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AS ACCREDITED BY
KONERU LAKSHMAIAH
EDUCATION FOUNDATION
(Deemed to be University Act, No.3 of 1986 Act 1986)

International Conference on Current Sustainable Agricultural, Biotechnological, Nutritional and Pharmaceutical Interventions to Combat Global Challenges

(SABINP-2023)

19-21 December, 2023

Jointly organized by
College of Agriculture
College of Pharmacy
Department of Biotechnology
Department of Food Technology
Department of Chemistry

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Organizing Secretary:
Prof. K. Shrinivasulu, Head, Department of Food Technology, KLEF

In association with Association of Biotechnology and Pharmacy

About KLEF

The Koneru Lakshmaiah Charities was established as a trust in the year 1990 with its official address at Museum road, Gorrivortop, Vijayawada, Andhra Pradesh 520 002 and started KL College of Engineering in the Academic year 1990-91 which was upgraded to KL College of Engineering Autonomous in 2006 by UGC, and was declared as a Deemed to be University in 2009 by UGC, MHRD Govt of India. In 2012 as a Deemed to be University the institution was accredited by NAAC with A Grade and later in 2016, was re-accredited by NAAC with A++ grade. In 2019 UGC, MHRD declared this institution as Category I Institution.

The Department of Biotechnology was established in 2002, and is sponsored by DST-FIST, ICMR, UGC, DBT and DST-TBI with research grants worth Rs. 23 crores. College of Pharmacy was established in 2016 is PCI approved and has collaborations with NIPER, AIIMS and NRI Medical College. College of Agriculture was established in 2020 following ANSRAU syllabus approved by ICAR and supported by DST-STI grant for Digitalized Agriculture @A&ML and IoT. The Department of Food Technology established in 2022 following IIT and NIFTM model syllabus is about to flourish in near future in coordination with the other life science streams in campus and also with the industry. The life science streams at KLEF possess laboratory facilities equipped with sophisticated instruments like SEM, XRD, HPLC, FT-IR, RT-PCR, ELISA, LC-MS, GC-MS, Mass Spectrophotometry and Bioreactors.

About ABAP

The Association of Biotechnology and Pharmacy (ABAP) is a forum for scientists to come together to discuss and find scientific solutions to the problems of society. The annual meetings will help the members to share their knowledge and publish their research knowledge particularly by members and fellows of the Association. The association plans to organize symposia, seminars and workshops on current developments of biotechnology and Pharmacy particularly on the subject of current scientific interest.

Scope and Objectives

The International Conference on Current Sustainable Agricultural, Biotechnological, Nutritional and Pharmaceutical Interventions to combat global challenges is certainly, a complex topic that covers a broad range of disciplines. It aims to bring together experts, researchers, scholars, and practitioners from various fields related to agriculture, biotechnology, food science, chemistry, and pharmaceutical science. The conference provides a platform for participants to share their latest research findings, exchange knowledge, and discuss the recent trends and advancements in these domains. Throughout the conference, it would be valuable to integrate discussions of social, economic, and environmental justice, considering how these sustainable interventions can be made accessible and beneficial for all communities. Sustainable Agriculture: Given the increasing concern for food security and environmental sustainability, the conference may address the latest practices and technologies in sustainable farming, precision agriculture, climate-smart agriculture, and permaculture. Discussions might include the use of renewable energy in agriculture, water management, crop diversity, and soil conservation.

Key objectives of the conference include:

- Knowledge exchange: Participants can present their research papers, case studies, and innovative ideas to share their findings and advancements with the academic and professional community.
- Networking: The conference offers an opportunity for attendees to establish connections with experts and peers from different parts of the world, fostering collaborations and partnerships.
- Educational insights: Workshops, keynote speeches, and panel discussions conducted by eminent personalities can provide valuable insights and knowledge updates in the respective fields.
- Collaboration opportunities: Academicians, researchers, and industry professionals can explore potential collaborations and partnerships to address challenges in agriculture, biotechnology, food science, chemistry, and pharmaceutical science.
- Relevance to human welfare: Emphasizing the importance of research in these fields to benefit human well-being, the conference focuses on how the latest trends and developments can contribute to improving human life and global welfare.

Participants may include researchers, academicians, scientists, industry professionals, policymakers, and students who are interested in contributing to and staying updated with the latest developments in these fields. Overall, the International Conference on Current Sustainable Agricultural, Biotechnological, Nutritional, and Pharmaceutical Interventions to combat global challenges serves as a dynamic platform for knowledge dissemination and fostering collaborations to address global challenges and improve human welfare through scientific advancements.

