

## CURRICULUM VITAE

### Dr. Jyoti Rawre (PhD Microbiology)

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### Objective:

Seeking a challenging career position in your reputed organization that offers professional growth while being resourceful, innovative and flexible.

### Educational Qualification:

Education	Board / University	Passing Year	Passing Division
Ph.D (Microbiology)	AIIMS, New Delhi	2016	N.A.
M.Sc (Microbiology)	Jiwaji University, Gwalior (M.P.)	2007	First Division
B.Sc (Microbiology)	Rani Durgavati University, Jabalpur (M.P.)	2004	First Division
HSC (12 <sup>th</sup> )	CBSE Board	2001	First Division
SSC (10 <sup>th</sup> )	CBSE Board	1999	Second Division

### Summary:

Having 14 years of work experience in ***Molecular Diagnostics, Molecular Epidemiology, Sequencing & Typing, Antimicrobial Resistance, Randomization Controlled Trials, Clinical Research & Bacterial Infection.***

Active bench worker and willing to make the optimum use of my strength and capabilities to get the best result and to contribute the maximum share in the success journey of organization, looking for challenging career where I can effectively contribute my skills.

### Current Research Focus:

- ***Sexually Transmitted Infections*** with special reference to Genital ***Mycoplasmas*** and ***Chlamydia trachomatis***,
- ***Diagnostic Microbiology*** with special reference to ***Prosthetic Joint Infections*** and
- ***Molecular epidemiology*** and ***antimicrobial resistance of nosocomial pathogens***

## Methodological Expertise:

- Knowledge of molecular techniques like PCR, Real-time PCR.
- Cloning, Restriction digestion analysis (RFLP-PAGE and PFGE), DNA Sequencing and Sequencing analysis (using bioinformatics tool like GENEDOC, MEGA4 and CLUSTAL W)
- Diagnosis and identification of pathogens from patient's various samples using Conventional (Tissue culture, Bacterial culture, microscopy and antimicrobial sensitivity) & Molecular methods (PCR & MLST)
- ELISpot assay, ELISA for evaluation of immune response, Immunofluorescence
- Statistical Software's
- Basic knowledge of Computers

## Work Experience:

### 1) Current Organization: All India Institute of Medical Science, (AIIMS), New Delhi.

- **Designation: Research Associates.**
- **Job Duration:** From 01.04.2021 to till date.
- **Project Funding Institute: ICMR, New Delhi.** (Indian Council of Medical Research)
- **Project Title:** *"Prevalence and characterization of Chlamydia trachomatis, Neisseria gonorrhoeae and Genital Mycoplasmas at genital and extra-genital sites."*

### 2) Organization: All India Institute of Medical Science, (AIIMS), New Delhi.

- **Designation : Senior Research Fellow (SRF)**
- **Job Duration :** From 05.05.2020 to 31.03.2021
- **Project Funding Institute: ICMR, New Delhi.** (Indian Council of Medical Research)
- **Project Title :** *"Effectiveness of bundled intervention in surgical site infections among patients undergoing clean orthopedic surgeries with hardware implants: A randomized controlled trial"*

### 3) Organization : All India Institute of Medical Science, (AIIMS), New Delhi

- **Designation : Senior Research Fellow**
- **Job Duration :** From 15.03.2017 to 14.03 2020
- **Project Funding Institute: ICMR, New Delhi.** (Indian Council of Medical Research).

- **Project Title :** *“Early detection of Haemophilus ducreyi, Treponema pallidum, herpes simplex virus type 1 and 2 from patients with genital ulcer disease by Multiplex PCR in a tertiary care hospital”*

**4) Organization : All India Institute of Medical Science, (AIIMS), New Delhi**

- **Designation :** Senior Research Fellow (SRF)
- **Job Duration :** From 01.02.2011 to 31.01.2014
- **Project Funding Institute:** ICMR, New Delhi. (Indian Council of Medical Research)
- **Project Title :** *“Genotyping of Genital Chlamydia trachomatis by PCR-Restriction Fragment Length Polymorphism (RFLP)”*

