th and 27th September, 2003
- Workshop on **HIV/ AIDS training** at King George’s Medical College organised by National AIDS Control Organization and U. P. State AIDS Control Society, Lucknow, from 15-17th May 2002.
- Participated in monthly meetings of **Sydney Infectious Diseases Group**, at Sydney, Australia, from August 2000 till July 2001.
- Two weeks long fellowship awarded by HIV foundation, Nagoya University, Japan, to learn **molecular techniques in diagnosis of HIV**, which included nested PCR, RT assay, Anti HIV assay, quantitative estimation of HIV using amplicor kit and ELISA for P-24 antigenaemia July 1st –15th 1999.
- National Workshop on **Helicobacter/Campylobacter** organised by Department of Microbiology, SGPGIMS, Lucknow, January 19th – 23rd 1999.
- Workshop on **Role of Microbiology Laboratory in Control of Hospital associated Infection**, at Vth National Conference on Hospital Infection, Lady Harding Medical College, New Delhi, November 26th 1998.
- Symposium on **Gastrointestinal Protozoal Infection** organised by Department of Gastroenterology, SGPGI, Lucknow, February 23rd – 24th, 1998.
- Workshop on **Recent Advances in Mycobacterial Diseases** at the XX Annual conference of Indian Association of Medical Microbiologists, Agra, October 31st 1996.

Scientific Publications:

Book Chapter:

1. Prasad KN, **Agarwal J**. Laboratory diagnosis and Microbiology: Bacteria. In Dionisio D (Ed.) **Textbook and Atlas of Intestinal Infections in AIDS**. Springer Verlag Italia, 2002, Milano.

Original Papers:

2. Prasad KN, **Agarwal J**, Dixit AK, Tiwari DP, Dhole TN, Ayyagari A. Role of yeasts as nosocomial pathogens and their susceptibility to fluconazole and amphotericin B. **Indian Journal of Medical Research**. 1999; 110: 11-17; **Impact Factor: 1.396, citations:26**.
3. Dhole TN, Kapoor A, **Agarwal J**, Isomura S, Kew OM. Intratyping and partial nucleotide sequencing of poliovirus isolates of Northern India. **Indian Journal of Medical Research**.2000; 111: 151-156; **Impact Factor: 1.396**.
4. **Agarwal J**, Anupurba S. Isolation rates of mycobacterial species from Varanasi (north India). **Indian Journal of Medical Microbiology**.2000; 18(4): 178-179; **Impact Factor:0.882**.
5. Choudhury A, **Govil J**, Nath G. Characterization and antimicrobial susceptibility of clinical isolates of non-fermentative bacteria. **Indian Journal of Medical Microbiology**.2001; 19(1): 48-9; **Impact Factor:0.882**.
6. Prasad KN, **Agarwal J**, Nag VL, Verma AK, Dixit AK, Ayyagari A. Cryptococcal infection in patients with clinically diagnosed meningitis in a tertiary care centre. **Neurology India**. 2003; 51(3): 364-366; **Impact Factor: 1.232, citations: 33**.
7. Kishore J, **Agarwal J**, Agarwal S, Ayyagari A. Seroanalysis for *Chlamydia trachomatis* and S-TORCH agents in women with recurrent spontaneous abortions. **Indian Journal of Pathology and Microbiology**.2004; 46(4): 684-687; **Impact Factor: 0.466, citations:16**.
8. **Agarwal J**, Bansal S, Jain A. Trends in neonatal septicemia: emergence of non albicans *Candida*. **Indian Journal of Paediatrics**.2004; 41(7): 712-715; **Impact Factor: 0.867,citations: 26**.
9. Jain A, **Agarwal J**, Bansal S. Prevalence of methicillin resistant coagulase negative staphylococci in neonatal ICU- findings from a tertiary care hospital in India. **Journal of Medical Microbiology**.2004; 53: 941-944; **Impact Factor: 2.248, citations:32**.
10. Bansal S, Jain A, **Agarwal J**, Malik GK. Significance of coagulase negative staphylococci isolated from neonates with late onset septicemia.**Indian Journal of Pathology and Microbiology**.2004; 47(4): 586-588;**Impact Factor: 0.466, citations:14**.
11. Das V, Agarwal M, **Agarwal J**, Jain A, Agarwal A and Pandey A. Prevalence of genital *Chlamydia trachomatis* by first void urine polymerase chain reaction test in women attending out patient clinic. **Journal of Obstetrics and Gynecology of India**.2006; 56 (6): 511-513.

