



ICAR-CIRCOT

e-News



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Visit of ICAC Executive Director

Mr. Eric Trachtenberg, Executive Director, ICAC, Washington DC, USA along with Dr. C.D. Mayee, former Chairman, ASRB, visited Ginning Training Centre, ICAR-CIRCOT, Nagpur on Feb 19, 2025. Saplings were planted under *Tree Plantation Drive* by Mr. Eric Trachtenberg and Dr. C.D. Mayee. An Interaction meet with all GTC staff was organized on this occasion.



Farmers' Training at GTC, Nagpur (under SCSP scheme)

- (i) A three-day training programme on 'Cotton quality parameters and value addition to its by-produce' was conducted during February 20-22, 2025. Sixteen participants attended this training.
- (ii) A three-day training programme titled, 'Cotton quality parameters and Value addition to its By-produce' was conducted during February 24-25 & on February 27, 2025. Twenty participants attended this training.

Industry Interface

1. An online meeting with M/s. Fair Trade NAPP and ICAR-CIRCOT, Mumbai was arranged on February 07, 2025 for possible collaboration in certification aspects of organic cotton.
2. Dr. A S M Raja attended an online meeting with technical team of M/s. Materra India Ltd. on trash and contamination reduction in their cotton bales on February 13, 2025.
3. Dr. Manoj Kumar Mahawar & Dr. Seshrao Kautkar visited M/s. Kerone Engineering Solutions Ltd., Ambernath (Thane) on February 13, 2025 to explore the possibility of microwave drying of cottonseed.

Edited by: S.K. Shukla, N. Vigneshwaran, C. Sundaramoorthy, Bindu Venugopal & Anand Jadhav

Human Resource Development

1. Dr. Manoj Kumar and Dr. Kanika Sharma attended one day training cum Customer Event on 'Optimizing Lab Productivity with HPLC Best Practices and Empower Features', organized by WATERS at Mumbai on February 07, 2025.
2. Dr. G. Krishna Prasad participated in the session on 'Standards and Regulations in the Field of Textiles', organized by Bureau of India Standards (BIS) on February 14, 2025 at Bharat Mandapam, New Delhi, during the Bharat Tex event.
3. Dr. GTV Prabu, Nodal Officer, PME Cell attended the 6-day MDP training program on 'Priority Setting, Monitoring and Evaluation (PME) of Agricultural Research Projects', organized by NAARM, Hyderabad during February 17-22, 2025.
4. Dr. G. Krishna Prasad and Dr. T. Senthilkumar participated in the training program on 'Executive Development Program on Protective Textiles' from February 24-28, 2025 (online mode), organized by Indian Technical Textile Association (ITTA), Mumbai.
5. Dr. T. Senthilkumar attended the 'Orientation Workshop on Mission Karmayogi' organized by DARE/ICAR on February 27, 2025 at A.P. Shinde Symposium Hall, NASC Complex, New Delhi.



Training on 'Spectroscopic and Chromatographic Methods for Material Characterization'

A three-day training program on "Spectroscopic and Chromatographic Methods for Material Characterization" was organized at ICAR-CIRCOT, Mumbai during February 24 - 27, 2025. Twelve trainees including eight females participated in this programme.

Publications

1. Dukare, A., Sharma, K., Nehete, L., Dsouza, C, Vigneshwaran N, and Saxena S. (2025). Optimization of xylanase production by *Bacillus* sp. in submerged fermentation using cotton biomass as cost-effective feedstock and its potential application for bio-bleaching of cotton stalk pulp. *Biomass Conv. Bioref.* <https://doi.org/10.1007/s13399-025-06522-8>.
2. Suresh, S. S., Raja, D., Panneerselvam, R. G., Arputharaj, A., & Selvakumar, A. (2024). Design and development of a textile sensor for synergetic muscle action measurement. *Indian Journal of Fibre and Textile Research*. Vol. 24, No. 4.
3. V. G. Arude. (2025). Technological advancements and strategies for successful adoption of mechanisation in cotton harvesting and processing in India. *Journal of Cotton Research and Development*. Vol. 39 (1): 74-97.
4. Sonkusale, L., Kumar, V., and Chaurasia, H. (2025). Leveraging Text Mining to Analyze Climate Change Discourse and Trends: *A Computational Approach*. *Acta Scientific Agriculture*, 9(2), 110-117.

Book chapter published

1. Arora, A., Deb, C.K., Misra, T., Chaurasia, H., Marwaha, S., Parsad, R. (2025). Advancing Toward Sustainable Agriculture Through Artificial Intelligence: Case Studies in Indian Agriculture. In: Pathak, H., Lakra, W.S., Gopalakrishnan, A., and Bansal, K.C. (eds) *Advances in Agri-Food Systems*. Springer, Singapore, pp. 273-286, ISBN: 978-981-96-0758-7.

Awards

1. Dr. R. Pandiselvam won first prize (Oral presentation) for paper titled 'Transforming Cottonseed Oil into Eco-Conscious Hydrophobic Coatings: A Step towards Sustainable Packaging in a Circular Economy' (Co-Authors: Mukesh Onkar, A. Arputharaj, Sujata Saxena, Kirti Jalgaonkar), presented at the International Conference of Sustainable Food-Water-Energy-Mechanization-Nexus and Whole Grain (SWEMf Nexus 2025), during January 27-28, 2025 at the Agricultural Engineering College and Research Institute (AEC & RI), TNAU, Kumulur, Tamil Nadu.



Celebration of Chhatrapati Shivaji Maharaj Jayanti on Feb 19, 2025



Felicitation of participants of ICAR Sports Meet held at ICAR-CICR, Nagpur during Feb 1-4, 2025



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