**5) Organization : All India Institute of Medical Science, (AIIMS), New Delhi**

- **Designation :** Junior Research Fellow (JRF)
- **Job Duration :** From 09.02.2010 to 08.11.2010
- **Project Funding Institute:** ICMR, New Delhi. (Indian Council of Medical Research)
- **Project Title :** *“Development and clinical evaluation of a real time quantitative PCR assay for detection of Chlamydia trachomatis in Indian women with Infertility”*

**6) Organization: All India Institute of Medical Science, (AIIMS), New Delhi.**

- **Designation :** Research Assistant
- **Job Duration :** From 07.12.2007 to 31.07.2009
- **Project Funding Institute:** ICMR, New Delhi. (Indian Council Of Medical Research)
- **Project Title :** *“Detection of Ureaplasma urealyticum and Mycoplasma hominis in patients with lower genitourinary tract infection by PCR assays: Association of U. urealyticum biovars with clinical outcome”*

**7) Organization: All India Institute of Medical Science, (AIIMS), New Delhi.**

- **Designation :** Trainee. (Short term training).
- **Duration :** From 01.01.2007 to 30.06.2007.
- Department of Microbiology (Bacteriology Lab)
- **Thesis title:** *“Speciation of Pseudomonads isolated from different clinical isolates by conventional method and study of their antibiogram patterns”.*

## Awards:

1. Awarded individual **Research Associate Fellowship** in 2021 by Indian Council of Medical Research (Project Code: OMI-Fellowship/8/2020-ECD-I)
2. Awarded individual **Senior Research Fellowship** in 2011 by Indian Council of Medical Research (Project Code: 80/6532010-ECD-I)
3. **IJSTD Award**, for the Best letter to the editor, ASTICON 2016 letter entitled “Co-infection with *U. parvum* and Herpes Simplex Virus in an AIDS patient.”
4. **Snehalata Memorial Award** for best oral presentation in X Annual Conference cum Workshop of Indian Association of Mycoplasmologists.
5. **Second prize for Dr. P.S. Ranganathan memorial award** for the paper entitled “High prevalence of *Mycoplasma genitalium* in Men who have sex with men in a tertiary care hospital in New Delhi” at the 42<sup>nd</sup> Indian association for the study of STD and AIDS (ASTICON 2018) held at All India Institute of Medical Sciences, New Delhi on 11<sup>th</sup> -13<sup>th</sup> October.
6. **Dr. C N Sowmini Award** for poster entitled “A case of multiple sites of sexual contact infection due to *Mycoplasma genitalium* and *Chlamydia trachomatis* in a bisexual male” at the 42<sup>nd</sup> Indian association for the study of STD and AIDS (ASTICON 2018) held at All India Institute of Medical Sciences, New Delhi on 11<sup>th</sup> -13<sup>th</sup> October.

## Workshop Organized & Demonstrated:

- 1) Organizing Coordinator at the Hands-on workshop on Mycoplasma, wall-less prokaryotes: Identification and characterization held at Department of Microbiology, AIIMS on 25<sup>th</sup> October’2013.
- 2) Organizing Coordinator at the Pre-Conference Satellite Workshop on 21<sup>st</sup> March’2015 entitled “Investigating an Outbreak practically” at AIIMS, New Delhi at the 15<sup>th</sup> Congress of the International Federation of Infection Control.
- 3) Demonstrated Antimicrobial susceptibility testing in X Annual Conference cum Workshop of Indian Association of Mycoplasmologists in association with American Society of Microbiologists at AIIMS, New Delhi on 21<sup>st</sup> March 2017.
- 4) Resource person at the workshop on “Molecular detection and Cultivation of Mycoplasmas” at XI National symposium of Indian Association of Mycoplasmologists (IAM). 03-04’2019, NCMR of NCCS, Pune.