12. Jain R, Jain A, **Agarwal J** and Awasthi S. Role of Chlamydia sp. in children with community acquired pneumonia, **Indian Pediatrics**.2007; 44(3):216-218; **Impact Factor: 1.04,citations:5.**
13. Chandrakanta, Kumar R, **Agarwal J**, Kapoor G, Jain A, Changing clinical manifestations of Dengue infection in North India. **Dengue Bulletin of WHO**. 2008; 32:118-125.
14. **Agarwal J**, Kalyan R and Singh M. High level Resistance to aminoglycosides and β - lactamase production in enterococci at a tertiary care hospital. **Japanese Journal of Infectious Diseases**.2009; 62: 158-159;**Impact Factor:1.161, citations:13.**
15. **Agarwal J**, Awasthi S, Rajput A, Tiwari M, A Jain. Atypical bacterial pathogens in community-acquired pneumonia in children: a hospital based study. **Tropical Doctor**.2009; 39:109-111; **Impact Factor:0.481,citations:11.**
16. **Agarwal J**, Kapoor G, Srivastava S, Singh KP, Kumar R, Jain A. Unusual clinical profile of Dengue Infection in patients attending a tertiary care teaching hospital in north India. Abstract published in **International Journal of Infectious Diseases**.2010; 14(1): e174-e175; **Impact Factor: 1.859.**
17. Mittal V, **Agarwal J**, Jain A, Verma AK. Prevalence of genital *Chlamydia trachomatis* in women using PCR on urine specimen. **Biomedical Research**. 2010; 21: 21-24.**Impact factor: 0.24.**
18. Jindal G, Pandey RK, **Agarwal J**, Singh M. A comparative evaluation of probiotics on salivary mutans streptococci counts in Indian children. **European Archives of Paediatric Dentistry**.2011; 12(4): 211-215; **Impact Factor: 0.48, citations:14.**
19. Malik S, Gupta A, Singh KP, **Agarwal J**, Singh M. Antibigram of Aerobic Bacterial Isolates from Post-operative Wound Infections at a Tertiary Care Hospital in India. **Journal of Infectious Diseases and Antimicrobial Agents**. 2011; 28(1): 45-51
20. Mishra B, Srivastava S, Singh K, Pandey A, **Agarwal J**. Symptom based diagnosis of urinary tract infections in women: are we over prescribing antibiotics? **The International Journal of Clinical Practice**.2012; 66(5): 493–498;**Impact Factor:2.566.**
21. Awasthi S, Yadav KK, **Agarwal J**.*Chlamydia Pneumoniae* infection associated with uncontrolled asthma: A hospital based cross sectional study. **Indian Journal of Pediatrics**.2012;79(10):1318-22; **Impact Factor:0.867.**
22. Mohd S, Vaish AK, Mohd ZI, Sonkar AA, **Agarwal J**, Singh M, Ahmad I, Gupta M. Prevalence of nosocomial infections in surgical wards of tertiary care hospital at Lucknow. **Indian Journal of Scientific Research** 2012; 3(2):79-84.
23. Mohd S, Vaish AK, Mohd ZI, Sonkar AA, **Agarwal J**, Singh M, Singh SK, Srivastava VK. Pattern of antibiotic usage among patients admitted in medical and surgical wards of a secondary care hospital in north India- an epidemiological evaluation. **Indian Journal of Community Health**. 2012; 24: 285-290.
24. Saleem M, Vaish AK, Idris MZ, Sonkar AA, **Agarwal J**, Singh M, Ahmad I. Prevalence of Nosocomial infection among patients admitted in medical and surgical wards of a secondary care hospital in north India-an epidemiological evaluation. **Journal of Recent Advances in Applied Sciences**, 2013: 28, 12-18.
25. **Agarwal J**, Mishra B, Srivastava S, Srivastava R, Genotypic characteristics and biofilm formation among *Escherichia coli* isolates from Indian women with acute cystitis. **Transactions of Royal Society of Tropical Medicine and Hygiene**.2013; 107(3): 183-187; **Impact Factor:1.839.**
26. Sinha N, **Agarwal J**, Srivastava S, Singh M. Phenotypic and genotypic analysis of carbapenem resistant *Acinetobacter* from a tertiary care setting in north India.

