

## CURRICULUM VITAE



### **Dr. Aparna Shil (M. Sc., Ph. D.)**

**Name** : **Dr. APARNA SHIL**

**Gender** : Female

**Category** : General

**Contact No.** : 9433759365 (M)  
: 7596807041 (M)

**E-mail** : aparna.shil11@gmail.com

**Nationality** : Indian

**Languages Known** **Spoken:** English and Bengali  
**Written:** English and Bengali

**Address**

**Residence** : 18, Goala para Lane, P.O. Serampore, District: Hooghly, PIN: 712201

**Office** : J- 206 & 208A Paharpur Road, P.O. Garden Reach, Kolkata 700024

### **Academic Qualification**

1. B.Sc. in Physiology from University of Calcutta in 2004.
2. M.Sc. in Physiology with Immunology and Microbiology special paper from University of Calcutta in 2006.
3. Ph. D. in Science from University of Calcutta in 2023.

## **Present position:**

State Aided College Teacher in Department of Physiology, Harimohan Ghose College.

**Teaching experience:** 16 years

## **Publications:**

1. **Shil, A.**, Mukherjee, S., Biswas, P., Majhi, S., Sikdar, S., Bishayi, B., & Sikdar (née Bhakta), M. (2023). *Catharanthus roseus* (L.) G. Don counteracts the ampicillin resistance in multiple antibiotic-resistant *Staphylococcus aureus* by downregulation of PBP2a synthesis. *Open Life Sciences*, 18(1). DOI: 10.1515/biol-2022-0718
2. **Shil, A.**, Banerjee, A., Maji, B. K., Bishayi, B., & Sikdar, (née Bhakta), M. (2022). Multiple antibiotic resistant *Staphylococcus aureus* induced hepatocellular anomaly: A possible amelioration by *Catharanthus roseus* (L.) G. Don. *South African Journal of Botany*, 148, 446-459.
3. **Shil, A.**, Bishayi, B., & Sikdar (née Bhakta), M. (2021). Prevalence of community-associated *Staphylococcus aureus* strains among university students. *Progress in Health Sciences*, 11: 2, 65-75. DOI: <https://doi.org/10.5604/01.3001.0015.6400>
4. **Shil, A.**, Mukherjee, S., Bishayi, B., & Sikdar (née Bhakta), M. (2020). A Comparison of Antibacterial Effects of *Catharanthus roseus* and *Camellia sinensis* (Black Tea) and Their Synergistic Effect along with Antibiotic against Multiple Antibiotic Resistant Strains of *Staphylococcus aureus*. *Journal of Herbs, Spices & Medicinal Plants*, 1-14. DOI: [10.1080/10496475.2020.1815921](https://doi.org/10.1080/10496475.2020.1815921)
5. **Shil, A.**, Mukherjee, S. & Sikdar (née Bhakta), M. Increased antibacterial efficacy of a combination of black tea (*Camellia sinensis*) leaf extract and Zinc oxide nanoparticles suspension against multi-drug resistant *Staphylococcus aureus*. *J. of Env. Physiol.*, 2015:7(1,2), 1-8. ISSN : 0974-0736.
6. Mukherjee, S., **Shil, A.**, Pal, K., Pal, S., & Sikdar (née Bhakta), M. Comparative evaluation of the antibacterial and cytotoxic activity of green synthesized and commercially available ZnO nanoparticles. *Biomedicine*, 2021; 41(3): 565 – 575.

## **Seminar/Conference attended:**

1. **Shil A.**, Mukherjee S., Bishayi B., Sikdar M. (2019). Study on Prevalence of multiple antibiotic resistant strains of *Staphylococcus aureus* in community and antibacterial effect of *Catharanthus roseus* on them. In: The Young Scientist Conference as a part of “India International Science Festival- 2019” at Biswa Bangla Convention Center, Kolkata, November 5<sup>th</sup>-8<sup>th</sup>, 2019.
2. **Shil A.**, Mukherjee S., Bishayi B., Sikdar M (2018). Determination of prevalence of community associated MAR (multiple antibiotic resistant) strains of *Staphylococcus aureus* and identifying the antibacterial potential of *Catharanthus roseus* root extract. In: 3<sup>rd</sup> Regional Science and Technology Congress (southern region) at Bidhannagar College, Kolkata, December 18<sup>th</sup>-19<sup>th</sup>, 2018.
3. **Shil A.**, Mukherjee S., Bishayi B., Sikdar M (2018). Determination of potentially stronger antibacterial extract among *Camelia sinensis* (Black tea) and *Catharanthus roseus* against multiple antibiotic resistant strain of *Staphylococcus aureus*. In: Physicon 2018, XXX<sup>th</sup> Annual Conference of The Physiological Society of India, at Serampore College, Serampore, Hooghly, November 22<sup>nd</sup>-24<sup>th</sup>, 2018.
4. **Shil A.**, Mukherjee S., Sikdar M (2017). Antibacterial effect of ethanolic extract of *Catharanthus roseus* on multiple antibiotic resistant community-associated strains of *Staphylococcus aureus*. In: 2<sup>nd</sup> Regional Science and Technology Congress (southern region) at University of Kalyani, Kalyani, Nadia, December 14<sup>th</sup>-15<sup>th</sup>, 2017.
5. **Shil A.**, Mukherjee S., Sikdar M. (2016). Increased antimicrobial efficacy of a combination of Black tea (*Camellia sinensis*) leaf extract and Zinc oxide nanoparticles suspension against multidrug resistant *Staphylococcus aureus*. In: 23<sup>rd</sup> West Bengal State Science and Technology Congress 2016 at Presidency University, Kolkata, February 28<sup>th</sup>-29<sup>th</sup>, 2016.
6. **Shil A.**, Bhattacharya D., Sikdar M. (2014). Studies on antioxidative and antibacterial effects of tea extract. In: National Symposium “Modern trends in Biological Sciences” at Presidency University, Kolkata, February 21<sup>st</sup> 2014.