

## **Dr. V. Shanthi**

Head, Department of Microbiology

### **Area of Specialization**

- Microbiology
- Enzymology
- Fermentation Technology
- Environmental Biotechnology

### **Courses Attended**

Attended one refresher course on “Novel Insights in Life Science Research” from 15.02.21 to 27.02.21, organized by UGC-HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur and one Orientation program at Pt. Ravi Shankar Shukla university, Raipur.

### **Programs organized**

- Convener and Organizing Secretary of International Webinar on “Epidemiological and immunological aspects of Covid19” organized on 31<sup>st</sup> July 2021.
- Organized a National Level Workshop on “Development of Microbes for Sustainable Agriculture in Farmer’s Laboratory” on 01<sup>st</sup> March 2021.

### **Additional Responsibilities**

- Held the responsibility as member of Board of Studies (Microbiology), Hemchand Viswavidyalaya Durg.

### **Projects**

Completed Minor Research Project funded by UGC, New Delhi

### **Research Guidance**

Recognized Ph.D. Guide (Microbiology) affiliated to Hemchand Yadav Viswavidyalaya, Durg

### **Publications**

- Paper titled “Potential Antibacterial Efficacy of Bioactive principles of Fruit Extracts of *Acacia Arabica* Lam. Willd against Enterotoxigenic *Escherichia coli*” published in *Journal of Ecobiotechnology*, 3(5),03-07, 2011.

- Paper titled “In Vitro Assessment of Antisecretory Activity of Root Extracts of *Acacia Arabica* Lam. Willd against Biodiversity of *E.coli* isolated from Bhilai- Durg Region” published in *Journal of Phytology*, **3**(4), 01-05, 2011.
- Paper titled “Effect of metal ions on amylase production” published in *Recent Research in Science and Technology*, **5**(2), 52-53, 2013.
- Paper titled “Isolation and Screening of Alkaline thermostable Xylanase Producing Bacteria from Soil in Bhilai Durg Region of Chhattisgarh, India” published in *International Journal of current Microbiology and Applied Sciences*, **3**(8), 303-311, 2014.
- Paper titled “Response surface optimization of xylanase production by indigenous thermoalkalophilic *Bacillus sp*” published in *African Journal of Microbiology Research* **9** (27), 1699-1705, 2015.
- Paper titled “Isolation and Optimization of Xylanase Production from Newly Isolated *Bacillus sp*” published in *Deccan Current Science* **15**(1), 132-139, 2016.
- Paper titled “Isolation, optimization and purification of endoxylanase from newly isolated *Bacillus sp*” published in *Research Journal of Biotechnology*, **12**(3), 82-90, 2017.
- Paper titled “Isolation, Identification and partial optimization of novel xylanolytic bacterial isolates from Bhilai-Durg region, Chhattisgarh, India” published in *Iranian Journal of Biotechnology*, **16**(3), DOI:10.15171/ijb.1333. 2018.