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MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)

Accredited by NAAC with 'A++' Grade in the 4th Cycle

SCHOOL OF BIOTECHNOLOGY

**Two Day National Conference on
Biotechnology for Sustainable Agriculture and Healthcare
(NCBSAH- 2023)**

23rd - 24th March, 2023



ABOUT THE UNIVERSITY

Madurai University was established as a State University in the year 1965 and renamed as MADURAI KAMARAJ UNIVERSITY in the year 1979, shortly known as MKU, reaccredited with the “A++” with the CGPA score of 3.54 by the NAAC in the 4th cycle in March 2021. Now MKU is in Category-I Universities of India. The University has secured 52nd rank among Indian Universities and India's best Government Multi-disciplinary University in NIRF ranking-2022 and by the Ministry of Human Resource Development respectively. MKU has 20 Schools comprising 77 Departments, 21 academic centers, 66 affiliated Colleges, and 15 Research Institutions. Madurai Kamaraj University offers 41 PG, 35 M.Phil., and 17 Diploma/ P.G Diploma/ Certificate courses in various Departments. University Grants Commission (UGC), has recognized MKU as a “University with potential for Excellence”.

ABOUT THE SCHOOL OF BIOTECHNOLOGY

The School of Biotechnology (SBT), earlier known as the Department of Biotechnology under the School of Biological Sciences, was elevated to the level of School in 1994. The School of Biotechnology, Madurai Kamaraj University is the first State University and one among the five institutes in the country offering a very prestigious M.Sc Biotechnology teaching program since 1985, which is financially supported (through recurring and non-recurring heads) by the Department of Biotechnology (DBT), GOI. Since then, MKU has witnessed exponential growth in the field of Biotechnology, which is very competitive and rated well. The School has an excellent reputation in teaching of Biotechnology with National Research Facilities such as Bioinformatics Centre, Centre for Genetic Engineering and Strain Manipulation, Centre for Plant Molecular Biology and National Facility for High Resolution Graphics. The major research strength of the faculty is in deploying recombinant DNA methods for genetic engineering of microorganisms and plants, molecular diagnosis of genetic disorders, development of vaccine candidates for infectious diseases, studying the plant microbe interaction at epigenetic level, production of biofuels, Nutraceuticals and molecular cardiology. The School has established an excellent infrastructure needed to carry out challenging research in emerging areas of Biotechnology.

ABOUT THE CONFERENCE

We are currently in the Basic and advance biotechnology and most precisely the post-Genomics and Proteomics era due to the knowledge gained on whole genome sequencing of human as well as many model and pathogenic organisms. Also due to the developments and accessibility of next-generation sequencing technologies and accumulating data from the host as well as pathogens in terms of whole genome sequences, genome-wide expression data, genome-wide polymorphism data, integrative genomic models and systems-level information, it is possible to harness the information towards answering advanced biological, biotechnological and biomedical questions. Therefore, it is necessary to increase the awareness to the researchers in India on the recent developments in genome biology in technological and biological aspects. All the fields in biology could now be re-visited with genomic perspectives for the enhanced understanding. The biology of infection and the host response also need to be understood at the level of genomics for a comprehensive understanding.

The advancements in these contexts would pave way for the researchers across the country I) to understand the developments in biology and II) to understand the methodological advancements in the field, and III) to get equipped for the development of diagnostics and therapeutics for various pathological conditions. The “National conference on Biotechnology for sustainable Agriculture and Healthcare (NCBSAH- 2023)” is the rightly formulated event covering all the above-listed aspects of the field with brainstorming lectures from the experts across the globe and with the participation of about 400 young researchers from India. This would cover the need of Nation in biological and biomedical contexts to get exposed to the recent developments and to apply the same for their research and to address various biological and biomedical problems.

Themes of the Conference

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|---------------------------------|---------------------------------|
| ★ Microbial Biotechnology | ★ Pharmacology |
| ★ Molecular Medicine | ★ Computational Biology |
| ★ Genomics and Proteomics | ★ Plant-Microbe Interactions |
| ★ System Biology | ★ Marine Biology |
| ★ Cardiovascular Diseases | ★ Agri-Food Biotechnology |
| ★ Cancer Biology | ★ Ayurvedic Biology |
| ★ RNA Biology | ★ Probiotics & Health |
| ★ Stem Cell Biology | ★ Nanomedicine |
| ★ Immunogenetics & Therapeutics | ★ Bioenergy & Alternative fuels |

Other than Major thrust areas, submissions on innovation in biotechnology related abstract are also encouraged.

Abstract Submission

Abstracts are invited from authors for their original work (not considered for publication elsewhere). Abstract to be submitted in Times New Roman, Font size 12, not exceeding 250 words, with 1.5 line spacing, with not more than 5 key words with Title in capitals of 14 font size, bold with affiliation of the authors, e-mail id of corresponding author on or before **March 20, 2023** through mail **ncbsah2023@gmail.com**

Oral Presentation

The authors are requested to limit their oral presentation to 10 minutes (7 minutes to present and 3 minutes for discussion). Best three Oral presentation will be awarded.

Poster Presentation

There will be a poster session on both the days of Conference. Authors presenting posters are requested to be available for interaction during poster session. The poster should be readable from 5 feet distance, with clear figures and tables. Poster size should be about 1m x 1 m. Best three Poster presentation will be awarded.

Registration fee:

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|------------------|------------|
| Faculties | Rs. 500 /- |
| Research Scholar | Rs. 250 /- |
| UG/PG Students | Rs. 250 /- |

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