- Indian Journal of Medical Microbiology.**2013; 31(1): 60-63; **Impact Factor: 0.882, citations:6.**
27. Kalyan R, Singh M, Singh A K, **Agarwal J.** Prevalence of Syphilis at a Tertiary Care Setup of Northern India: A Hospital Based Study. **Indian Journal of Public Health Research & Development.** 2013; 4(1): 153- 157.
 28. KalyanR, Singh M, **Agarwal J.** Vancomycin Resistant Enterococci at a Tertiary Care Hospital in Northern India. **International Journal of Pharma and Bio Sciences.**2013; 4(2): 1090 – 1094.
 29. Jain B, **Agarwal J,** Singh M. Observations on community associated methicillin resistant *Staphylococcus aureus* carriage.**Clinical Epidemiology and Global Health**2013.2(1): 15–18.
 30. Srivastava R, **Agarwal J,** Srivastava S, Kumar M, Singh M. Multi drug resistant Gram negative bacillifrom neonatal septicaemia at a tertiary care centre in north India- a phenotypic and genotypic study. **Indian Journal of Medical Microbiology.**2014;32(1):97-8;**Impact Factor:0.882.**
 31. Verma M K, Pandey R K, Khanna R, **Agarwal J.** The antimicrobial effectiveness of 25% propolis extract in root canal irrigation of primary teeth. **Journal of Indian Society of Pedodontics and Preventive Dentistry.** 2014; 32(2): 120-124.
 32. Srivastava R. **Agarwal J.** Srivastava S. Mishra B. Role of special pathogenicity vs. prevalence theory in pathogenesis of acute cystitis caused by *E. coli*. **Journal of Medical Microbiology.**2014; 63(8):1038-43;**Impact Factor:2.248.**
 33. Mohan S,**Agarwal J,** Srivastava R, Singh M. Observations on *Citrobacter* species from a tertiary care health centre with special reference to multi drug resistance and presence of CTX-M gene. **Indian Journal of Pathology and Microbiology.**2014; 57(3): 439-441; **Impact Factor:0.466.**
 34. Baghel K, SrivastavaRN, ChandraA, RajS, GoelSK, Pant AB, **Agrawal J.** Tumor Necrosis Factor- β NcoI Polymorphism and Susceptibility to Sepsis following Major Elective Surgery. **Surgical Infections.** 2014; 15(3): 213-220; **Impact Factor:1.148.**
 35. Baghel K, Srivastava RN, Chandra A, Goel SK, Pant AB, **Agrawal J,** Kazmi HR, Raj S. TNF- α , IL-6, and IL-8 Cytokines and Their Association with TNF- α -308 G/A Polymorphism and Postoperative Sepsis. **Journal of Gastrointestinal Surgery.** 2014; 18(8): 1886-1894; **Impact Factor:2080.**
 36. **Agarwal J,** Mishra B, Srivastava S, Srivastava R, Pandey A. Virulence determinants in *E. coli* associated with recurrent cystitis in sexually active women.**Microbial Pathogenesis.**2014; 74:38-41; **Impact Factor: 1.79.**
 37. Singh M, **Agarwal J,** Tripathi CP, Chandrakanta. Spotted fever rickettsiosis in Uttar Pradesh: a case series. **Indian Journal of Medical Research.** 2015 Feb; 141(2): 242–244. **Impact Factor:1.396.**
 38. Krishna K Yadav, Shally Awasthi, Lalit Takia, **Jyotsna Agarwal,** G G Agarwal. Procalcitonin and C-Reactive Protein in WHO defined severe and very severe community acquired pneumonia: ahospital based cross sectional study. **Clinical Epidemiology and Global Health,** 2015.
 39. Kalyan R, Radera S, **Agarwal J,** Singh M. Superbugs causing infections at a tertiary care hospital and the return of pre-antibiotic era! **Asian Journal of Medical Sciences,** 2015, 7 (2):72-79

40. Gupta P, **Agarwal J**, Reddy H, W Anupam, S. Kirti, P. Mohd . Evaluation of a hand hygiene campaign in various intensive care units of a tertiary care hospital **Journal of Patient Safety & Infection Control**, 2015 August 3 (2): 73
41. Srivastava S. **Agarwal J**. Mishra B. Srivastava R. Virulence vs. fitness determinants in *E. coli* isolated from asymptomatic bacteriuria in healthy non pregnant women. Accepted for publication in **Indian Journal of Medical Microbiology**. 2016; 34 (1): 46-51; **Impact Factor:0.882**.
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