

## Dr. Deeksha Tripathi

Assistant Professor,  
Department of Microbiology,  
Central University of Rajasthan, India.  
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DOB: 21/01/1987



### EMPLOYMENT DETAILS

<i>Assistant Professor</i>	Department of Microbiology, Central University of Rajasthan, India. (December 2016- Present)
<i>SIRE Fellow</i>	UCL Department of Neuroscience Physiology & Pharmacology, University College London, Gower Street, London, WC1E 6BT (2022-23), SERB-SIRE grant
<i>Postdoctoral Scholar</i>	School of Biological Sciences, Indian Institute of Technology, Delhi. (2015-2016)
<i>Assistant Professor(Adhoc)</i>	Department of Microbiology, Gargi College, University of Delhi, New Delhi, India. (2014-2015)

### EDUCATION

<i>PH.D. (Biotechnology)</i>	School of Biotechnology, Jawaharlal Nehru University, New Delhi (2009-2014)
<i>M.SC. (Microbiology)</i>	University of Delhi, South Campus (2007-2009), 71.5% (Rank 3 <sup>rd</sup> in university)
<i>B.SC. (Microbiology)</i>	Institute of Home Economics, University of Delhi (2004-2007), 74.8% (Rank 5 <sup>th</sup> in university)
<b>Class XII</b>	New Green Field Public School, Saket, 80.8% , 2004
<b>ClassX</b>	New Green Field Public School, Saket, 80% , 2002

### ADMINISTRATIVE RESPONSIBILITIES

- Present: Assistant Chief Warden, Central University of Rajasthan (2023-2025)
- Present: Central Admission Committee, Central University of Rajasthan (2023-2026)
- Warden-Girls hostel B1, CURAJ (2017-19)
- Member of Cultural committee, CURAJ. (2021-2023)
- Member of Institutional Bioethical Committee, Central University of Rajasthan (2017-2020)
- Member of NSS/NCC and sports committees, Central University of Rajasthan (2017-2018)
- Member of School Board, School Life Sciences, Central University of Rajasthan (2019-2022)

**AREAS OF RESEARCH:** *Host-Pathogen interactions, Mycobacterium tuberculosis: dormancy and persistence, Drug Designing, Vaccine Development*

## AWARDS AND HONORS

- Young Faculty Award 2025- Oral Presentation, TIBS-2025, JNU, New Delhi
- AMI – YOUNG SCIENTIST AWARD 2015 (MEDICAL & VETENARY MICROBIOLOGY)
- National Postdoctoral Fellowship DST- SERB 2016
- DBT Research Associateship Award 2015
- ICMR International Travel Grant for ASM general meeting 2014 for poster presentation.
- ASM 2014 Student Travel Grant for poster presentation.
- Qualified CSIR-NET JRF (roll no. 308617)
- Young Scientist Award (Women category) for oral presentation in National Symposium on Microbes in Health and Agriculture. (Under UGC resource networking) (MHA-2012), School of Life Sciences, JNU, New Delhi, India, 12-13 March 2012.
- Awarded Best Title for the Abstract in ASM Virtual Workshop on Scientific Writing and Publishing (ASM 2012), KIIT University, Bhubaneswar, Odisha, India, November, 22 2012.
- Monsanto Scholarship during MSc Microbiology (2007-2009).

## RESEARCH GRANTS RECEIVED

1. **SERB International Research Experience (SIRE) (2022-2023) – 13.5 Lakhs:** “Alzheimer's Disease: Methods for investigating protective effects in mouse brain of *Mycobacterium indicus pranii*, A saprophytic mycobacterium with immunomodulatory and Antitubercular properties” (File No: SIR/2022/000220). **PI (Completed)**
2. **DST SERB Intensification of Research in High Priority Area (IRHPA) Grant (2022-27)- 9.6 Crore:** Creation of a BSL-3 facility at CURAJ under Rajasthan Biocluster for infectious diseases, therapeutics and diagnostics (File no-IPA/2021/000196). **Co-PI (ongoing)**
3. **DBT Biocare grant- (2019-2022)- 55 Lakhs:** “Identifying the role of *Mycobacterium indicus pranii* (MIP) in activating host innate immune response for development of new intervention strategy to combat tuberculosis (File no-BT/PR30553/BIC/101/1123/2018). **PI (Completed)**
4. **UGC Startup grant- (2017-2019)- 10 Lakhs:** “Functional Characterization of FKBP type peptidyl-prolyl *cis/ trans* isomerase of *M. tuberculosis* for its role in stress response of the pathogen” (File No-F.30-356/2017(BSR). **PI (Completed)**

