

Chief Patron
Prof. Sangita Srivastava
Hon'ble Vice-Chancellor, AoU

Patron
Prof Shekhar Srivastava
Director IIDS

Chairperson
Prof. M. P. Singh
Coordinator
Centre of Biotechnology

Convenor
Dr. Awadh Bihari Yadav

Co-Convenor
Prof. Shanthi Sundram

Speakers
Prof. Rolee Sharma
Department of Life Sciences
CSJM University, Kanpur

Dr. Mukesh Pasupuleti
Department of Microbiology,
CDRI, Lucknow

Dr. Amit Kumar Singh
Experimental Animal Facility
JALMA, Agra



**A Three Day
Workshop**
On



**To combat against
Antimicrobial
Resistance (AMR) :
Bacterial biofilm formation,
quantification and
screening of small
molecules against Biofilm**

21st to 23rd March 2023

Venue

**Centre of Biotechnology,
New Block, University of Allahabad**

Sponsored by :
**University Grant Commission
Govt. of India**

Organized by :
**Centre of Biotechnology
University of Allahabad
Prayagraj
Uttar Pradesh-211002**

About University

University of Allahabad has always occupied an esteemed place among the university across the country. It is one of the oldest university of India, established on 23rd September 1887. This university has a great past with renowned personality such as Pt. Moti Lal Nehru, Pt. Madan Mohan Malviya, President of India, Vice-President of India, 6 former CJs, Poets like Firaq Gorakhpuri, Harivansh Rai Bacchan, Mahadevi Verma, Surya Kant Tripathi Nirala, many others associated with this university.

About the event

This workshop will provide an opportunity to participant to learn new techniques which can help to combat against antimicrobial resistance (AMR) developed by bacteria by discovering new drug compounds for the treatments drug resistance bacteria. The main focus of this workshop is to provide basic knowledge about antimicrobial resistance developed by microbe. Hands on exposure will be given to the participants on bacterial biofilm formation, quantification and screening of drugs and plant extracts against biofilm. This workshop will make participants competent and more employable. This is very important and relevant topic when humanity facing threat from microorganism by developing antibiotics resistance, which make very difficult to treat.

About Centre of Biotechnology

The Centre of Biotechnology was established in 2000 under Institute of Inter Disciplinary Studies (IIDS) of Allahabad University, supported by Department of Biotechnology, Govt. of India, New Delhi. At present centre offer's Masters Programme (4 semester) in Biotechnology as well as Ph.D. programme. This centre also involve in to the cutting edged research in Nanobiotechnology, Cyanobacterial Biotechnology, Microbial and Mushroom Biotechnology sponsored by different funding agency such as DBT, DST and SERB.

Registration Process

Participants will be nominated by : Head/Director/Principle/ Supervisor in the case of Ph.D. students.

The nominated participants have to send application on email at : awadhyadav@allduniv.ac.in by **15th March 2023**.

For more details contact : 7706070903

Technical Session

(Venue : CBT, New Block)

21 th '23 March	11:00- 11:45	Inaugural Session
1 Day	High Tea	
	12:30- 1:30	Talk 1: Antimicrobial Resistance (AMR)
	1:00- 2:00	Lab 1: Media Preparation and autoclaving
	2:15- 3:00	Lab 2: <i>S. aureus</i> culture
22 nd '23 March	9:00- 11:00	Talk 2: Anti- biofilm peptide design and screening
2 Day	Tea Break	
	11:15- 13:00	Lab 3: Biofilm formation & quantitation
	Lunch	
	13.00- 13:30	Lab 3: Screening of plant extract against biofilm
23 rd March '23	9:00- 11:00	Talk 3: Animal Model and AMR
3 Day	Tea Break	
	11:15- 13:00	Lab 4: Microscopic study of Bacterial Biofilm
	13.00- 13:30	Valedictory Session