International Conference on

FRONTIERS IN SUSTAINABLE AGRICULTURE AND BIOLOGICAL SCIENCES (FSABS - 2020)

(March 16 & 17, 2020)

Organised by

Department of Botany

School of Life Sciences

PERIYAR UNIVERSITY

(NAAC 'A' Grade – State University – NIRF Rank 68)

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About the University

The Government of Tamil Nadu established the Periyar University at Salem on 17th September 1997 as per the provisions of the Periyar University Act, 1997. The University covers the area comprising the districts of Salem, Namakkal, Dharmapuri and Krishnagiri. The University got the 12(B) and 2f status from the University Grants Commission and has been reaccredited to 'A' grade by NAAC. The University is named after the Great Social Reformer E.V. Ramasamy affectionally called 'Thanthai Periyar'. The University aims at developing knowledge in various fields to realize the maxim inscribed in the logo "Arival Vilayum Ulagu" (Wisdom Maketh World)." Holistic development of the students" is the primary objective of the esteemed Periyar University. The University is located on the National Highway (NH7) towards Bangalore at about 8 Kms from New Bus Stand, Salem. There are 6 Schools and 28 Departments in the University, actively engaging teaching and research with international collaborations.

About the Department

Our mission is to discover, maintain and transmit the knowledge concerning basic plant biology and provide leadership in the biological sciences. The department is catering postgraduate, M.Phil. and Ph.D. programmes. The laboratory provides good infrastructure facilities to enable the students to carry out projects and acquire expertise in handling the instruments. The department has several research projects in the field of Cytogenetics, Phytochemistry and Pharmacognosy funded by UGC and DST SERB and conducts the INSPIRE Internship Science Camp for School students funded by DST.

About the Conference

Sustainable use of agriculture will optimize the skills and use of technology to achieve long-term stability of agricultural enterprise, environmental protection, and consumer safety. Sustainable agriculture and environment could be achieved through management strategies which help the producer select hybrids and varieties of crops, soil conserving cultural practices, soil fertility programs, crop rotation, weed, pest and disease management programs, strategic use of animal and green manures and use of natural or synthetic inputs in a way that poses no significant hazard to human beings, animals, nor the environment. Sustainable agriculture incorporates healthy environment and economic profitability along with providing food needs to the society. The Food and Agricultural Organization reported that more than half of the water sources were used for irrigation in the world. Therefore, water demand could further affect the amount of water utilization in agricultural sectors. This may cause water crisis. To deal with this potential water crisis, new water management approaches and strategies are required for all sectors, in particular, the agricultural sector.

Traditional business models focusing on the centralization and largescale production of the food products are increasingly being challenged due to the emerging demand for authentic local products and consumer concerns for the sustainable food systems. Hence, sustainable agriculture would contribute to all four pillars of food security – availability, access, utilization and stability in a manner that is environmentally, economically and socially responsible over time. Application of new technologies helps to increase the sustainable usage of water sources in agriculture which will enable higher crop production. Excess utilization of fertilizers and pesticides causes contamination of surface groundwater sources. Therefore, necessary sustainable steps should be taken to handle all these issues.

Aim of FSABS - 2020

The main scope of this International Conference is to invite the experts to discuss the projects and applications on sustainable development in agriculture and biological Sciences. The major thrust areas include interaction between agriculture and environment, social and economic aspects of environment, biology and agriculture, using biology to tackle environmental & agricultural concerns, sustainable development, tropical agriculture, biodiversity, biotechnology, horticulture, plants, animal production, climate change, environment, local ecological knowledge, water management, soil conservation, agriculture social economics, (Integrated Pest Management), integrated agriculture management, food security and other related agriculture and environment issues.

Thrust Areas

- Agronomy
- Food Science & Technology
- Biodiversity & Conservation
- Biotic & Abiotic Stress Tolerance
- Environmental Biology
- Crop Breeding With Biotechnological Tools, Genetic Engineering
- Climate Change Impacts on Agriculture
- Drought Management
- Plant Disease & Pest Management
- Plant Growth Regulator
- Plant Growth Microbial Interaction
- Soil Health & Mitigation, Plant And Animal Health,
- Integrated Disease & Pest Management
- Natural Agro-Farming & Technology
- Renewable Energy for Sustainability of Industries & Environment
- Climate Smart Agriculture
- Microbial Technology
- Nanotechnology
- Ethnobotany & Phytochemistry

Call for Abstracts

The abstracts are invited for Oral & Poster Presentation (3 feet (90 cm) wide x 4 feet (120 cm) high). The participants are suggested to submit abstracts (250 words) in Times New Roman (12pt) on or before March 2, 2020 through mail (fsabs2020@gmail.com)

Category	On or before 15th February 2020	Spot Registration
Indian Faculty / Other	INR 1500	INR 1800
Indian Students / Scholars	INR 1000	INR 1200
Overseas Delegates	150 USD	180 USD
Overseas Students / Scholars	60 USD	80 USD

Payment of Registration Fee :

a. Payment could be made "Online" through NEFT / RTGS / IMPS/ UPI

Bank Name : **Canara Bank** Account Holder's Name : **Organising Secretary–FSABS-2020**
Branch : **Salem Periyar University** Account No : **8450101007235**
IFSC Code : **CNRB0008450** Swift Code : **CNRBINBBSLM**

b. Offline payment could be made through Demand draft (Nationalized Bank) in favour of **Organising Secretary – FSABS -2020 payable at Salem along with duly filled - in Registration Form and Abstract.**

Nearest Airports

Trichy (TRZ) – 98 miles (https://www.aai.aero/en/airports/tiruchirapalli)
Coimbatore (CJB) -100miles (https://www.aai.aero/en/airports/coimbatore)
Bangalore (BLR) 139 miles (http://www.bengaluruairport.com/)
Nearest Railway Station : Salem Junction (SA) – 5 miles

IMPORTANT DATES

Last Date for submission of Abstract : 20th February 2020 Last Date for acceptance of Abstract : 28th February 2020
Submission of Full paper in Proceedings : After Conference
Accommodation for delegates can be booked on request around Salem city (https://www.booking.com/city/in/salem). Request may be sent through e-mail in advance to **info@fsabs2020conference.com / fsabs2020@gmail.com**

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