The conference is likely to cover a broad range of topics, such as:

Sustainable Agricultural Practices:

Innovations in Precision Agriculture
Climate-Smart Agriculture
Regenerative Agriculture & Soil Health
Circular Agriculture & Resource Efficiency
The Role of Agriculture in Global Carbon Sequestration

Biotechnological Advances:

Applications of CRISPR in Agriculture and Medicine
Synthetic Biology and Bioengineering for Sustainable Development
Advances in Genomic Research
Biotechnology in Waste Management and Biofuels Production

Nutritional Interventions:

Food Systems for Improved Nutrition
Addressing Malnutrition in all its Forms: Overnutrition and Undernutrition
Nutrigenomics: The Role of Genomics in Personalized Nutrition
Nutrient-Fortified and Biofortified Foods

Pharmaceutical Interventions:

Personalized Medicine and Pharmacogenomics
Novel Vaccination Strategies and Global Health
Addressing Antimicrobial Resistance
Drug Discovery and Development for Neglected Diseases

Cross-Cutting Themes:

Global Health and Climate Change: The Interplay
The Role of Digital Technology in Agriculture, Nutrition, and Healthcare
Food Security and Climate Resilience
One Health Approach: Interconnectedness of Human, Animal, and Environmental Health
These themes should generate insightful discussions and meaningful outcomes for the conference participants.

Submission of Abstracts

Abstracts (200-350 words) related to the above areas are invited through email only (sabino2023@gmail.com) in MS word format. Abstracts submitted for competitive session should specify under which category it is being submitted and with below 30 years category, need to submit the date of birth certificate. Acceptance of the submissions for presentation will be communicated to the authors within two weeks after the submission. An official letter of invitation will be sent to foreign delegates for obtaining visa and attend the conference.

Important Dates to Remember

Abstract submission last date : November 15, 2023
Acceptance of abstract : December 05, 2023
Registration last date : December 05, 2023

Invitation of Nominations to 2023-ABAP Awards

The Association of Biotechnology and Pharmacy invites nominations for the following awards from the eligible talented people with proven track record and achievements on or before September 30, 2023 in the prescribed format.

1. Life-time Achievement Award in Biotechnology, for the outstanding Scientist in the field of Biotechnology and related areas of Biology.
2. Life-time Achievement Award in Pharmacy, for the outstanding Scientist in the field of Pharmacy and its related areas.
3. Talented Industrial Biotechnologist Award (Prathists Industries Limited Memorial Gold Medal established by Districts Research and Development Center, Hyd, India), for outstanding young Scientist or Technocrat in the field of Industrial Biotechnology whose research having industrial relevance.
4. ABAP Gold Medal for Advanced Research in Nanoscience and Technology (Sri.C.L. Narasamma Rao, Hyderabad, India Gold Medal), for outstanding Scientist in the field of Nanoscience and Technology.

Gold Medals and Scientist Awards

- 1) ABAP - Young Scientist A wards - 3 Nos -1 Gold Medal + 2 A wards (Below 30 years category)
- 2) ABAP - Young Scientist A wards - 3 Nos -1 Gold Medal + 2 A wards (Above 30 years category)
- 3) ABAP - Junior Scientist A wards - 5 Nos (For UG, PG students and scholars - Poster presentation)

The nominations will be scrutinized and assessed by the duly constituted committee for all the awards. The winners of the award have to personally participate compulsorily in the 17th Annual Convention of Association of Biotechnology and Pharmacy and International Conference being held at K L University, Vaddeswaram, Guntur Dt., Andhra Pradesh, India, during 19-21 December, 2023 and need to give a talk on their research findings during the Annual Convention. If they fail to attend the meeting, the award will be withdrawn. For details of Annual Convention, contact Prof.K. Shrinivastu, HoD Food Technology, K L University, Vaddeswaram, Guntur dt. India (sabino2023@gmail.com). The format of ABAP-2023 awards application can be downloaded from the website of association (www.abap.co.in). The application for nomination should reach through email to Prof. GGurusubramanian, Dept. of Zoology, Mizoram University, Aizawl, Mizoram, India (gurusubraman@gmail.com) on or before September 30, 2023.

Proceedings of the Conference

Accepted full abstract and papers will be published in proceedings of the conference. Selected papers will be published in a Scopus indexed journal.

Registration Fee:

Registration Fee to be paid in favour of K L University, Account number: 62275957656, State Bank of India, Vaddeswaram Branch, and IFSC CODE: SBIN0023561

Registration fee	Rs. 1000/-
For Accompanying persons (Without conference material)	Rs. 750/-
For Foreign delegates	US \$ 50

Awards presentation

Winners will be announced on the final day of the conference and awards will be presented at the valedictory function. The candidate's presence is required to receive the award; if the presenting author is not, the Principal Investigator, mentor (research supervisor) will be requested to accompany him/her to receive the award.

Young Scientist Awards Competition

Researchers below 30 years of age (proof of age required) and above 35 years are eligible to participate in the oral presentation competition. Candidates will be given 10 minutes for their presentation including questions from participants.

Poster Presentations

There is no age limit for the poster presentation. The poster may have multiple authors but only presenting author will be allowed at the poster for the competition.

How to reach K L Deemed to be University

K L Deemed to be University is located in between Vijayawada and Guntur cities of Andhra Pradesh (11 kms away from Vijayawada) and (32 kms away from Guntur). Vijayawada is the new capital city of Andhra Pradesh situated on the banks of river Krishna and well connected by air, train and bus. The nearest airport is Vijayawada (28 kms) and Hyderabad (290 kms). The nearest rail and bus station is Vijayawada (10 kms) and Guntur (32 kms).