

SHYAMALI

PRESENTLY SERVING AS ASSISTANT PROFESSOR IN THE DEPARTMENT OF ZOOLOGY (DR. GHANSHYAM SINGH MAHAVIDYALAYA, VARANASI) · LIFE SCIENCES

Phone: 7007089386 · | Email: shy.yadu1c@gmail.com
Address: House No.2, Vill-Chainpur, Sadat, Ghazipur (UP)
Languages: Hindi | English

Dedicated researcher specialising in Leishmania immunology, proteomics and visceral leishmaniasis, with hands-on expertise in molecular biology, metabolomics and metagenomics at Banaras Hindu University.

Education

B.ED.

Bachelor of Education

Veer Bahadur Singh Purvanchal University (Affiliated College)

Status: Currently Pursuing

DIPLOMA

Diploma in Statistics & Computing

Banaras Hindu University

Status: Completed

M.SC.

Master of Science in Zoology

Banaras Hindu University

CGPA: 8.22 / 10

B.SC.

Bachelor of Science in Zoology

Banaras Hindu University

CGPA: 8.33 / 10

XII

Intermediate — CBSE

Shah Faiz Public School

Percentage: 78%

X

High School — CBSE

Shah Faiz Public School

CGPA: 8.8 / 10

Technical Skills

MOLECULAR TECHNIQUES

Protein Isolation, Quantification, PAGE, Western Blotting, RNA/DNA Isolation, Plasmid Isolation, PCR, DNA Transfection & Expression, Exosome Isolation & Characterisation

BIOCHEMISTRY & IMAGING

Biochemical Assays, Enzymatic Assays, Microscopy, Metabolomics, NMR, LC-MS/MS, Metagenomics, Statistical Analysis

COMPUTING & INFORMATICS

MS Office, Excel, Basic Bioinformatics Tools, Scientific Presentations

Research Experience

2025 – PRESENT

Assistant Professor — Department of Zoology

Dr. Ghanshyam Singh Mahavidyalaya, Varanasi

Presently serving as Assistant Professor in the Department of Zoology, contributing to undergraduates and postgraduates teaching and academic development in life sciences.

DEC 2022 – DEC 2024

Junior Research Assistant

UP-CST Project

“Reproducibility and validity of serological markers for Leishmania donovani infection in healthy individuals”

JUN 2021 – DEC 2022

Junior Research Fellow (JRF)

SERB Project

“Identify immune checkpoint molecules to improve patient treatment & promote long-term immunity in human visceral leishmaniasis”

MASTER'S THESIS · BHU

Expression of Norbin in Traumatic Brain Injury

Banaras Hindu University

Study on Norbin expression in the cerebral cortex of a traumatic brain injury mouse model under Prof. S.T. Mani, Banaras Hindu University.

Publications

01 – BOOK CHAPTER

Leishmania Proteomics: Insight into Diagnostics and Vaccine Development

Maurya, D. K., Shyamali, Mudavath, S. L., Sundar, S., & Singh, O. P. (2024). Challenges and Solutions Against Visceral Leishmaniasis, pp. 81–107.

02 – CLINICAL RESEARCH

Vaccine Human Clinical Trial

Contribution to clinical trial research for Leishmania vaccine development.

03 – JOURNAL ARTICLE

Dogs as Reservoirs for Leishmania donovani, Bihar, India, 2018–2022

Kushwaha, A.K., Shukla, A., Scorza, B.M., Chaubey, R., Maurya, D.K., Rai, T.K., Shyamali et al. Emerging Infectious Diseases, 30(12), 2604 (2024).

Achievements

- Attended One Week Workshop on Transforming Pedagogy in Higher Education 2025: Sciences, Mathematics, Social Sciences, Humanities and Management — organized by Inter University Centre For Teacher Education (IUCTE), Banaras Hindu University, Varanasi
- Qualified JGEEBILS-2020
- Qualified ICAR-NET-2019
- Qualified GATE XL-2019

- Poster Presentation at Shodh Sangam, Banaras Hindu University (2024)
 - Participated in Symposium on Frontiers of Sciences (Present & Future), 2019
 - Local Organising Committee — International Conference on Neuroscience, 2018
 - Seminar Presentation: “Implication of Yoga, Meditation and Pranayama on Health” — Banaras Hindu University
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External Links

Google Scholar — View publications & citations (Academic Citations)

<https://scholar.google.com/citations>

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