Murshidabad University

FACULTY ACADEMIC PROFILE/ CV

Full name of the faculty member: Dr. SMRITIKANA BISWAS

Designation: Assistant Professor

Contact information: 9474988388

Academic qualifications:

College/University from which the degree was obtained	Abbreviation of the degree
Krishnath Colllege, University of Kalyani	B.Sc
Vidyasagar University	M.Sc
Vidyasagar University	Ph.D.

Positions held/ holding: Assistant Professor

Research interests: Biochemical and Molecular studies of different environmental isolates as well as community and hospital associated isolates of *Staphylococcus aureus*, *Helicobacter pylori* etc. Research interest also involves the natural herbs, antimicrobials from bacteria (environment), synthesis of nanoparticles, biopolymerfilm and their biological activities such as antifungal and antimicrobial activities.

Research guidance: Yes (One research personnel appointed)

Projects: Yes (DST-SERB, **Sanction File No: SUR/2022/001437)**

Select list of publications (Only number):

a) Journals:08
b) Books/ book chapters: 01
c) Conference/ seminar volumes: 12

Membership of Learned Societies: Yes

Invited lectures delivered: Nil

Awards:

- **Award for securing highest marks in Physiology in B.Sc Part-I Honours from Berhampore Krishnath College.**

- **Award for standing 1st position in B.Sc from Kalyani University.**

- **Award for standing 2nd position in M.Sc from Vidyasagar University.**

Other notable activities: NA

List of Journal Publication/ Conference Papers: (Last ten years)

A. Research Publications:

1. Biswas S, Bhowmick B and Ghosh C. **Identification of CagA harboring *Helicobacter pylori* from buccal swab collected from tobacco addicted women subjects.** *Int J Pharm Bio Sci* 2013, **4(2):**(B) 165-175.

2. Biswas S, Misra SK, Mukherjee P and Ghosh C. **Effect of dietary deficiency of vitamin B6, vitamin B12 and folic acid on the development of coronary artery disease in adult Indian male patients.** *IOSR-JPBS* 2014, 9**:** 30-35.
3. Biswas S, Karmakar A and Ghosh C. **Multidrug Resistant pathogenic *Staphylococcus aureus* in the pimples.** *Med Sci* 2015, **16(66):** 41-50.

4. Biswas S, Mitra P. **Comparative studies on the antimicrobial activity of *Terminalia arjuna* and *Aloe vera* against community associated drug resistant *Staphylococcus aureus* in pus from carbuncles of adults.** *JIPBS* 2017, **4 (4):**153-157.

5. Biswas S, Paul K. **Multidrug resistant pathogenic *Staphylococcus aureus* in pus from post-operative wounds of hospitalized patients and antimicrobial activity of natural herbs.** *IJPBS* 2017, **7(4):**241-247.
6. Majumdar P, Biswas S. **Convenient approach to the direct synthesis of some mixed-ligand tris-chelates of MnII containing neutral N, N-donors and to study their antimicrobial activities.** *J Indian Chem soc* 2019, **96:**329-334

7. Biswas S, Mukherjee P, Manna T, Dutta K, Guchhait KC, Karmakar A, Karmakar M, Dua P, Panda AM & Ghosh C. **Quorum Sensing Autoinducer(s) and Flagellum Independently Mediate EPS Signaling in *Vibrio cholerae* Through LuxO-Independent Mechanism.** *Microb Eco* 2019, **77(3):**616-630.

8. Biswas S, Ghosh A, Giri B. **Antibacterial and Antibiofilm Activities of Natural Herbs against Methicillin Resistant *Staphylococcus aureus* in Pus from Scabies.** *Int J Pharm. Investigation* 2022, 12(2):1-5