



New Product Released



* Dr. Himanshu Pathak Secretary (DARE) & Director General (ICAR) released the newly developed BM wool camel (single hump) blended (70:30) light weight Jacket developed under CRP on Natural Fibre Project undertaken by ICAR-CSWRI, Avikanar during 27th Regional Committee Meeting VI held on November 3, 2023 at Avikanagar. Another product developed under the same project viz. Bharat Merino and double hump Camel Shawl (30:70) was also popularized during the meeting as memento for dignitaries. CRP on Natural Fibre (CRP-NF) is one of the platform projects approved under Agri-CRP by ICAR. ICAR-Central Institute for Research on Cotton Technology, Mumbai has been entrusted as Nodal Centre for executing CRP-NF project due to its vast experience and significant achievements in the research on natural fibres

MoUs Signed



* ICAR-CIRCOT signed MoU with M/s. The Cotton Corporation of India Limited (CCI), a Government of India Undertaking, on November 1, 2023 for undertaking contract research regarding incubation and technological mentoring for 'Evaluation and analysis of fibre quality and trash content of cotton samples of Fully Pressed (FP) Bales'

* ICAR-CIRCOT signed MoU with M/s. Forecast Agrotech Innovations Pvt. Ltd. on November 2, 2023 for development of Nanoformulation of rock phosphate for making phosphate rich organic manure and to carry out the required field trials

Patents



- **Granted:** Patent No. 449708 for Invention titled 'Quilt comforter and manufacturing method for same'. Date of grant is 05-09-2023. Inventors include Dr.D.B.Shakyawar, ICAR-NINFET, Dr. N. Shanmugam, ICAR-CIRCOT, & others
- **Filed:** Sheshrao Kautkar, S. K. Shukla, V. G. Arude, D. U. Patil, M. K. Sharma and P. G. Bhakte (2023) 'Novel One-Time Deep Grooved Chrome Leather Rollers Used In Cotton Ginning Industries'

Awareness Programmes



- Three Training Cum Awareness Programmes were conducted during the month of November 2023, under CCI-CICR Pilot Project titled 'Awareness and Extension Services on Best Farm Practices for Cotton Farmers to Improve Quality, Yield and Sustainability'
- An awareness cum demonstration programme on cotton quality and value addition to cotton by-produce was conducted at Village Ubali and Pipla, Tal Kalmeshwar, Nagpur on November 23, 2023 under Mera Gaon Mera Gourav. About 35 farmers attended the programme

International Visit



- Dr. Sujata Saxena, Principal Scientist & Head, CBPD attended the 24th Plenary meeting of the ISO/TC 38 'Textiles' and its subcommittees during October 29, 2023 to November 03, 2023 held at Seoul, Republic of Korea as leader of the Indian delegation from National Standardisation Body, BIS

Industry Interface Meet



- Ginning Training Centre, Nagpur participated and exhibited CIRCOT technologies in Agro vision organized at PDKV ground, Dabha, Nagpur during November 24-27, 2023
- Dr. ASM Raja, Head, QEID attended the 'Calibration cotton stake holders Meet' organised at ICAR-CICR, Nagpur on November 16, 2023 and presented the salient features of CIRCOT calibration cotton

Skill Development Activities



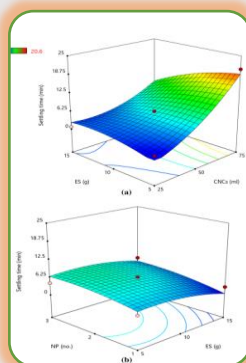
- ICAR-CIRCOT, Mumbai organized a five-day training programme on "Advances in Applications of Nanotechnology" during October 30 to November 03, 2023. This self-financed training programme was attended by eighteen participants, out of which twelve were female participants. Five participants were from industry & startups while thirteen were from academia
- Ginning Training Centre, Nagpur of ICAR-CIRCOT organized four training programmes for Lead Resources Persons (LRP) on 'Best Post-Harvest Management Practices for Production of Premium Cotton Bales under SMART Cotton' in the month of November 2023. Total 159 trainees from different locations such as Chandrapur, Wardha, Nagpur, Bhid, Parbhani, Jalgaon, Amravati, Akola, Buldhana, Jalna participated in the training programmes

Demonstrations



- Three Demonstrations on clean cotton picking were conducted at villages Telkamthee and Malegaon of Taluka Saoner and at Village-Bhadangi of Taluka, Kalmeshwar of Nagpur District. Demonstrations were carried out during November 8-9, 2023. Around 100 farmers participated in these three demonstrations
- Clean cotton picking kits were distributed to 13 project farmers belonging to Telkamthee and Malegaon village of Saoner Taluka of Nagpur district

Publications



- Mahawar M.K., Bharimalla A.K., Arputharaj A., Palkar J., Dhakane-Lad J., Jalgaonkar K., Vigneshwaran N. (2023). Response surface optimization of process parameters for preparation of cellulose nanocrystal stabilized nanosulphur suspension. *Scientific Reports*, 13(1), 20678
- Govindaraj O., Gopal N.O., Raja A. S. M. and Sivakumar U. (2023). Influence of Novel EnZolv Pretreatment on the Release of Reducing Sugar and Proximate Content of Banana Fiber. *Indian J Microbiol.* <https://doi.org/10.1007/s12088-023-01130-4>
- Malathi, V.M., Sharma, K., Jinu, J., Venkateswarlu, R., Deepa, M., Rohini, A. (2023). Phenolic phytochemicals from Sorghum, Millets and Pseudocereals and their role in Human Health. In: *Nutriomics of Millet crops*. Taylor and Francis.
- Sujata Saxena, (2023). 'Cotton plant Stalks: A valuable industrial raw material' In: Souvenir of the '*COTTON INDIA 2023-24*' Conference, organized by Cotton Association of India at Hyderabad during October 28-29, 2023

Glimpses of Activities



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