



National Symposium
on
SUGARCANE MECHANISATION - CHALLENGES AND OPPORTUNITIES
(Sugarmech - 2017)

March 17-18, 2017



ORGANISED BY
Bannari Amman Institute of Technology (BIT) and Bannari Amman Sugars Limited
Sathyamangalam-638401, Tamil Nadu

in collaboration with
Tamil Nadu Agricultural University, Coimbatore,
ICAR-Sugarcane Breeding Institute, Coimbatore,
ICAR - Central Institute of Agricultural Engineering Regional Centre, Coimbatore, and
Society for Sugarcane Research & Development, Coimbatore

SPONSORED BY
Indian Council of Agricultural Research (ICAR)
New Delhi



INTRODUCTION

National symposium Sugarcane Mechanisation- Challenges and Opportunities (Sugarmech – 2017) is organized by Bannari Amman Institute of Technology and Bannari Amman Sugars, Sathyamangalam-638401 in collaboration with ICAR - Sugarcane Breeding Institute, Coimbatore, ICAR - Central Institute of Agricultural Engineering, Regional Centre, Coimbatore and Tamil Nadu Agricultural University with financial support from Indian Council of Agricultural Research (ICAR).

Sugarcane is labour intensive crop requiring about 3300 man-hrs per ha for different operations. Considering the present trend of availability of labour for sugarcane production, it has been experienced that the use of modern machinery is inevitable. In India considerable R & D work for design and development of agricultural implements and machinery for few operations have been developed. However the adoptions of these implements and machinery have not been up to the desired level. Thus there is a considerable mechanization gap, especially in the area of sugarcane planting, interculture, plant protection, harvesting and ratoon management. Therefore it is necessary that concentrated efforts be made for adoption, development and popularization of sugarcane machinery for various operations. Moreover, in the present context of globalisation, ways and means have to be further explored to produce more sugar per unit area, time and input. This will keep pace with the population growth while preserving the soil and water resources. The twin challenges of increasing the productivity and inculcating cost efficiency in sugarcane production system can be met effectively by adopting the appropriate mechanical alternatives alone. The proposed National symposium will bring together all the stakeholders involved in sugar industry, viz., the scientists, machinery manufacturers, extension functionaries, sugar mills, policy makers and the last but not the least- the sugarcane farmers. This will channelize our efforts to bring in the necessary impetus to sugarcane mechanization per se.

MAJOR SUB THEMES

- I. **Sugarcane Mechanization**
 - **Planting and Interculture**
 - **Sub Surface Mechanised Irrigation**
 - **Harvesting**
 - **Ratoon management**
 - **Post harvest Management**
- II. **General Farm Mechanization**
- III. **Industry – Academia Interaction**
- IV. **Field Visit and demonstration**

GUIDELINES FOR PAPER SUBMISSION

Intending participants are requested to send an abstract of around 300 words containing objectives, research methodology and major findings of the study to organizing secretary by email to sugarmech2017@bitsathy.ac.in / ranghaswami@bitsathy.ac.in. The abstract should include keywords, full address and e-mail ID of the corresponding author. There will be oral and poster sessions for each theme. The acceptance of the abstracts will be intimated to the author through e-mail and then the authors can send the complete full length paper to the Organizing Secretary. The full papers are ideally required to be within 6000 to 8000 words typed in 12-pt font (Times New Roman) with 1.5- spacing and margin of 1" on top, bottom, left and right. Submission of paper by e-mail is preferred. However, full texts of accepted papers are required to be sent to the Organizing Secretary in both hard and soft copy in MS Word.

IMPORTANT DATES

Deadline for receipt of Abstracts	: 25th February, 2017
Notification of Acceptance and submission of full papers	: 26th February, 2017 - 5th March, 2017.
Symposium Dates	: 17th and 18th March, 2017

REGISTRATION FEE

Delegates from Industry and R&D / Faculty / Professors, Scientists	: Rs.2000.00
Research Scholars/ Ph. D Scholars	: Rs.1000.00
Students	: Rs. 500.00

WHO SHOULD ATTEND THIS NATIONAL SYMPOSIUM?

Educational and NRM Institutes, Sugar Industries, Faculty/Professors, Scientists and Researchers, Ph. D. Scholars, PG Students of Central & State Agricultural & Technical Universities, Senior and Junior Level Officers, Equipment Manufacturers and Soil and Water Lab Testing Services and Technology Providers, Representative of Private Sectors Involved in Manufacturing and Handling of Micro Irrigation, Consultants, Funding Agencies, Trainers, Technology/service Providers, Engineering and Monitoring Services Providers, Environment and Production Personnel and Officers from State Department of Agriculture.

ACCOMMODATION AND TRAVEL

Limited accommodation is available in the BIT guest houses and the hostels. On request, the organizers will arrange for reservation of accommodation to the participants. The delegates are requested to intimate their mode of travel and type of accommodation required.

HOST ORGANISATION

Bannari Amman Institute of Technology (BIT), one of the finest institutions of technical learning in India, was started with the singular objective of disseminating technical knowledge among the youth by bringing top-of-the-line technical education on par with global standards to the rural community in Southern India. Nestled on the banks of the river Bhavani, BIT campus is free from the odds of city campus and provides environment for natural learning in harmony. It is 180 acres with a built up area of 27 lakh sq.ft green campus. It is a 24x7 WiFi enabled campus with a RFID enabled state of the art Learning Center built in 85000 sq.ft area on par with international standards. It offers 4 year under graduate engineering degree programmes in 15 disciplines including Agricultural Engineering and 15 Post graduate programmes. The Department of Agricultural Engineering is equipped with state of the art facilities including a Mechanised Farm and a Machinery Training Center to train students and farmers.

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Name : -----
Designation : -----
Sex: M/F : -----
Organisation : -----
Mailing Address : -----

Fax : ----- e-mail: -----
Accompanying Person : -----
Whether presenting a paper : Yes/No
Title of Paper with authors : -----

Whether participating in the Exhibition : Yes/No
Name of Organization : -----

Particulars of Registration Fee

Registration fees paid in the form of cash/ Cheque /DD

Amount Rs. ----- (in words)-----

D.D.No. ----- Date: ----- Bank: -----

Signature of Participant

MODE OF PAYMENT

Payment through Cheque / Demand draft drawn in favour of the "Principal, BIT, Sathyamangalam, TamilNadu"

For Electronic Transfer

Name of the Bank : Axis Bank, Branch code - 0368

Account No. : 911010036862582 MICR : 638211402

IFSC Code for RTGS/NEFT : UTIB0000368

ADDRESS FOR CORRESPONDENCE

Dr. M. V. RANGHASWAMI, Dean (Agrl.Engg)

Organising Secretary (Sugarmech-2017),
Bannari Amman Institute of Technology,
Sathyamangalam-638401.

Phone: +91-4295 226482

Mobile: +91-9487013678

Email: sugarmech2017@bitsathy.ac.in

ranghaswami@bitsathy.ac.in

Dr S. JACOB K.ANNAMALAI, Principal Scientist & Head,

Co organising Secretary (Sugarmech-2017)

ICAR-CIAE-RC, Coimbatore-641007

Phone: +91-422 2472623

Mobile:+91-9443934390

Email: sjackanna@gmail.com

naikravindra@gmail.com