Sri Venkateswara College

(University of Delhi)
Benito Juarez Road, New Delhi - 110021
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Print Date : 13-09-2026

1. Personal Profile

Title: **Dr.** First Name: **RICHA** Last Name: **MISRA**

Designation: **ASSISTANT PROFESSOR** Mobile No. **----------**

Phone No. (Office) **----------** Phone No. (Residence): **----------**

Email: **richamisra@svc.ac.in** Webpage: **----------**

Facebook: **----------** Twitter: **----------**

LinkedIn: **https://in.linkedin.com/in/misraricha** Instagram: **----------**

Youtube: **----------** Research Gate Link: **https://www.researchgate.net/profile/Richa-Misra-3**

Google Scholar Link: **https://scholar.google.co.in/citations?user=4En70UQAAAAJ&hl=en**

Address: **DEPARTMENT OF ZOOLOGY, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI, BENITO JUAREZ ROAD, NEW DELHI - 110021.**

2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph.D. in Biotechnology	CSIR-IGIB & University of Pune	2014
M.Sc.	Department of Zoology, University of Delhi	2007
B.Sc. (H) Zoology	Hans Raj College, University of Delhi	2005

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	IQAC Sri Venkateswara College	01.Jul.2024 - 30.Jun.2026	
CAREER PROFILE	MEMBER	IQAC Sri Venkateswara College	01.Jul.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FREESHIP AND STUDENT AID FUND COMMITTEE Sri Venkateswara College	01.Oct.2023 - 30.Jun.2025	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	ELECTION MONITORING COMMITTEE: SVCU/DUSU Sri Venkateswara College	04.Sep.2024 - 27.Sep.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ELECTION MONITORING COMMITTEE: ICC Sri Venkateswara College	17.Jan.2025 - 12.Feb.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NIRF Sri Venkateswara College	01.Jul.2024 - 30.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	CO-CONVENER	ZOOLOGY - EVOLVERE Sri Venkateswara College	01.Aug.2024 - 31.Jul.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ELECTION MONITORING COMMITTEE: SVCU/DUSU Sri Venkateswara College	28.Aug.2025 - 18.Sep.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	INFORMATION AND COMMUNICATION TECHNOLOGY COMMITTEE Sri Venkateswara College	30.Oct.2023 - 30.Jun.2025	

4. Other Profiles

Other Profile Name/ Description

5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status

6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction

7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link
JOURNAL PAPER (International)	Evaluating the efficacy of stool sample on Xpert MTB/RIF Ultra and its comparison with other sample types by meta-analysis for TB diagnostics	European Journal of Clinical Microbiology & Infectious Diseases	Sharma V, Singh A, Gaur M, Rawat D, Yadav A, Rajan, Kumar C, Varma-Basil M, Lohiya S, Khanna V, Khanna A, Chaudhry A, Singh Y*, & Misra R (Corresponding Author)	https://doi.org/10.1007/s10096-022-04449-w

JOURNAL PAPER (International)	Bacterial Protein Toxins as Anticancer Agents: Clinical Potential of Pseudomonas and Anthrax Toxins	Toxins	Misra, R., Gupta, R., Nayyar, N., Baweja, R., Sharma, V., Singh, Y., & Baweja, R. (First Author)	https://doi.org/10.3390/toxins17090459
JOURNAL PAPER (International)	Emerging frontiers of antibiotics use and their impacts on the human gut microbiome	Microbiological Research	Kumari R, Yadav Y, Misra R, Das U, Adhikari UD, Malakar P, Dubey GP (Joint Author)	https://doi.org/10.1016/j.micres.2022.127127
JOURNAL PAPER (International)	NMR based human gut metabolomic profiling reveals altered metabolites associated with pulmonary and extra-pulmonary tuberculosis	Metabolomics	Sharma, V., Singh, A., Sharma, S., Gaur, M., Malaisamy, A. K., Rawat, D., Yadav, A., Oyeyemi, B. F., Vasudeva, A., Chaudhry, A., Khanna, A., Khanna, V., Lohiya, S., Arora, R., Bandyopadhyay, A., Bhavesh, N. S., Singh, Y., & Misra, R. (Corresponding Author)	https://doi.org/10.1007/s11306-025-02377-2
JOURNAL PAPER (International)	A review emphasizing on utility of heptad repeat sequence as a tool to design pharmacologically safe peptide-based antibiotics	Biochimie	Yadav V, Misra R. (Joint Author)	https://doi.org/10.1016/j.biochi.2021.09.001
JOURNAL PAPER (National)	A Cross-Sectional Questionnaire Based Study to Evaluate Subjective Sleep Quality among Undergraduate Students in India	International Journal of Indian Psychology	Basu N, Saxena A, Sarraf A, Singh A, Gulani A, Yadav M, Panwar S, Mathur V, Misra R (Corresponding Author)	DOI: 10.25215/0904.024

