



Union Minister Shri. Shivraj Singh Chouhan visits ICAR-CIRCOT, Mumbai



* Shri. Shivraj Singh Chouhan, Hon'ble Union Minister for Agriculture and Farmers Welfare & Rural Development, and the President of the Indian Council of Agricultural Research visited ICAR-Central Institute for Research on Cotton Technology, Mumbai to review the ongoing research and development programmes on July 9, 2024. Shri. Chouhan visited the institute's Fibre testing lab, Weaving section, Mechanical processing division, Nanocellulose pilot plant, Advanced material lab, ICPMS & Kawabata facilities. Later, he interacted with the Agri-startups being supported by the Institute under the RKVY-RAFTAAR programme of the Ministry of Agriculture and Farmers Welfare. Dr. P. L. Patil, Vice Chancellor, UAS, Dharwad, Dr. K. Narsaiah, ADG (PE) ICAR and Dr. C. N. Ravishankar, Director, ICAR- CIFE Mumbai graced the occasion. A booklet on '*Glimpses of ICAR-CIRCOT 2024*' was released by the Chief Guest.

Technology Award bagged by ICAR-CIRCOT during 96th ICAR Foundation Day



* The 96th Foundation and Technology Day of ICAR held on July 16, 2024 was chaired by Shri. Shivraj Singh Chouhan, Union Minister for Agriculture and Farmers Welfare & Rural Development, Govt. of India. On this momentous occasion, the technology "*One-time Deep Groove Roller for Indian Ginneries*" developed by ICAR-CIRCOT was awarded the *top four technologies of the Engineering Division*, ICAR, New Delhi. This technology was developed by Dr. Sheshrao Kautkar, Dr. S. K. Shukla, Dr. V. G. Arude and Er. D. U. Patil. Besides, seven other technologies of the Institute were acknowledged and honoured with certificates. Moreover, a promising technology, "*Industrial Multilayer Woven Cut-Resistance Gloves*," developed by Dr. G. Krishna Prasad and his team was unveiled during the ceremony by the Hon'ble Minister. Dr. S. K. Shukla, Director, ICAR-CIRCOT, Mumbai, under whose visionary leadership the institute achieved this milestone, congratulated his team of scientists for remarkable success made for cotton stakeholders of the country.

MoU signed



- An MoU was signed between ICAR-CIRCOT, Mumbai and M/s. Bajaj Steel Industries Ltd. on July 22, 2024, for taking up Research and Development (R&D) work on the project titled “Refinement in heating and cottonseed conveying system of continuous flow cottonseed dryer”.

Skill Development Programmes



- Ginning Training Centre (GTC), Nagpur conducted two training programmes for Agricultural Officers on Cotton Value Chain under SMART Cotton Project of Govt. of Maharashtra during July 01 – 05, 2024 (20 participants) and July 08 – 12, 2024 (18 participants).
- Eight B.Tech (Agricultural Engg.) students from Dr. Budhajirao Mulik College of Agril. Engg. and Technology, Madki- Palwan affiliated to BSKKV, Dapoli had undergone one month training at the institute during July 01-31, 2024.

Awareness Programmes



- Ginning Training Centre (GTC), Nagpur conducted an awareness programme for the farmers in the village Masepathar, Nagpur about cultivation practices and post-harvest management practices of cotton under MGMG programme on July 19, 2024. About 25 farmers participated, of which 4 were female.
- In Aakashwani: Mumbai Asmita Channel, under Programme "Maaza Aawar, Maaza Shivar" interview of Dr. Prashant Deshmukh on topic “*Kapus Tantragyan Sanshodhan Sansthechi Shatabdi- Paanchvees Varshanchi Vaatchaal (1949-1974)*”, (in Marathi), which is a brief history of ICAR-CIRCOT during the 25 years (1949-1974) was broadcast on July 17, 2024

Awards & Accolades



- * In the 5th SEA-AICOSCA Cottonseed, Oil and Meal Conclave - 2024, held during July 12-13, 2024 at Ahmedabad, Dr. Kanika Sharma, Dr. Sujata Saxena and Dr. Manoj Kumar got the first prize in the Research category of N.K. Proteins Innovation Awards for the research work titled “*Blending as a strategy to improve the properties of cottonseed oil*”. Dr. D. M. Kadam, Ms. Shalaka Shirish Kalamnurikar, Dr. S. U. Khodke and Ms. S.S. Parab received second prize for research work titled, “*Effect of Infrared Pre-treatment on Deoiled Cotton Seed for Extraction of Protein to Develop Nutri Bar*”.

Publications



- Potkule, J. B., Kahar, S. P., Kumar, M., & Annature, U. S. (2024). Impact of non-thermal techniques on enzyme modifications for their applications in food. *International Journal of Biological Macromolecules*, 133566.
- Satankar, V., Jhodkar, D., Singh, M., Kumar, M., Mageshwaran, V., Palanisamy, S., Ayrilmis, N., Khan, T. (2024). Two-step process for gossypol reduction and protein enhancement in cottonseed kernel powder. *Biomass Conversion and Biorefinery*, 1-14, <https://doi.org/10.1007/s13399-024-05884-9>.
- Soni, S., Babel, R., Saxena, S., Arputharaj, A., Raja, A.S.M., & Srivastava, M. (2024). Enhancing Cotton Fabric Softness and Wrinkle Resistance through Optimized Formulation of Nano ZnO and Benzalkonium Chloride-Enriched Rinse-Cycle Softener. *Ecology, Environment. & Conservation.*, 30 (July Suppl. Issue), S431-S438.
- Murmu, S., Chaurasia, H., Samal, I., Bhoi, T. K., & Pradhan, A. K. (2024). Bioinformatics Approaches for Unraveling the Complexities of Plant Stress Physiology. In Jen-Tsung Chen (Ed.), *Bioinformatics for Plant Research and Crop Breeding*, 209-231. Wiley.

