

Bio data

DR. SHRUTI SHARMA

Scientist D

Area of Specialization: Pathology: Histopathology, Cytopathology

Area of Interest: Dermatopathology; Cardiac Pathology

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Educational Qualifications: MNAMS; DNB (Pathology); M.B.B.S

Scientific Research Experience: 21 years

S.No.	Positions held	Name of the Institute	From	To
1	Scientist 'D' (Teaching & Research)	ICMR, National Institute of Pathology, Safdarjung Hospital Campus, New Delhi	01.09.18	Till date
2	Scientist 'C' (Teaching & Research)	ICMR, National Institute of Pathology, Safdarjung Hospital Campus, New Delhi	11.04.14	31.08.18
3	Consultant Pathologist	Adiva Multispeciality Hospitals, Green Park, New Delhi	15.12.13	31.03.14
4	Senior Research Associate (Pool Officer)	Dept. of Cardiac Pathology & CTVS, AIIMS, New Delhi	15.12.10	14.12.13
5	Research Associate	ICMR, National Institute of Pathology, Safdarjung Hospital Campus, New Delhi	6.02.2006	6.05.2010
6	DNB (Pathology)	ICMR, National Institute of Pathology, Safdarjung Hospital campus, New Delhi	01.6.2001	31.08.2005

Other scientific degrees:

1. Member of National Academy of Medical Sciences (M.N.A.M.S)
2. Life member of Indian Association of Pathologists and Microbiologists (379/06)
3. Life member of Dermatopathology Society of India
4. Life member of Delhi Society of Haematology (DSH/LM/320)

Recognized Research Guide: Jamia Hamdard University, Delhi; India

Manipal Academy of Higher Education, Karnataka; India

Publications: Total: 64 [International: 32 National: 32]

PUBLICATIONS:**Research Articles**

1. Das S, Kumar Y, **Shruti S**, Ray R, Arava S, Seth S, Agarwal A, Sharma G. An Untargeted LC–MS based approach for identification of altered metabolites in blood plasma of rheumatic heart disease patients. *Scientific Reports* (2022); 12:5238 doi.org/10.1038/s41598-022-09191-z. [**Impact Factor: 4.34; Citations:1**]
2. **Shruti Sharma**, Gautam S*, Milind, Devguru, Vikas K, Balram A, Ruma ray. Light and electron microscopic features of surgically excised left Atrial appendage in rheumatic heart disease patients with atrial fibrillation and sinus rhythm. *CardiovascPathol* 2014:(23); 319-26 [**Impact Factor: 2.46; Citations: 38**]
3. Sharma G, Ghati N, Doshi S, **Sharma S**, Sharique M, Agarwal A, Devagourou V, Hote MP, Choudhary SK. Incidence and predictors of de novo late-onset persistent atrial fibrillation in postoperative rheumatic heart disease patients (LOAF-RHD study). *J Interv Card Electrophysiol*. 2021 Nov 8. doi: 10.1007/s10840-021-01085-w. Epub ahead of print. PMID: 34748162. [**Impact Factor: 2.03; Citations: 0**]
4. Dev PP, Kathuria S, Srivastava P, Singh R, **Shruti S**. Reverse Koebner phenomenon in annular cutaneous leishmaniasis. *J Eur Acad Dermatol Venereol*. 2022 Sep 27. doi: 10.1111/jdv.18603. [**Impact Factor: 6.16; Citations: 0**]
5. Khuntia BK, Sharma V, Qazi S, Das S, **Shruti S**, Khalid Raza, Sharma G. Ayurvedic Medicinal Plants Against COVID-19: An In Silico Analysis. *Natural Product Communications*; Volume 16(11): 1–9, DOI: 10.1177/1934578x211056753[**Impact Factor: 0.986; Citations: 10**]
6. Qazi S, Das S, Khuntia BK , Sharma V, **Shruti S**, Gautam S, Raza K. In Silico Molecular Docking and Molecular Dynamic Simulation Analysis of Phytochemicals From Indian

Foods as Potential Inhibitors of SARS-CoV-2 RdRp and 3CLpro. *Natural Product Communications*. 2021;16(9):1934578X211031707 DOI: 10.1177/1934578X211031707 [**Impact Factor: 0.986; Citations: 16**]

7. Sharma G, Ghata N, Sharique M, **Sharma S** et al. Role of inflammation in initiation and maintenance of atrial fibrillation in rheumatic mitral stenosis – An analytical cross-sectional study. *J of Arrhythmia*: 2020;00:1–9doi.org/10.1002/joa3.12428 [**Impact Factor: 1.22; Citations: 8**]
8. Narender Kumar*, **Shruti Sharma**, Ruma Ray, Balram Airan. Primary cardiac tumours in a paediatric population: An experience from a tertiary centre with a review of literature. *AfrJPaedSurg* 2014; **Vol** (11); 44-47. [Impact Factor: - **citations = 11**]
9. Malik A, Siraj F, **Shruti S**, et al. (April 20, 2020) Clinicopathological Concordance in 2216 Cases of Skin Biopsy over One Year: An Indian Experience. *Cureus* 12(4): e7752. DOI 10.7759/cureus.7752 (April2020) [Impact Factor: NA; **Citations: 4**]
10. Singh, A., Sarvjot, V., **Sharma, S.**, & Mishra, S. (2009). Melasma: A clinicopathological study of 43 cases. *Indian Journal of Pathology and Microbiology*, 52(3), 357. DOI: 10.4103/0377-4929.54993. PMID: 19679960 [**Impact Factor: 0.51; Citations: 66**]

ONGOING RESEARCH ACTIVITIES

A. PROJECTS as Principle Investigator:

1. Comparative Proteomic analysis to discover novel plasma biomarkers for early detection, surveillance and prognostication of Atrial fibrillation in patients with Rheumatic heart disease. (**Principal Investigator**) DST (SERB): **Rs. 59,54,360 60/-**
2. Proteomic analysis of cardiac tissue of atrial fibrillation patients with Rheumatic heart disease to understand the pathophysiology and to identify candidate biomarkers for diagnostic and therapeutic applications. (**Principal Investigator**) DBT (BioCARE): **Rs.56,44,355/-**
3. Integrative analysis of psoriasis transcriptome for identification of potential therapeutic targets (**Principal Investigator**) ICMR

B. PROJECTS as Co- Investigator:

4. Project entitled “**Detection of 2-Hydroxyglutarate in biofluids of glioma patients: Potential role as a circulatory biomarker**” (id 2017-4524) ICMR
5. Project entitled “**Application of new tools for molecular diagnosis and surveillance of post kala-azar dermal leishmaniasis and cutaneous leishmaniasis in India.**” ICMR
6. Project entitled “Integrative analysis of psoriasis transcriptome for identification of potential therapeutic targets”. ICMR

7. **Dermoscopic Evaluation of Cutaneous Tuberculosis. (Safdarjung Hospital)**
8. **Molecular and Immunohistochemical Diagnosis of Extrapulmonary Cutaneous Tuberculosis – ICMR**

COMPLETED RESEARCH WORK

1. ICMR: “Identification of metabolic markers in Rheumatic Heart Disease (RHD) with Atrial Fibrillation using untargeted LC/MS based Metabolic Approach.”

2. CSIR: Dept. of Cardiac Pathology & CTVS, AIIMS, Delhi.

“Histopathological Analysis of Light Microscopic & Ultrastructural features of surgically Excised Left Atrial Appendage in patients with atrial fibrillation due to Rheumatic Heart Disease”.