JOURNAL PAPER (International)	Comparative Genomic Analysis of Mycobacteriaceae Reveals Horizontal Gene Transfer-Mediated Evolution of the CRISPR-Cas System in the Mycobacterium tuberculosis Complex	mSystems	Singh A, Gaur M, Sharma V, Khanna P, Bothra A, Bhaduri A, Mondal AK, Dash D, Singh Y*, Misra R* (Corresponding Author)	https://doi.org/10.1128/msystems.00934-20
JOURNAL PAPER (International)	Diagnostic performance of non-invasive, stool-based molecular assays in patients with paucibacillary tuberculosis.	Sci Rep	Gaur M, Singh A, Sharma V, Tandon G, Bothra A, Vasudeva A, Kedia S, Khanna A, Khanna V, Lohiya S, Varma-Basil M, Chaudhry A, Misra R*, Singh Y (Corresponding Author)	https://doi.org/10.1038/s41598-020-63901-z
JOURNAL PAPER (International)	Methylation of two-component response regulator MtrA in mycobacteria negatively modulates its DNA binding and transcriptional activation	Biochem J	Singhal A, Virmani R, Naz S, Arora G, Gaur M, Kundu P, Sajid A, Misra R*, Dabla A, Kumar S, Nellissery J, Molle V, Gerth U, Swaroop A, Sharma K, Nandicoori VK, Singh Y. (Joint Author)	https://doi.org/10.1042/BCJ20200455

JOURNAL PAPER (International)	Tuning the Mycobacterium tuberculosis alternative sigma factor SigF through the multidomain regulator Rv1364c and osmosensory kinase, protein kinase D	J Bacteriol	Misra R, Menon D, Arora G, Virmani R, Gaur M, Naz S, Jaisinghani N, Bhaduri A, Bothra A, Maji A, Singhal A, Karwal P, Hentschker C, Becher D, Rao V, Nandicoori VK, Gandotra S, Singh Y. (First Author)	https://doi.org/10.1128/jb.00725-18
JOURNAL PAPER (International)	Comparison of DNA Extraction Methods for Optimal Recovery of Metagenomic DNA from Human and Environmental Samples	Indian J Microbiol	Gaur M, Vasudeva A, Singh A, Sharma V, Khurana H, Negi RK, Lee JK, Kalia VC, Misra R*, Singh Y*. (Corresponding Author)	https://doi.org/10.1007/s12088-019-00832-y
JOURNAL PAPER (International)	The Ser/Thr protein kinase PrkC imprints phenotypic memory in Bacillus anthracis spores by phosphorylating the glycolytic enzyme enolase	J Biol Chem	Virmani R, Sajid A, Singhal A, Gaur M, Joshi J, Bothra A, Garg R, Misra R, Singh VP, Molle V, Goel AK, Singh A, Kalia VC, Lee JK, Hasija Y, Arora G and Singh Y (Joint Author)	https://doi.org/10.1074/jbc.RA118.005424