## RESEARCH SUPERVISION

Ph. D.- 2 (Awarded), 3 (Pursuing)

M. Sc. Dissertation: 27 students (Awarded)

Project JRF: 2

## PATENTS

Title: “A Medicament For The Treatment Of Diseases By Biofilm Forming Microorganisms”,

**Pub No:** US20200188477, **Publication date:** 25.10.2018, **International Filing Date:** 20.04.2018.  
**International Patent, Patentee:** Indian Institute of technology, Delhi.

**PUBLICATIONS:** [Deeksha Tripathi - Google Scholar](#), H-Index-12, i-10 Index-13

1. Bahl A, Rajagopalan M, Rakshit R, Kant S, Pandey S, **Tripathi D.** (2025) Toxin–Antitoxin Modules: Genetic Elements with Many Faces and Functions. **Bacteria.** 2025; 4(4):61. <https://doi.org/10.3390/bacteria4040061>
2. Rakshit R, Bahl A, Gautam G, Pandey S, **Tripathi D.** (2025) Structure-based identification of small molecule inhibitors targeting trigger factor and peptidyl prolyl cis/trans isomerase B (PpiB) of *Bacillus anthracis* Sterne: Towards new therapeutic interventions against anthrax. **Journal of molecular graphics & modelling**, vol. 142 109185. 3 Oct. 2025, [10.1016/j.jmgm.2025.109185](https://doi.org/10.1016/j.jmgm.2025.109185). IF- 3.
3. Bahl, K. Negi, A. Anupam, S. Choudhary, S. Kant, S. Pandey, **D. Tripathi.** (2025) Resilience to stress and antibiotics, coupled with immunomodulatory behavior, uncovers *Mycobacterium indicus pranii* as a suitable surrogate model for tuberculosis research. **Biochemical and Biophysical Research Communications**, Volume 777, 2025,152296, ISSN 0006-291X, <https://doi.org/10.1016/j.bbrc.2025.152296>. IF-2.2
4. Raunak, R., Rakshit, R., Bahl, A., Sinha, S., Pandey, S., Kant, S., & **Tripathi, D.** (2025). Functional Characterization of MIP\_07528 of *Mycobacterium indicus pranii* for Tyrosine Phosphatase Activity Displays Sensitivity to Oxidative Inactivation and Plays a Role in Immunomodulation. **Biology**, 14(5), 565. [10.3390/biology14050565](https://doi.org/10.3390/biology14050565) ,(ISSN:0739-1102), IF-3.5.
5. Rakshit, R., Bahl, A., Arunima, A., Pandey, S., & **Tripathi, D.** (2025). Beyond protein folding: The pleiotropic functions of PPIases in cellular processes and microbial virulence. **Biochimica et Biophysica Acta (BBA) - General Subjects**, 1869(2), 130754. (ISSN: 0304-4165), IF-2.2.
6. Bahl A, Pandey S, Rakshit R, Kant S, **Tripathi D.** (2024). Infection-induced trained immunity: a twist in paradigm of innate host defense and generation of immunological memory. **Infection and Immunity** 0:e00472-24. (ISSN: 1098-5522), IF-2.8.
7. **Tripathi Deeksha** , Garg Rajni ,(2024), Editorial: Host-pathogen crosstalk: implications in host cellular processes by intracellular pathogens, **Frontiers in Microbiology**, VOLUME=15, DOI=10.3389/fmicb.2024.1508345. ISSN=1664-302X, IF-4.5.
8. A Bahl, R Rakshit, S Pandey, **D Tripathi,** (2024) Genome wide screening to discover novel toxin–antitoxin modules in *Mycobacterium indicus pranii*; perspective on gene acquisition during mycobacterial evolution, **Biotechnology and Applied Biochemistry**, [10.1002/bab.2651](https://doi.org/10.1002/bab.2651), IF -3.5
9. Khawary M, Pandey S, Sharma O, Raunak, Sharma M, Malik R, **Tripathi D,** (2023), Identification of novel inhibitors for Trigger Factor (TF) of *M. tb*: An in silico investigation, **Journal of Biomolecular Structure and Dynamics**, 1-8, DOI: [10.1080/07391102.2023.2218937](https://doi.org/10.1080/07391102.2023.2218937), IF = 5.235, (ISSN:0739-1102) IF-2.7
10. Khawary M, Rakshit R, Bahl A, Juneja P, Kant S, Pandey S, **Tripathi D,** (2023) *M.tb*-Rv2462c of *Mycobacterium tuberculosis* Shows Chaperone-Like Activity and Plays a Role in

