



## ICAR-CIRCOT inks MoU for development of microbial inoculum

\* Dr. S. K. Shukla, Director, ICAR-CIRCOT, Mumbai signed an MoU with Mr. G. T. Gadekar, Director, M/s. Relegare Agro Life Bio Science Private Limited, Ahmednagar on March 21, 2024 for development of microbial inoculum that can boost the degradation of agro residues under field conditions. Former Directors, Dr. S. Sreenivasan and Dr. A. J. Shaikh, Heads of Divisions and Technology Innovators Dr. Ajinath Dukare, Dr. A. K. Bharimalla, Dr. N. Vigneshwari were present during this occasion.



## ICAR-CIRCOT Centenary Lecture Series

\* The third lecture in this series was organized on March 14, 2024 in the Conference Hall of ICAR-CIRCOT. It was delivered by Dr. Jagadeesh Sunkad, Independent Consultant and Director, Kanakadhara Agricultural Innovations Private Limited, Bengaluru on “*Pragmatic Approaches to Become a Successful Startup*”. He emphasized on 3 elements of building a winning startup culture i.e. Egoless, Cohesive, and Listening to the market/customer.



## Sensitization Workshop on IPR

• As a part of its centenary celebration, ICAR-Central Institute for Research on Cotton Technology, Mumbai organized a Sensitization Workshop on “Role of Intellectual Property in Business: Patent, Trademark and Copyright”. The workshop was designed by Institute Technology Management Unit (ITMU) and Agribusiness Incubation Centre (ABIC) of the Institute. The Guest speaker, Mr. Ashutosh Prachand, IP Expert, KnottyIP, Pune gave a brilliant presentation on “Role of Intellectual Property in Business: Patent, Trademark and Copyright”. Dr. Vikram Singh, Senior Scientist, IP & TM unit, ICAR, New Delhi deliberated on IPR portfolio management, its impact on agriculture research, and the role of IP & TM unit in sensitization of IP in the institutes..



## Patent Granted

\* Patent on ‘Profiled Multi-Pin Electrospinning for Nanofibre Production and Encapsulation of Nanoparticle into Nanofibres’ has been granted on 15-03-2024 (Patent No. 526907) [Inventor: Dr. G. T. V. Prabu]



## Training on ‘Composite Materials and its Application’

• ICAR-CIRCOT organized a three-day training programme on ‘Composite Materials and its Applications’ during March 6 to 8, 2024. The programme attracted 10 participants, including faculties, research scholars and industry professionals from various parts of India. The training course encompassed fundamental and advanced aspects of fiber-reinforced composite production, featuring invited lectures by expert speakers. Additionally, participants had the opportunity to visit the Indian Rubber Manufacturers Research Association (IRMRA) in Thane, Mumbai, to gain insights into rubber composite production and characterization techniques..



## Human Resource Development



- Dr. A. S. M. Raja attended a 2-day training on "Quality & Trade Matters" on March 06-07, 2024 organized by Cotton Association of India, Mumbai and an one day refresher training by NABL on Good Assessment practices on March 15, 2024 at Mumbai.
- Specialized training programme on Physical and Mental Health Management was organized for 20 staff of the Institute during March 26-27, 2024

## Skill Development Activities



- Training programme for FPO, Wardha Dist. on "Post-Harvest Management of Cotton and value addition to its by-produce" was organized during February 27-29, 2024. Total 23 participants attended the programme.
- Training programme under SCSP on "Double Roller Gin Settings and its Maintenance" was conducted during March 11-13, 2024. Total 40 participants including 15 females attended.
- Training programme under SCSP on "Gin Settings and its Maintenance" was organized during March 19-20, 2024. Total 41 participants including 14 females attended.
- Training programme on "Smart Textiles and its Evaluation" was organized during March 18-20, 2024 under SCSP scheme. 13 participants of which 10 females attended this programme.