## Publications:

1. Swati Khullar, **Jyoti Rawre**, Deepika Yadav, Neena Khanna, Benu Dhawan. *Chlamydia trachomatis*, *Mycoplasma genitalium*, *Mycoplasma hominis*, and *Ureaplasma* spp. Coinfection in an HIV-Positive Homosexual Man.
2. Dhawan B, **Rawre J**, Brijwal M, Sreenivas V, Dar L, Khanna N. *Etiology of genital ulcer disease in patients attending the sexually transmitted disease clinic of a tertiary care hospital: Evaluation of multiplex PCR assay for diagnosis*. *Indian J Med Microbiol* 2021; 39(1):118-121.
3. Ahmed J, **Rawre J**, Dhawan N, Khanna N, Dhawan B. *Mycoplasma hominis*: an unrecognised pathogen. *Indian J Med Microbiol* Jan 2021;39(1):88-97.
4. Bhatia R, **Rawre J**, Khanna N, Dhawan B. Not eliminated (yet!): chancroid in an HIV-infected man. *Int J Dermatol*; 60(1): e21-e22
5. Khullar S, **Rawre J**, Khanna N, Sreenivas V, Dhawan B. Utility of Polymerase Chain Reaction assays for confirmation of liquid culture test results for *Ureaplasma* spp. *Indian J Med Microbiol* 2020; 38(2):235-236.
6. Juyal D, **Rawre J**, Dhawan B. Under diagnosis of the lymphogranuloma venereum serovars in the Indian population. *Indian J Med Microbiol* 2019; 37(4):595-597.
7. Dhawan B, **Rawre J**, Dhawan N, Bhatia R, Gupta V, Khanna N. High Prevalence of *Mycoplasma genitalium* in men who have sex with men: A cross-sectional study. *Indian J Dermatol Venereol Leprol*. 2020; 86(2):195-196.
8. Agrawal S, **Rawre J**, Khanna N, Dhawan B. Increase in *Chlamydia trachomatis* Genital and Extra Genital Infections in Indian Males. *Indian J Med Microbiol* 2019; 37: 285-286.
9. Kumari S, **Rawre J**, Trikha A, Sreenivas V, Sood S, Kapil A, \*Dhawan B. Linezolid-resistant *Staphylococcus haemolyticus*: Emergence of G2447U & C2534U mutations at the domain V of 23S ribosomal RNA gene in a tertiary care hospital in India. *Indian J Med Res* 2019; 149(6):795-798.
10. **Rawre J**, Dhawan B, Khanna N, Sreenivas V, Broor S, Chaudhry R. Distribution of *Chlamydia trachomatis* omp A genotypes in patients attending a sexually transmitted disease outpatient clinic in New Delhi, India. *Indian J Med Res* 2019; 149(5):662-670.
11. **Rawre J**, Rai M, Namdeo D, Das R, Khanna N, Dar L, Dhawan B. *Herpes simplex virus type 2 and cytomegalovirus perigenital ulcer in an HIV infected woman*. *Indian J Med Microbiol* 2018; 36(3):441-443.
12. Brijwal M, **Rawre J**, Dhawan B, Khanna N, Choudhary A, Dar L. Herpes Simplex Virus type 1 genital ulcer disease at a tertiary care hospital in north India. *Clin Infect Dis* 2019; 68(10):1783-1784.