JOURNAL PAPER (International)	Gut microbiome contributes to impairment of immunity in pulmonary tuberculosis patients by alteration of butyrate and propionate producers	Environ Microbiol	Maji A§, Misra R§, Dhakan DB§, Gupta V, Mahato NK, Saxena R, Mittal P, Thukral N, Sharma E, Singh A, Virmani R, Gaur M, Singh H, Hasija Y, Arora G, Agrawal A, Chaudhry A, Khurana JP, Sharma VK, Lal R, Singh Y. (First Author)	https://doi.org/10.1111/1462-2920.14015
JOURNAL PAPER (International)	Expression profiling of lymph nodes in tuberculosis patients reveal inflammatory milieu at site of infection	Sci Rep	Maji A§, Misra R§, Mondal AK§, Bhatia S, Bajaj D, Singhal A, Arora G, Bhaduri A, Sajid A, Kumar D, Singh S, Singh H, Rao V, Dash D, Shalini B, Michael JS, Chaudhary A, Gokhale RS, Singh Y. (First Author)	https://doi.org/10.1038/srep15214
JOURNAL PAPER (International)	Exploring the carbamazepine interaction with human pregnane X receptor and effect on ABCC2 using in vitro and in silico approach	Pharm Res	Grewal GK, Singh KD, Kanojia N, Rawat C, Kukal S, Jajodia A, Singhal A, Misra R, Nagamani S, Muthusamy K, Kukreti R. (Joint Author)	https://doi.org/10.1007/s11095-017-2161-z
JOURNAL PAPER (International)	Iron affinity gel and gallium immobilized metal affinity chromatographic technique for phosphopeptide enrichment: a comparative study	Biotechnol. Biotechnol. Equip	Biswas S, Sarkar A, Misra R (Joint Author)	https://doi.org/10.1080/13102818.2017.1293492

JOURNAL PAPER (International)	Model systems for pulmonary infectious diseases: Paradigms of anthrax and tuberculosis	Curr Top Med Chem	Arora G, Misra R, Sajid S. (Joint Author)	https://doi.org/10.2174/1568026617666170130111324
JOURNAL PAPER (International)	Ser/Thr protein kinase PrkC-mediated regulation of GroEL is critical for biofilm formation in Bacillus anthracis	NPJ Biofilms and Microbiomes	Arora G, Sajid S, Virmani R, Singhal A, Kumar S, Dhasmana N, Khanna T, Maji A, Misra R, Molle V, Becher D, Gerth U, Mande S, Singh Y (Joint Author)	https://doi.org/10.1038/s41522-017-0015-4
JOURNAL PAPER (International)	Characterization of MymA protein as a flavin containing monooxygenase and as a target of isoniazid	Chem Biol Drug Des	Saraav I, Pandey K, Misra R, Singh S, Sharma M, Sharma, S. Characterization of MymA protein as a flavin containing monooxygenase and as a target of isoniazid (Joint Author)	https://doi.org/10.1111/cbdd.12840
JOURNAL PAPER (International)	Systematic analysis of mycobacterial acylation reveals first example of acylation-mediated regulation of enzyme activity of a bacterial phosphatase	J Biol Chem	Singhal A, Arora G, Virmani R, Kundu P, Khanna T, Sajid A, Misra R, Joshi J, Yadav V, Samanta S, Saini N, Pandey AK, Visweswariah SS, Hentschker C, Becher D, Gerth U, Singh Y (Joint Author)	https://doi.org/10.1074/jbc.M115.687269
JOURNAL PAPER (International)	The Tussle Between Mycobacteria and Host: To Eat or Not To Eat	Indian J Microbiol	Bhaduri A, Misra R, Dhamija N (Joint Author)	https://doi.org/10.1007/s12088-015-0541-9