## New Facilities & Initiatives



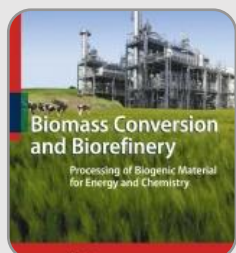
- Cone winding machine with splicer and yarn fault classification system was installed in the Institute.
- Dr. N. Vigneshwaran with his team initiated a consultancy project on "Production of Nanocellulose from Algae" sponsored by M/s. Reliance Industries Ltd., for a period of six months, starting from April 2024.

## Outreach Activities



- \* Dr. Sheshrao Kautkar and Dr. Manoj Mahawar, visited M/s BBC ginning industry, Selu for building possible research collaborations with the industries and also interacted with potential agri business startups of Selu on March 15, 2024.
- \* CIRCOT R-ABI participated in Agro Organic MSME Swadeshi Expo at NESCO, Goregaon, Mumbai during March 13-15, 2024.
- \* Ginning Training Centre, Nagpur in association with ICAR-CICR, Nagpur organized a training cum awareness programme for ginning industry and farmers on 'Best Management Practices to Prevent Cotton Contamination and Preserve Fiber Quality', on March 05, 2024 at M/s Shivam Ginning and Pressing Factory, Village Gondimohgaon, Katol, Nagpur. About 75 farmers and personnel (including 5 females) from ginning and pressing industry participated in the programme.

## Publications



- Chaurasia, H., Arora, A., Raju, D., Marwaha, S., Chinnusamy, V., Jain, R., Ray, M., Sahoo, R.N., 2024. Identification of Paddy Stages from Images using Deep Learning. Journal of the Indian Society of Agricultural Statistics, 78(1), 9-34. NAAS: 4.85
- Subramaniam, Santhoshkumar, Kumutha Karunanandham, A. S. M. Raja, S. K. Shukla, and Sivakumar Uthandi. "EnZolv delignification of cotton spinning mill waste and optimization of process parameters using response surface methodology (RSM)." Biotechnology for Biofuels and Bioproducts 17, no. 1 (2024): 37. NAAS: 12.30
- Govindaraj, Oviya, Gopal Nellaiappan Olaganathan, Raja ASM, and Sivakumar Uthandi. "An eco-friendly EnZolv pretreatment optimization in banana fiber biomass using response surface methodology (RSM) and its structural characterization." Biomass Conversion and Biorefinery 14, no. 1 (2024): 1329-1342. NAAS: 10.00

# Glimpses of Activities



**ICAR-CIRCOT conduct awareness programme**

**Business Reporter**

ICAR-CIRCOT, Mumbai in association with ICAR-CICR, Nagpur organised a training cum awareness programme for ginning industry and farmers on March 5, 2024 at Shivam Ginning and Pressing Factory, village Gondimohgaon, Katol.

The programme was conducted as a part of CCI-CICR Pilot project entitled 'Awareness and extension services on best farm practices for cotton farmers to improve quality yield and sustainability'. Dr V G Arude, Principle Scientist, ICAR-CIRCOT, Mumbai, Dr G J Ramkrishna, Sr Scientist, ICAR-CICR, Nagpur, Dr K Pandiyan, Sr Scientist and Officer In-charge, GTC, ICAR-CIRCOT, Nagpur, and Dr Varsha Satankar, Scientist, GTC, Nagpur graced the occasion.

Dr Varsha Satankar, delivered the welcome address and provided an overview of the programme and briefed about the various fibre quality parameters. Dr G J Ramkrishna said, "Farmers should adopt best technologies and farm practices to improve cotton yield and sustainability".

Dr V G Arude, highlighted the best management practices to prevent cotton contamination and preserving fibre quality at ginning industry and farmer's field. Dr Pandiyan, discussed about the best farm practices while cotton picking, storage and transportation to avoid contamination. Akhilesh Masunkar, owner Shivam Ginning and Pressing Factory, Gondimohgaon, Katol appreciated the efforts made by the scientists in organising this training cum awareness programme.



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