- Stress Adaptation and Immunomodulation, **Biology**; 12: 69. [10.3390/biology12010069](https://doi.org/10.3390/biology12010069); (ISSN: 2079-7737), IF-3.5.
11. Pandey S, Kant S, Khawary M, **Tripathi D (2022)**; Macrophages in Microbial Pathogenesis: Commonalities of Defense Evasion Mechanisms, **Infection and Immunity**, DOI:10.1128/IAI.00291-21 (ISSN 0019-9567) IF-2.8
  12. **Tripathi D**, Kant S, Pandey S, Ehtesham NZ (2020), Resistin in Metabolism, Inflammation and Diseases, **The FEBS Journal**, DOI: 10.1111/febs.15322, (ISSN: 1742-464X) IF- 4.2
  13. Pandey S, Yadav B, Pandey A, Tripathi T, Khawary M, Kant S, **Tripathi D (2020)**; Lessons from SARS-CoV-2 Pandemic: Evolution, Disease Dynamics and Future, **Biology**; 9:141; DOI:10.3390/biology9060141, (ISSN: 2079-7737) , IF=3.79
  14. Kumar A<sup>#</sup>, Alam A<sup>#</sup>, **Tripathi D**, Rani M, Khatoon H, Pandey S, Ehtesham NZ, Hasnain SE (2018); Protein adaptations in extremophiles: An insight into extremophilic connection of mycobacterial proteome, **Seminars in Cell and Developmental Biology**, 84:147–157 DOI: 10.1016/j.semcdb.2018.01.003, (UGC Journal No 35747) (ISSN 1084-9521) # **Authors contributed equally**, IF=6.6
  15. Hasnain SE, Ehtesham N Z, **Tripathi D**, Grover S, Kumar A, Alam A, Pandey S (2020) A medicament for the treatment of diseases by biofilm forming microorganisms, **PATENT Publication** (USA, Application Number 16607061)
  16. Kumar A<sup>#</sup>, Alam A<sup>#</sup>, Grover S<sup>#</sup>, Pandey S<sup>#</sup>, **Tripathi D**, Kumari M, Rani M, Singh A, Akhter Y, Ehtesham NZ, Hasnain SE (2019), Peptidyl-prolyl isomerase-B is involved in Mycobacterium tuberculosis biofilm formation and a generic target for drug repurposing-based intervention. **npj Biofilms and Microbiomes**, 84:147–157, #**equal first author**; DOI:10.1038/s41522-018-0075-0; (ISSN No 2055-5008), IF = 6.33
  17. Pandey S<sup>#</sup>, **Tripathi D**<sup>#</sup>, Khubaib M<sup>#</sup>, Kumar A, Shaikh J, Ehtesham NZ, Hasnain SE, (2017) Mycobacterium tuberculosis peptidyl-prolyl isomerases show immunogenicity, alter cytokine profile and aid in intraphagosomal survival, **Frontiers in Infection and Cellular Microbiology** 7:38, DOI: 10.3389/fcimb.2017.00038, (UGC J number. 17720) (ISSN 2235-2988) # **Authors contributed equally**, IF = 4.3
  18. Pandey S, Sharma A, **Tripathi D**, Kumar A, Khubaib M, Bhuwan M, Chaudhuri TK, Hasnain SE, Ehtesham NZ; (2016). Mycobacterial peptidyl-prolyl isomerases show chaperone like activity; in vitro and in vivo; **Plos One** 11(3):e0150288, DOI: 10.1371/journal.pone.0150288, (UGC Journal no 37933) (ISSN 1932-6203), IF = 2.8
  19. **Tripathi D**, Kant S, Garg R, Bhatnagar R (2015) Low expression level of *glnA1* accounts for absence of cell wall associated poly-L-glutamate/glutamine in *Mycobacterium smegmatis*. **Biochem Biophys Res Communications**, 458:240-245. DOI:10.1016/ j. bbrc.2015.01.079. (ISSN: 0006-291X), IF=2.5
  20. Garg R, **Tripathi D**, Kant S, Chandra H, Bhatnagar R, Banerjee N (2014). A conserved hypothetical protein Rv0574c is required for cell wall integrity and virulence of *Mycobacterium tuberculosis*. **Infection and Immunity**, 83:120-129. DOI:10.1128/ IAI.02274-14. (ISSN 0019-9567), IF=2.7