Glimpses of Activities



UPDATE (CIRCOT) Indian Express, 13-07-2024

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Shri. Shivraj Singh Chouhan, Hon'ble Union Minister for Agriculture and Farmers Welfare & Rural Development, and the President of the Indian Council of Agricultural Research visited ICAR-Central Institute for Research on Cotton Technology



(CIRCOT), Mumbai on 9th July 2024 to review the ongoing research and development programmes. Shri. Chouhan visited the institute's Fibre testing lab, Weaving section, Mechanical processing division, Nanocellulose pilot plant, Advanced material lab and ICPMS & Kawabata facilities. Later, he interacted with the Agri-startups being supported by the Institute under the RKVY-RAFTAAR programme of Ministry of Agriculture and Farmers Welfare. On the occasion of ICAR-CIRCOT's centenary year celebration, Shri. Chouhan congratulated all the staff of the institute for their outstanding contributions to cotton processing and value addition to cotton biomass, benefiting various stakeholders, including farmers. He also lauded the institute's efforts in developing innovative technologies and sustainable practices that have significantly improved the livelihoods of farmers and contributed to the agricultural sector.



कृषी मंत्री शिवराज सिंह चौहान यांच्या हस्ते

'सिरकॉट'चे कापूस जिनिंग उद्योगासाठीचे उपयुक्त प्री-ग्रूव्हड रोलर तंत्रज्ञान सन्मानित

प्रतिनिधी

■ मुंबई

भारतीय कृषि संशोधन परिषद (आईसीएआर)-केंद्रीय कापूस तंत्रज्ञान संशोधन संस्था (सिरकॉट), मुंबई ने भारतीय कापूस जिनिंग उद्योगासाठी उपयुक्त असे "वन-टाइम डीप ग्रूव रोलर (एकदाच खोल खाचे आकारलेला जिनिंग रोलर) तंत्रज्ञान" विकसित केले आहे. या नाविन्यपूर्ण संशोधनाला केंद्रीय कृषि आणि शेतकरी कल्याण आणि ग्रामीण विकास मंत्री शिवराज सिंह चौहान यांच्या हस्ते नुकतेच नवी दिल्ली येथे आयोजित भारतीय कृषि संशोधन परिषदेच्या ९६ व्या स्थापना आणि तंत्रज्ञान दिवस कार्यक्रमांमध्ये तंत्रज्ञान प्रमाणपत्र देऊन सन्मानित करून त्याचा राष्ट्रीय स्तरावर पुरस्कार करण्याचे जाहीर करण्यात आले

देशातील कापूस जिनिंग उद्योगांसाठी हे तंत्रज्ञान अतिशय फायदेशीर ठरणार आहे. जिनिंग



कार्यक्षमतेमध्ये सुधार करण्यासाठी डबल रोलर जिनिंग मशीनमध्ये वापरल्या जाणाऱ्या समान अंतराच्या एकदाच खोल खाचे असलेला नवीन रोलर या संशोधनांमध्ये विकसित केले गेले. संस्थेने या नवोपक्रमाच्या पेटंटसाठी अर्ज दाखल केला आहे. हे तंत्रज्ञान डॉ. हिमांशू पाठक, सचिव (कृषि संशोधन आणि शिक्षण विभाग) आणि महासंचालक (आईसीएआर) यांच्या हस्ते ३ डिसेंबर २०२४ रोजी मुंबई येथे आयोजित सिरकॉट च्या १०० व्या स्थापना दिनी जारी करण्यात आले होते. हे उपयुक्त

तंत्रज्ञान संस्थेचे शास्त्रज्ञ डॉ. शेषराव काऊतकर, डॉ. एस.के. शुक्ला, डॉ. वी. जी. अरुडे आणि श्री डी.यू. पाटिल यांच्या अथक परिश्रमाचे फलश्रुत आहे. डॉ. एस.के. शुक्ला, संचालक, आईसीएआर- सिरकॉट, मुंबई यांच्या दूरदर्शी नेतृत्वाखाली संस्थेने हे विशेष यश संपादन केले गेले. केंद्रीय कृषि मंत्री शिवराज सिंह चौहान आणि इतर मान्यवरांच्या हस्ते तंत्रज्ञान प्रमाणपत्र स्वीकारताना सिरकॉट संस्थेचे शास्त्रज्ञ डॉ. शेषराव काऊतकर आणि मुख्य तांत्रिक अधिकारी इंजी. डी. यु. पाटिल उपस्थित होते.

<https://epapervrittamanas.in/> 20-06-2024



Contact us:

Dr. S. K. Shukla

Director

ICAR-Central Institute for Research on Cotton Technology
Adenwala Road, Matunga, Mumbai 400019.

URL: <https://circot.icar.gov.in/>

Email: director.circot@icar.gov.in

Tel: 022-24146002