JOURNAL PAPER (International)	Mycobacterium tuberculosis cyclophilin A uses novel signal sequence for secretion and mimics eukaryotic cyclophilins for interaction with host protein repertoire	PLoS One	Bhaduri A, Misra R, Maji A, Bhetaria PJ, Mishra S, Arora G, Singh LK, Dhasmana N, Dubey N, Virdi JS, Singh Y (Joint Author)	https://doi.org/10.1371/journal.pone.0088090
JOURNAL PAPER (International)	Identification of Ser/Thr kinase and Forkhead associated domains in Mycobacterium ulcerans: characterization of novel association between Protein kinase Q and MupFHA	PLoS Neglect Trop D	Arora G, Sajid A, Singhal A, Joshi J, Virmani R, Gupta M, Verma N, Maji A, Misra R, Baronian G, Pandey AK, Molle V, Singh Y (Joint Author)	https://doi.org/10.1371/journal.pntd.0003315
JOURNAL PAPER (International)	Recent Developments in Anti-dotes Against Anthrax	Recent Pat Antiinfect Drug Discov	Dhasmana N, Singh LK, Bhaduri A, Misra R, Singh Y (Joint Author)	https://www.ingentaconnect.com/content/ben/pri/2014/00000009/
JOURNAL PAPER (International)	Zinc regulates the activity of kinase-phosphatase pair (BasPrkC/BasPrpC) in Bacillus anthracis	Biometals	Arora G, Sajid A, Arulanandh MD, Misra R, Singhal A, Kumar S, Singh LK, Mattoo AR, Raj R, Maiti S, Basu-Modak S, Singh (Joint Author)	https://doi.org/10.1007/s10534-013-9646-y
JOURNAL PAPER (International)	The sigma factors of Mycobacterium tuberculosis: regulation of the regulators	FEBS J	Sachdeva P, Misra R, Tyagi AK, Singh Y (Joint Author)	https://doi.org/10.1111/j.1742-4658.2009.07479.x
JOURNAL PAPER (International)	Association of adiponectin gene functional polymorphisms (-11377C/G and +45T/G) with nonalcoholic fatty liver disease.	Gene	Gupta AC, Misra R, Sakhuja P, Singh Y, Basir SF, Sarin SK (Joint Author)	https://doi.org/10.1016/j.gene.2011.12.023

JOURNAL PAPER (International)	Loss of kinase activity in Mycobacterium tuberculosis multidomain protein Rv1364c	FEBS J	Sachdeva P, Narayan A, Misra R, Brahmachari V, Singh Y (Joint Author)	https://doi.org/10.1111/j.1742-4658.2008.06753.x
CHAPTER IN EDITED BOOKS (International)	Quality Science Education: Role of Digital Technologies in the Developing World in Ramjeawon, P.V., Bandyopadhyay, M., Dhakal, R.P., Mthembu, D. (eds) Science, Technology and Innovation in Achieving Sustainable Development Goals.	Springer, Singapore	Misra R, Rahul, Nishu, Mathur V (First Author, Corresponding Author)	https://doi.org/10.1007/978-981-95-7785-9_9
CHAPTER IN EDITED BOOKS (International)	Understanding the Connect of Quorum Sensing and CRISPR-Cas System: Potential Role in Biotechnological Applications/Quorum Sensing and its Biotechnological Applications	Springer Nature Singapore	A Singh, M Gaur and R Misra (Corresponding Author)	https://doi.org/10.1007/978-981-13-0848-2_15
CHAPTER IN EDITED BOOKS (International)	Tackling the Antibiotic Resistance: The “Gut” Feeling/Drug Resistance in Bacteria, Fungi, Malaria, and Cancer	Springer International Publishing Switzerland	Misra R*, Virmani R, Dhakan D, and Maji A (First Author, Corresponding Author)	https://doi.org/10.1007/978-3-319-48683-3_14
CHAPTER IN EDITED BOOKS (International)	Synthetic Solutions to Drug Resistance	Springer International Publishing Switzerland	Arora G, Misra R, and Sajid A (Joint Author)	https://doi.org/10.1007/978-3-319-48683-3_26

8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number

9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2023	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”	23.May.2023 - 21.Jun.2023
2023	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	National	Refresher Course in “Zoology”	01.Apr.2023 - 24.Apr.2023
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	National Faculty Development Program on e-Content Development	10.Oct.2023 - 16.Oct.2023

Dr. RICHA MISRA