


Name	Dr. Rajpal Srivastav	
Designation	Assistant Professor	
E-mail ID	rsrivastav2@amity.edu	
Contact Number	+91-9818712488	
Research Area	<p>Replication Biology, Mycobacterium pathogenesis, Host-pathogen interactions, Microbial genomics, proteomics, and associations of metabolic disorders. An important aspect we are investigating is cellular homeostasis mechanisms and decoding replication factors in stress tolerance associated with resistance to anti-microbials. In general, the depletion of the protein stalls the replication process. These proteins associate with pro-proteins to form active complex, required for unwinding during replication process. However, the precise roles of these proteins are still not clear.</p>	

Educational Qualifications:

Name of College / University	Degree	Year
University of Delhi	B.Sc	2005
IIT Roorkee, Roorkee	M.Sc	2007
CSIR-IGIB, New Delhi	Ph.D	2013

Experience (in chronological order)

Designation	Type of post held	Name of the Institute	Year
Assistant Professor-III	Research and Teaching	Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida	2022 -
DST INSPIRE Faculty	Research and Teaching	Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida	2017-22
Research Associate	Research	Bioinnovat, Gurugram, Haryana	2016-17
Post-doctoral fellow	Research	DBT-Translational Health Science and Technology Institute, Haryana	2013-16

No. of the PhD students supervised	02
No. of the M. Tech students supervised	11
No. of the B. Tech students supervised	14
Publications (15)	<ol style="list-style-type: none"> 1. Radhakrishnan R, Kapil T, Kapardar R, Srivastav R (2023). Microbiome additive therapy for the human health. <i>Microbiome Therapeutics, Academic Press</i>, Pages 41-61. https://doi.org/10.1016/B978-0-323-99336-4.00011-2 2. Radhakrishnan A, Balaganesh P, Vasudevan M, Natarajan N, Chauhan A, Arora J, Ranjan A, Rajput VD, Sushkova S, Minkina T, Basniwal RK, Kapardar R, Srivastav R (2023). Bioremediation of Hydrocarbon Pollutants: Recent Promising Sustainable Approaches, Scope, and Challenges. <i>Sustainability</i>, 15(7), 5847. (IF 4.0) 3. Tandon C, Srivastav R (2022). Advances in Proteomics Approaches and Chronic Kidney Disease. In: Sobti, R., Sobti, A. (eds) <i>Biomedical Translational Research</i>. Springer, Singapore. https://doi.org/10.1007/978-981-16-4345-3_14 4. Radhakrishnan A, Kakkar P, Tandon C, Srivastav R (2022). Fecal Microbiome Transplantation: An offhand recipe for microbiome therapeutics, <i>Comprehensive Gut Microbiota</i>, vol. 3. Elsevier, pp 246–256 5. Kumar D, Baligar P, Srivastav R, Narad P, Raj S, Tandon C, Tandon S (2021). Stem cell based preclinical drug development and toxicity prediction. <i>Curr Pharm Des.</i> 27(19):2237-2251 6. Suneja G, Srivastav R (2021). Impact of Microbial Genome Sequencing Advancements in Understanding Extremophiles. <i>Extreme Environments, Unique Ecosystems - Amazing Microbes</i>, Ed-1; 13, CRC Press; Taylor & Francis. 7. Radhakrishnan A, Srivastav C, Sharma C, Tandon C, Srivastav R (2021) Determinants influencing the relapse of SARS-CoV-2 infections in COVID-19 pandemic. <i>J pathol. comm. disease & prev. medicine</i> 3(1) 9-19.

8. Nandi V, Nandy N, **Srivastav R (2021)**. Gamma-aminobutyric acid modulates the neurotransmission for healthy brain functioning and survival. *J Pharma Sci Med Technol.* 3: 1.
9. **Srivastav R***, Sharma R, Tandon S, Tandon C (2019). Role of DHH superfamily proteins in nucleic acids metabolism and stress tolerance in prokaryotes and eukaryotes. *Int J Biol Macromol*; 127:66-75. (*Corresponding author) (I.F 6.95)
10. Suneja G, **Srivastav R, (2019)**. Recent advances in microbial genome sequencing. (eds) *Microbial Genomics in Sustainable Agroecosystems*. Pp131-134, Springer
11. Grover R, Burse S, Shankrit S, Aggarwal A, Kirty K, Narta K, **Srivastav R**, Ray AK, Malik G, Vats A, Motiani RK, Thukral L, Roy SS, Bhattacharya S, Sharma R, Natarajan K, Mukerji M, Pandey R, Gokhale RS, Natarajan VT (2019). Myg1 exonuclease couples the nuclear and mitochondrial translational programs through RNA processing. *Nucleic Acids Res.* 47, 11:5852–5866. (I.F 14.9)
12. Madhavi A, Hingane S, **Srivastav R**, Joshi N, Subramani C, Muthumohan R, khasa R, Varshney S, Kalia M, Vrati S, Surjit M, Ranjith-Kumar CT (2017). A Screen for novel hepatitis C virus RdRp inhibitor identifies a broad-spectrum anti-viral compound. *Scientific Reports.* 7(1):5816. (I.F 5.2)
13. **Srivastav R**, Kumar D, Grover A, Singh A, Manjasetty B, Sharma R, Taneja B (2014). Unique subunit packing in mycobacterial nanoRNase leads to alternate substrate recognitions in DHH phosphodiesterases. *Nucleic Acids Res*, 42, (12) 7894-7910. (I.F 14.9)
14. **Srivastav R**. Novel activity of NrnA homolog signifies engineering at cellular level (2014). *RRJoBI*;1(1)46-48

	<p>15. Srivastav R, Singh A, Jangir PK, Kumari C, Muduli S, Sharma R (2013). Genome sequence of <i>Staphylococcus massiliensis</i> strain S46 isolated from surface of healthy human skin. <i>Genome Announc</i> 1(4):e00553-13</p>
<p>Awards & Honors</p>	<ul style="list-style-type: none"> • DST INSPIRE Faculty Award (2017) • DS Kothari Post-doctoral Fellowship (2017) • CSIR- Senior Research Fellowship (2009) • CSIR- Junior Research Fellowship (2007) • CSIR/UGC-NET/Lectureship (2007) • DBT Fellowship, IIT Roorkee (2005)
<p>Memberships of professional bodies</p>	<ul style="list-style-type: none"> • Proteomics Society, India • Indian Association for Cancer Research • Association of Microbiologists of India