21. **Tripathi D**, Chandra H, Bhatnagar R (2013) Poly-L-glutamate/glutamine synthesis in the cell wall of *Mycobacterium bovis* is regulated in response to nitrogen availability. **BMC Microbiology**, 13:226. DOI:10.1186/1471-2180-13-226, (ISSN: 1471-2180), IF=3.1
22. Rahi A, Rehan M, Garg R, **Tripathi D**, Lynn AM, Bhatnagar R (2011) Enzymatic characterization of catalase from *Bacillus anthracis* and prediction of critical residues using information theoretic measure of relative entropy. **Biochem Biophys Res Commun** 411:88–95. DOI:10.1016/j.bbrc.2011.06.099. (ISSN: 0006-291X), IF=2.2

## BOOK CHAPTERS (EDITED BOOKS)

1. Sengupta S, Sengupta A, Hussain A, Sarma J, Banerjee A, Pandey S, **Tripathi D**, Peddireddy V and Kumar A (2023); **Modulation of host pathways by Mycobacterium tuberculosis for survival**, in **Book Bacterial Survival in the Hostile Environment**, Editors: Ashutosh Kumar, Shivendra Tenguria, **Academic Press**, ISBN: 9780323918060; 10.1016/B978-0-323-91806-0.00003-5
2. Rakshit R, Bahl A, Kumar A, **Tripathi D**, Pandey S (2023); **Biofilm: A Coordinated Response of Bacteria Against Stresses**, in Book Bacterial Survival in the Hostile Environment, Editors: Ashutosh Kumar, Shivendra Tenguria, **Academic Press**, ISBN: 9780323918060, DOI: 10.1016/B978-0-323-91806-0.00006-0
3. Banerjee A, Sengupta S, Nandanwar N, Pandey M, **Tripathi D**, Pandey S, Kumar A, Peddireddy V (2023); **Mycobacterium Tuberculosis Adaptation to Host Environment**, in Book Bacterial Survival in the Hostile Environment, Editors: Ashutosh Kumar, Shivendra Tenguria, **Academic Press**, ISBN: 9780323918060 , DOI: 10.1016/B978-0-323-91806-0.00005-9
4. Pandey S, Raunak, Tripathi T, Khawary M, **Tripathi D**, Kant S (2022); Chapter 10 - **Molecular Mechanisms of Stress Adaptation by Bacterial Communities**, Editors: Raghvendra Pratap Singh, Geetanjali Manchanda, Kausik Bhattacharjee, Hovik Panosyan; Microbial Syntrophy-Mediated Eco-Enterprising (1st edition), **Academic Press**, ISBN: 0323913962
5. Rani M, Paul B, Bhattacharjee A, Das K, Singh P, Basu S, Pandey S, **Tripathi D**, Kumar A (2022); Chapter 13 - **Detection and Removal of Pathogenic Bacteria from Wastewater Using Various Nanoparticles**, Editors: Maulin Shah, Susana Rodriguez-Couto, Jayanta Biswas; Development in Wastewater Treatment Research and Processes, **Elsevier**, Pages 311-322, ISBN 9780323855839, DOI:10.1016/B978-0-323-85583-9.00025-9.
6. Rani M, Bhattacharjee A, Singh P, Basu S, Das K, Goswami K, Pandey S, **Tripathi D**, Kumar A (2022); Chapter 22 - **Antimicrobial Activities of Different Nanoparticles Concerning to Wastewater Treatment**, Editors: Maulin Shah, Susana Rodriguez-Couto, Jayanta Biswas, Development in Wastewater Treatment Research and Processes, **Elsevier**, Pages 501-514, ISBN 9780323855839, 10.1016/B978-0-323-85583-9.00029-6.
7. Minocha S, Khadgawat P, Bhattacharjee A, Kumar A, Tripathi T, Pandey S, **Tripathi D** (2021); **Role of Microbial Nanotechnology in Diagnostics**. In: Ansari M.A., Rehman S. (eds) Microbial Nanotechnology: Green Synthesis and Applications. **Springer**, Singapore, ISBN: 978-981-16-1922-9, DOI:10.1007/978-981-16-1923-6\_12
8. Bharadwaj P, **Tripathi D**, Pandey S, Tapadar S, Das D, Palwan E, Rani M and Kumar A (2021); **Molecular Biology techniques for the detection of contaminants in wastewater**; Book: Wastewater Treatment: Cutting Edge Molecular Tools, Techniques and Applied Aspects, (edited by Maulin P. Shah, Angana Sarkar, Sukhendu Mandal) **Elsevier**, ISBN: 9780128218815, DOI: 10.1016/B978-0-12-821881-5.00010-6