13. Arif N, **Rawre J**, Patra S, Sreenivas V, Khanna N, Dhawan B. Increase in prevalence of *Ureaplasma spp.* in patients with genital tract infections in a tertiary care hospital of North India. *Indian J Dermatol Venereol Leprol* 2018; 84(4):457-458.
14. **Rawre J**, Agrawal S, Dhawan B. Sexually transmitted infections: Need for extragenital screening. *Indian J Med Microbiol* 2018; 36(1):1-7.
15. **Rawre J**, Juyal D, Dhawan B. Molecular typing of *Chlamydia trachomatis*: an overview. *Indian J Med Microbiol* 2017; 35: 17-26.
16. **Rawre J**, Dhawan B, Malhotra N, Sreenivas V, Broor S, Chaudhry R. Prevalence and Distribution of *Chlamydia trachomatis* Genovars in Indian Infertile Patients: A pilot study. *APMIS* 2016; 124: 1109-1115.
17. **Rawre J**, Dhawan B, Saigal K, Khanna N, *Chlamydia trachomatis* serovar G infection in a bisexual male with urethritis: First case report from India. *Ind J Dermatol Venereol Leprol.* 2016; 82(5): 523-526.
18. Brijwal M, Dhawan B, **Rawre J**, Sebastian S, Kapil A. Clonal dissemination of Linezolid resistant *Staphylococcus hemolyticus* harboring G2576T mutation with cfr gene in an Indian hospital. *J Med Microbiol*, 2016; 698-700.
19. Saigal K, Dhawan B, **Rawre J**, Khanna N, Chaudhry R Genital mycoplasma & *Chlamydia trachomatis* infections in patients with genital tract infections: An experience from tertiary care hospital North India. *Indian J Pathol Microbiol* 2016; 59(2): 194-196.
20. Saigal K, **Rawre J**, Khanna N, Dhawan B. Co-infection with *U. parvum* and Herpes Simplex Virus in an AIDS patient *Ind J of STD and AIDS.* 2015; 36 (1): 111-112.
21. Dhawan B, **Rawre J**, Ghosh A, Malhotra N, Ahmed MM, Vishnubhatla S, Chaudhry R. Diagnostic efficacy of a real-time PCR assay for *Chlamydia trachomatis* infection in infertile women in North India. *Indian J Med Res* 2014; 140: 252-261.
22. Ghosh A, **Rawre J**, Khanna N, Dhawan B. Co-infections with *Ureaplasma parvum*, *Mycoplasma hominis* and *Chlamydia trachomatis* in a human immunodeficiency virus positive woman with vaginal discharge. *Indian J Med Microbiol* 2013; 31(2):190-192.
23. Kokkayil P, **Rawre J**, Malhotra N, Dhawan B. Co-infection of *Mycoplasma genitalium* and *Chlamydia trachomatis* in an Infertile women with genital tuberculosis. *Ind J Pathol Microbiol.* 2013; 56 (4): 457-459.
24. Dhawan B, Malhotra N, Vishnubhatla S, **Rawre J**, Khanna N, Chaudhry R, Mittal S. *Ureaplasma* serovars and their antimicrobial susceptibility in patients of infertility and genital tract infections. *Indian J Med Res.* 2012, 136: 991-996.

## Manuscript Accepted:

- Dhawan B, **Rawre J**, Ahmed J, Khullar S, Khanna N. Prevalence of Genital *Chlamydia trachomatis* at a Tertiary Care Hospital in North India: A ten-year observational study (Manuscript ID: IJDVL\_651\_2021).

## Abstracts Published:

### a) International Conferences :

- 1) Dhawan B, Malhotra N, **Rawre J**, Chaudhry R, Mittal S. Prevalence of genital Mycoplasmas and *Chlamydia trachomatis* infection in Infertile women at a Tertiary Care hospital in India. 18<sup>th</sup> meeting of the International Organization for Mycoplasmaology (IOM), CHIANCiano Terme, Siena, Italy, July 11-16<sup>th</sup> 2010.
- 2) Dhawan B, Malhotra N, **Rawre J**, Chaudhry R, Mittal S Prevalence of *Chlamydia trachomatis* in Infertile women at an Indian tertiary hospital. 111<sup>th</sup> General Meeting, American Society for Microbiology, New Orleans, Louisiana. May 21-24<sup>th</sup> 2011.
- 3) Dhawan B, **Rawre J**, Ghosh A, Malhotra N, Ahmed MM, Vishnubhatla S, Chaudhry R. *Chlamydia trachomatis* infection in infertile women in North India: Diagnostic efficacy of an in-house Real-Time PCR Assay. ID Week 2013, San Francisco, October 2<sup>nd</sup> -6<sup>th</sup> 2013.
- 4) **Rawre J**, Dhawan B, Chaudhary R, Khanna N, Sreenivas V. *Chlamydia trachomatis* prevalence and serovar distribution in patients with urogenital infections. 6<sup>th</sup> International Meeting on Emerging Diseases and Surveillance (IMED 2016), Vienna, Austria. 4<sup>th</sup> -7<sup>th</sup> November, 2016.
- 5) **Jyoti Rawre**, Neha Dhawan, Riti Bhatia, Vishal Gupta, Neena Khanna, Benu Dhawan. Prevalence of *Mycoplasma genitalium* and other Sexually transmitted pathogens in patients attending a Sexually Transmitted Disease Clinic in New Delhi. International conference on Human, Animal and Plant Mycoplasmas. XI National symposium of Indian Association of Mycoplasmaologists (IAM). 03-04'2019, NCMR of NCCS, Pune

