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International Conference

on

# “Advances in Biosciences and Biotechnology”

(ICABB-2023)

on

23&24, FEBRUARY 2023

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International Conference

on

# “Advances in Biosciences and Biotechnology”

(ICABB-2023)

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23 & 24, FEBRUARY 2023

Organized by

DEPARTMENT OF BIOTECHNOLOGY

MOTHER TERESA WOMEN'S UNIVERSITY

(Established under the act of TamilNadu 1984)

KODAIKANAL – 624 102



## ABOUT THE UNIVERSITY

Mother Teresa Women's University, named after a great humanitarian Mother Teresa, is situated at Kodaikanal, Dindigul District. The University was established in 1984 by the Tamilnadu State Legislature Act, 15 and recognized by UGC under Sec.12 (b) and 2(f) to promote research on all aspect of women. The University's vision is to "Empower Women through Education". The University functions exclusively by women, for women with specific focus on women's studies under its triple arm Teaching, Research and Extension activities and it emphasize execution of program for quality education, academic excellence and personality development. The University has 18 departments offering PG and Research Programs in various disciplines. The University has its Research and Extension Centers at Chennai, Madurai and Coimbatore.

## ABOUT THE DEPARTMENT

The Department of Biotechnology was started in 2002. It is a DST CURIE, DST-FIST and UGC-Non-SAP sponsored Department. The Department is equipped with sophisticated instrument like GC-MS, HPLC, Multiplex PCR, FTIR, XRD and many more. The faculties of the Department operate many funded projects in special areas of research like Mycotechnology, Biotechnology, Microbiology and Microbial genetics and they are operated in state of art laboratories. Additionally, Department has exclusive general lab for Plant Biotechnology, Molecular Biology, Microbiology, Animal Biotechnology and Nanoscience. The mission of the Department is to provide academic training and conduct research in the interdisciplinary areas of biotechnology with a particular emphasis on extending the knowledge generated from these studies towards the development of technologies of commercial significance.

## ABOUT THE PROGRAMME

Biotechnology has been instrumental in the development and implementation of processes for the manufacture of antibiotics and other pharmaceuticals, industrial sugars, alcohols, amino acids and other organic acids, foods, and specialty products through the application of various fields of Biosciences. The purpose of this Conference is to introduce the concepts of biological diversity conservation, evolution, phytochemistry, development of novel drugs and its delivery, ecofriendly approaches, herbal medicines, behavioural studies, the genetic basis of life and the boundaries that encompass biological systems. Also familiarize the fundamental principles underlying the biological systems, at the level of both micro and macro, biochemical reaction, the cell, the tissue, the entity, the population and the environment. This conference will provide a tremendous platform for the students and researchers to inculcate the latest techniques and tools currently trending in the field of Biological Sciences.

## SCOPE OF THE CONFERENCE

- The scope of this conference is to invite the eminent experts
- To discuss about the various new issues and developments in different areas of biosciences
- To instill the essential facts and theories in biotechnology
- To technically equip the PG students and research scholars to enhance their research skills

## THEMES OF THE CONFERENCE

- Phytochemistry, molecular cell biology, systems and synthetic biology, Bioinformatics
- Herbal medicines, Novel drugs and delivery,
- Environmental pollution studies and Ecology
- Plant sciences and Zoological studies
- Molecular Cloning and Recombinant Protein production
- Genomics, Transcriptomics, Proteomics and Metabolomics, Metagenomics and Bioinformatics resources
- Gene Therapy and Drug therapeutics

## ABSTRACT AND FULL PAPER SUBMISSION

Abstracts of research papers in the above thrust areas are invited for oral and poster presentation. The abstract must be restricted to 400 words. The name of the presenting author should be underlined and corresponding author indicated by an asterisk. Abstract with title (capital letters), authors, affiliation, complete address and e-mail of corresponding author, typed in MS word (Times New Roman-font size 12 pts with 1.5 line spacing) must be submitted to the organizing secretary by E-mail. Abstract will be accepted from registered participants. The organizers will communicate the acceptance of Paper suitable for oral/poster presentation.

The full papers in the above thrust areas are invited. Only original full research work will be accepted for publication in an reputed journal / Online ISSN journal/ UGC care list journal. All correspondence will be done through E-mail only.

Abstracts Submission Deadline : 10th February,2023  
Full Paper Submission Deadline : 14th February,2023  
Abstract acceptance Intimation : 15th February,2023

## REGISTRATION DETAILS

Participants are requested to confirm their registration on or before 10th January, 2023 by remitting the registration fee through online mode. Please send the filled-in scanned Registration Form along with Online Payment Proof though Email : [icabb2023@gmail.com](mailto:icabb2023@gmail.com)

Students : Rs. 1000/-  
Research Scholars : Rs. 1500/-  
Academicians/Industrialists : Rs. 3000/-

Author and co-authors of accepted papers should register and pay the registration fee for the conference separately.

### Note: To remit the registration fee through SBI collect

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No TA/DA will be given to the delegates.