9. Pandey S., Shukla N., Singh S.S., **Tripathi D.**, Tripathi T., Kant S. (2020) **Bacterial Metabolic Fitness During Pathogenesis**. In: Singh R., Manchanda G., Maurya I., Wei Y. (eds) **Microbial Versatility in Varied Environments**. Springer, Singapore (DOI: 10.1007/978-981-15-3028-9\_12) (ISBN: 978-981-15-3028-9)
10. Garg R, Mani R, Gupta M, **Tripathi D**, Chandra H, Bhatnagar R, Banerjee N (2020); **Chapter 11: Importance of cell wall associated Poly-a-L-glutamine in the biology of pathogenic mycobacteria**, (DOI: 10.1007/978-981-32-9413-11), Book: Mycobacterium tuberculosis: Molecular Infection Biology, Pathogenesis, Diagnostics and New Interventions, Springer (ISBN: 978-981-32-9412-7)
11. Tapadar S, Goswami K, **Tripathi D**, Pandey S, Palwan E, Rani M, Kumar A (2020); **Role of Extremophiles and Extremophilic Proteins in Industrial Waste Treatment**; Book: Removal of Emerging Contaminants Through Microbial Processes (ISBN 9789811559006) (Editors: Moulin P Shah), Springer
12. **Tripathi D.**, Pandey S., Kant S. (2020) Biosensors: Current Trends, Lalpawimawha, Lalmuanpuia Vanchhawng, B. Lalruatfela (eds), Book: Proceedings of National Workshop on Sensor Networks, Internet of Things and Internet of Everything, **Notionpress**, Chennai, India (ISBN 978-1-64760-657-2)

## INVITED LECTURES

1. Invited Lecture on “**Novel Pyrazolo[4,3-c]pyridine and 1,4-diazepane Derivatives as Inhibitors of Protein Tyrosine Phosphatase B: A Promising Therapeutic Strategy Against Mycobacterium tuberculosis**” on October 29, 2025 in ASM-IISc Symposium on the One Health Approach to AMR at IISc Bengaluru.
2. Invited Lecture on “**Exploring novel drug targets; Advances in Anti-tubercular drug development through structure guided approach**” on October 8, 2025 at DBT-supported Conference on "Emerging Strategies and Innovations for Combating Diseases in Animals and Plants (ESCAP)" at Amity University Rajasthan.
3. Invited Lecture in MICROArMor 2.0 during Antimicrobial resistance (AMR)- Awareness week “**Tackling drug resistant in tuberculosis: new insights into an old bug**”, on 18<sup>th</sup> and 19<sup>th</sup> November at Central University of Tamil Nadu.
4. Invited Lecture on “**Bioinformatics: Scope and applications**” on 30 September 2024, Diamond Jubilee series organized by CMP College, University of Allahabad
5. Invited Lecture on “**Transcriptomics; Analysis of Gene expression**” on 1 October 2024, Diamond Jubilee series organized by CMP College, University of Allahabad
6. Invited Lecture on “**Mycobacterium tuberculosis, New insights into an old bug.**” on 18 July 2023, PDP organized by Amity University, Manesar
7. Invited Lecture on “**Fungal disease the emerging threat to human health**” on 29.05.21 at Govt. Nehru PG Collage, Rajnandgaon (C.G.)
8. Invited Lecture on Transcriptomics: Analysis of gene at the Transcriptional Level, at **Modern Biology with focus on infectious disease**, at JH Institute of Molecular Medicine, Jamia Hamdard, New Delhi, India at Nov, Dec,14, 2019.