### b) National Conferences :

- 1) **Rawre J**, Das A, Sood S, Dhawan B, Das BK, Kapil A, Mohsin F. Speciation of *Pseudomonas* from Clinical samples by Conventional methods. Indian Association of Medical Microbiologists-Delhi Chapter, 24<sup>th</sup> November'2007. Indraprastha Apollo Hospital, New Delhi.
- 2) Mehta M, Das A, **Rawre J**, Sood S, Dhawan B, Das BK, Kapil A. Evaluation of Browning Effect on Glucose containing Blood Agar of Glucose oxidising clinical isolates of *Acinetobacter* spp. Indian Association of Medical Microbiologists-Delhi Chapter, 24<sup>th</sup>

November'2007.Indraprastha Apollo Hospital, New Delhi.

- 3) **Rawre J**, Dhawan B, Malhotra N, Chaudhry R, Mittal S. Prevalence of genital Mycoplasmas in patients with Infertility and Urogenital infections at a Tertiary Care hospital in New Delhi. IX National Conference-cum-CME & Workshop of Indian Association of Mtcoplasmologists, Government Medical College Hospital, Chandigarh, September 17<sup>th</sup>-18<sup>th</sup>, 2010.
- 4) Dhawan B, **Rawre J**, Ghosh A, Malhotra N, Ahmed MM, Vishnubhatla S, Chaudhry R. *Chlamydia trachomatis* infection in infertile women in North India: Comparison of Real-Time PCR Assay with Roche AMPLICOR. 37<sup>th</sup> National Conference of Indian Association for the study of Sexually Transmitted Diseases and AIDS (IASSTD and AIDS-2013), Mysore. September 27<sup>th</sup>-29<sup>th</sup>, 2013.
- 5) **Rawre J**, Dhawan B, Chaudhry R, Khanna N, Malhotra N. Prevalence and Genotyping of *Chlamydia trachomatis* in patients of Infertility and Genital tract infections. MICROCON-2013, 37<sup>th</sup> National Conference of Indian Association of Medical Microbiologists (IAMM), Novotel, HICC, Hyderabad, 21<sup>st</sup>-24<sup>th</sup> November 2013.
- 6) **J. Rawre**, B. Dhawan, R. Chaudhry, N. Khanna, N. Malhotra, V. Sreenivas. Characterization of *Chlamydia trachomatis ompA* Genotypes among patients with Infertility and Urogenital infections. ASTICON-2014, 38<sup>th</sup> National Conference of Indian Association for the study of Sexually Transmitted Diseases & AIDS (IASSTD & AIDS), PGIMER, Chandigarh, 31<sup>st</sup> October-2<sup>nd</sup> November'2014.
- 7) Saigal K, Dhawan B, **Rawre J**, Khanna N, Chaudhry R. Prevalence of Genital Mycoplasmas and *Chlamydia trachomatis* in outpatients with genital tract infections. ASTICON-2014, 38<sup>th</sup> National Conference of Indian Association for the study of Sexually Transmitted Diseases & AIDS (IASSTD & AIDS), PGIMER, Chandigarh, 31<sup>st</sup> October-2<sup>nd</sup> November'2014.
- 8) **Rawre J**, Dhawan B, Chaudhry R, Khanna N, Vishnubhatla S. Prevalence and genotyping of *Chlamydia trachomatis* in patients with Urogenital infections. MICRO-D-CON 2014, Indian Association of Medical Microbiologists-Delhi Chapter, 6<sup>th</sup> Annual Conference, 28<sup>th</sup>-29<sup>th</sup> November'2014. Stein Auditorium, India Habitat Centre, New Delhi.
- 9) **Rawre J**, Dhawan B, Khanna N, Sreenivas V, Chaudhry R. Prevalence And Distribution of *Chlamydia trachomatis* Serovars in patients attending an STD outpatient clinic in New Delhi. ASTICON-2015, 39<sup>th</sup> National Conference of Indian Association for the study of Sexually Transmitted Diseases & AIDS (IASSTD & AIDS). The Residency, Coimbatore, 11-13<sup>th</sup> Sep'2015.
- 10) **Rawre J**, Dhawan B, Malhotra N, Sreenivas V, Chaudhry R. Prevalence and Distribution of *Chlamydia trachomatis* Serovars in Infertile patients. APCON-2015, 64<sup>th</sup> Annual Conference of Indian Association of Pathologists & Microbiologists & Annual Conference of IAP-ID, Le Meridien, Kochi, Kerala, 3<sup>rd</sup> -6<sup>th</sup> Dec'2015.
- 11) Brijwal M, Dhawan B, Sebastian S, **Rawre J**, Kapil A. Emerging trend of linezolid resistance in *Staphylococcus hemolyticus* isolates from Delhi. 59<sup>th</sup> Annual conference of the Clinical