9. Invited Lecture on “**Biosensor: Current Trends**” in the National workshop on Sensor Networks, Internet of Things and internet of Everything, on September 12, 2019 at Pachhunga University Collage, Mizoram, India.
10. Invited Talk on “**Mycobacterium tuberculosis: New Insight into an old bug**” on Aug 24, 2018 organized by Department of Botany, CMP Collage, University of Allahabad.
11. Invited Lecture on “**Application of Microbiology in Agriculture and Industries**” on August 23, 2018 at Department of Botany, CMP College, Allahabad.
12. Participated in, **Annual Herpesviruses: Pathogenesis and Cancer Symposium** organized by Tumor virology program, School of Medicine, University of Pennsylvania, Philadelphia, PA, USA on, June 23, **2017**.
13. Participated in **The Noreen O'Neill Melanoma Research Symposium** at The Wistar Institute, the cancer institute distinguished by National Cancer Institute, Philadelphia, PA, USA on June 5, **2017**.
14. **Tripathi D**, Garg R, Kant S, Bhatnagar R. Comparative study of *glnA1* promoter of *M. bovis* and *M. smegmatis*; its implications on poly- $\alpha$ -L-glutamine (PLG) synthesis in the cell wall of mycobacteria. 114th **General Meeting, American Society for Microbiology (ASM 2014)**, Boston, Massachusetts, USA, 17-20 May 2014.
15. **Tripathi D**, Chandra H, Garg R, Kant S, Bhatnagar R. Comparative study of *glnA1* promoter of *Mycobacterium bovis* and *Mycobacterium smegmatis*; its implications in poly- $\alpha$ -L-glutamine (PLG) synthesis in the cell wall of mycobacteria. **National Symposium on Microbes in Health and Agriculture**. (Under UGC resource networking) (MHA-2012), School of Life Sciences, JNU, New Delhi, India, 12-13 March 2012 (Oral Presentation)- **1st prize for Young Scientist Award**.

#### FACULTY DEVELOPMENT PROGRAMS ATTENDED

1. Participated in ‘**EMBO Lab Leadership Course**’ conducted by IIT Jodhpur and EMBO on 18-20 November 2025
2. Participated in ‘**Nurturing Future Leadership Program**’ conducted by IIT Kanpur on 18-22 March 2024
3. Participated in ‘**Outcome based Curriculum Development**’ conducted by NITTTR Bhopal on 16-20 December 2024 at Central University of Rajasthan.
4. Participated in one-week online FDP on “**How to create your Own MOOCs**” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi on 15-21 June 2023
5. Participated in “One week faculty development program on **Implementation of national educational policy 2020, Role of Faculty members of HEIs**” conducted during 4-8 Nov, 2020 organized by Teaching learning center, Central University of Rajasthan.
6. UGC sponsored **Refresher course** in the subject of Botany and Life Sciences at University of Lucknow from Dec 17-31, 2019.

7. Participated in “Four-week induction training program for teachers of higher education institutions (HEIs)” from 1-26 May, 2018 organized by Teaching Learning Centre, Central University of Rajasthan.

#### **MEMBERSHIP OF PROFESSIONAL BODIES/SOCIETIES**

American Society of Microbiology	<b>41945611</b>
Association of Microbiologists of India	Life Member (4113-2015)
Indian Science Congress Association	Life Member (L26708)
The Biotechnology Research Society	Life Member (LM 1896)
Society of Biological Chemists	Life Member (3772)

#### **PROFESSIONAL ACTIVITIES**

**Editor: Infection and Immunity (Editorial board Member 2023-2025)**

##### **Scientific Reports**

Reviewer Of Scientific Journals

- Plos One
- Infection, Genetics and Evolution
- Microbiology Spectrum (ASM)
- Frontiers in Immunology
- Frontiers in Microbiology
- Biometals

**Edited:**

**Frontiers in Microbiology (Special Issue) 2024:** Host-pathogen crosstalk: implications in host cellular processes by intracellular pathogens

**Biology (Special Issue) 2024:** Host–Pathogen Interactions and Pathogenesis

#### **REFEREES**

- **Prof. Seyed E. Hasnain,**  
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