Infectious Diseases Society.CIDSCON-2015. The Leela Ambience, New Delhi, 21<sup>st</sup> -23<sup>rd</sup> August, 2015.

- 12) **Jyoti Rawre**, Benu Dhawan, Neena Khanna, Vishnubhata Sreenivas, Rama Chaudhry. Prevalence and distribution of *Chlamydia trachomatis* serovars in patients attending an STD outpatient clinic in New Delhi. 39<sup>th</sup> National conference of Indian association for the study of STD and AIDS. ASTICON-2015, The Residency, Coimbatore, 11<sup>th</sup> -13<sup>th</sup> September, 2015.
- 13) Brijwal M, Dhawan B, Sebastian S, **Rawre J**, Kapil A. Clonal Dissemination of Linezolid Resistant *Staphylococcus haemolyticus* harbouring G2576T Mutation with *cfr* gene in an Indian Hospital. *Indian Association of Medical Microbiologists (IAMM)*-Delhi chapter, Medanta Medicity, Gurgaon, 20<sup>th</sup> August, 2016.
- 14) **Rawre J**, \*Dhawan B, Sreenivas V, Khanna N , Chaudhry R. Prevalence and distribution of Ureaplasma spp. and *Chlamydia trachomatis* serovars in patients with Urogenital infections in a tertiary care hospital, New Delhi in X Annual conference and Workshop by Indian Association of Mycoplasmologists on 20<sup>th</sup> -21 st March 2017.
- 15) Dhawan B, **Rawre J**, Dhawan N, Bhatia , Gupta V, Khanna N. High prevalence of *Mycoplasma genitalium* in Men who have sex with men in a tertiary care hospital in New Delhi. Indian association for the study of STD and AIDS. ASTICON 2018 at All India Institute of Medical Sciences, New Delhi on 11<sup>th</sup> -13<sup>th</sup> October.
- 16) **Rawre J**, Brijwal M, Das R, Khanna N, Dar L, Dhawan B. Etiology of Genital ulcer disease in patients attending the sexually transmitted Disease clinic of a tertiary care hospital: Evaluation of Multiplex-PCR assay. Indian association for the study of STD and AIDS. ASTICON 2018 at All India Institute of Medical Sciences, New Delhi on 11<sup>th</sup> -13<sup>th</sup> October.
- 17) Arif N, **Rawre J**, Agrawal S, Khanna N, Juyal D, Dhawan B. A case of multiple sites of sexual contact infection due to *Mycoplasma genitalium* and *Chlamydia trachomatis* in a bisexual male. Indian association for the study of STD and AIDS. ASTICON 2018 at All India Institute of Medical Sciences, New Delhi on 11<sup>th</sup> -13<sup>th</sup> October.
- 18) **Jyoti Rawre**, Divya Namdeo, Rojaleen Das, Neena Khanna, Lalit Dar, Benu Dhawan. Herpes Simplex Virus Type 2 and Cytomegalovirus in an HIV infected woman with a perigenital ulcer. INTERVIROCON 2018 at PGI, Chandigarh on 12<sup>th</sup>-14<sup>th</sup> Nov'2018.
- 19) **Jyoti Rawre**, Neha Dhawan, Riti Bhatia, Vishal Gupta, Neena Khanna, Benu Dhawan. High Prevalence of *Mycoplasma genitalium* in men who have sex with men in a Tertiary Hospital in New Delhi. First Annual AIIMS Research Day. 25<sup>th</sup>- 26<sup>th</sup> March'2019, AIIMS, New Delhi.

## Personal Details:

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## References:

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