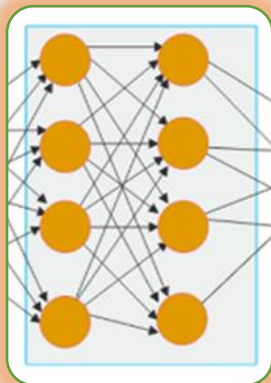




Technology of the Month



AI based prediction model for Highest Spinnable Count Index

ICAR-CIRCOT has Highest Spinnable Count Index (HSC) index, a single integrated value, to rank cottons grown in India. HSC index is calculated after spinning cotton to 2 counts namely under spun and over spun based on CIRCOT CSP standards and evaluating itslea strength. Machine learning is the key technology in artificial intelligence. Today, machine learning is able to pick up knowledge from examples and it is able to code implicit knowledge. Cotton fibre parameters namely UHML, strength, micronaire, elongation and uniformity were used in the development of machine learning models for predicting highest spinnable count. Important variables for determining the highest spinnable count of yarn is found to be UHML and fibre strength in both the models namely auttml and regression.

Collaboration



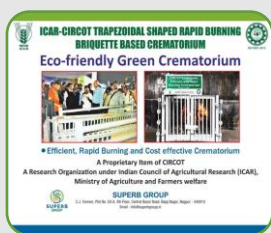
- MoU signed between ICAR-CIRCOT & M/s. Materra India Pvt Ltd., a plant-centric technology company working towards climate-resilient cotton agriculture regarding quality improvement and processing of cotton on 3rd March 2023
- MoA signed between ICAR-CIRCOT R-ABI and the Start-up, M/s Ocean farms (in the field of Seaweed Cultivation) on 28th February 2023

New Labs Inaugurated by DG, ICAR



•Dr. Himanshu Pathak, Secretary (DARE) & Director General (ICAR), visited ICAR – Central Institute for Research on Cotton Technology, Mumbai on 20th March 2023 and inaugurated the Advanced Biomass Characterization Laboratory, Nanoparticle Characterization Laboratory, and Cotton Fibre Processing Facility. Dr. Pathak also visited the existing infrastructural facilities of the Institute. During an interaction meeting with the scientists and technical staff of the Institute, Dr. Pathak appreciated the performance of the Institute in terms of sophisticated facility creation, technology development & licensing, revenue generation and incubation & start-up funding activities.

Technology Incubation / Demonstration



- Dr. Ashok Kumar Bharimalla, Dr. C. Sundarmoorthy and Dr. Jyoti Dhakane-Lad participated in the workshop on “Synergy of Innovation and Incubation in Agri Start-up Ecosystem’ on March 13, 2023, at NRC for Grapes, Pune jointly organized by ICAR-CIRCOT R-ABI Mumbai and ABI NRCG Pune, ABI, DOGR, Pune and DFR, Pune.
- Online expert lecture for ICAR-CIRCOT R-ABI agri-startups on “Digital media marketing: Facebook” by Dr. Ranjit Bijoor, Director (Asia & Middle East), British Learning was organized on 9th March 2023. It was attended by 40 participants.
- ICAR-CIRCOT Trapezoidal shaped rapid burning briquette based Crematorium Technology was showcased by M/s. Superb Group, Nagpur in 8th Smart City Expo during 27 - 29 March 2023, at Pragati Maidan, New Delhi.

Outreach Activities



- Ginning Training Centre (GTC) of ICAR-CIRCOT, Nagpur conducted a program under MGMG on 20th March 2023 to create awareness among the farmers on “Importance of timely harvesting and safe storage of cotton to maintain the quality, to avoid the losses and damage to crop due to unseasonal rain and storm”. Total three villages Mohpa, Masepathar and Ubali, Taluk Kalmeshwar, District Nagpur were covered.
- A group of 23 farmers from Institute of Horticultural Technology, Gujrat visited GTC of ICAR-CIRCOT, Nagpur on 14th March 2023. They were demonstrated the facilities available in the GTC

HRD



- Three days skill development programme on soft skills development for the Technical, Administrative and supporting staff of the institute was organized during 1-3 March 2023 for 26 staff.

Stakeholder Interaction



- Dr. S. K. Shukla, Director participated in ICAR-Industry Stakeholders Consultation Meet hosted by Agrinnovate India on March 6, 2023 at NASC Complex, New Delhi.
- Dr. S. K. Shukla and his team of Scientists interacted with Dr. Anuradha Misra, Group Senior Manager R&D, Advanced materials, M/s. Asian Paints Limited, Navi Mumbai on March 30, 2023 for possible collaboration in the field of application of ICAR-CIRCOT Nanocellulose in paint formulations.

International Event



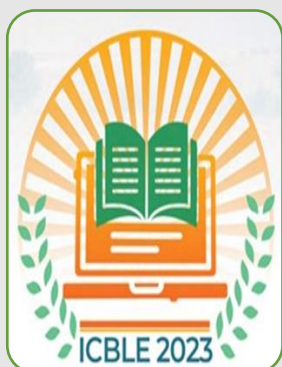
- Rubber based indoor pots developed using ICAR-CIRCOT technology is displayed in Melbourne International Flower and Garden Show, Australia during 27 March to 2 April, 2023 by www.shizenpots.com

Skill Development Programme



- Training programme on "Advanced characterization of cotton quality and its spinning & Dyeing performance" for SC beneficiaries was conducted during 13 - 15 March, 2023. There were 15 participants for the programme.

Conferences / Workshops Participation



- Dr. N. Shanmugam, Principal Scientist & Head I/c. MPD and Dr. N. Vigneshwaran, Principal Scientist attended the International Conference on “Blended Learning Ecosystem for Higher Education in Agriculture” organized by ICAR, New Delhi, during 21 - 23 March, 2023 in a hybrid mode.
- Dr Sujata Saxena, Principal Scientist & Head I/c CBPD, and Dr. A. Arputharaj Senior Scientist attended Regional Level Workshop on ‘Use of Biomass in Thermal Plants under National Mission Samarth’ organized by MAHAGENCO at Pune on 28th March 2023 and presented a paper on ‘Sustainable Crop Residue Management Solutions’.
- Dr. G. Krishna Prasad, Scientist, attended the 6th Meeting of Technical Textiles for Mobiltech Applications Sectional Committee, TXD 38, organised by BIS on 17th March 2023.
- Dr Sujata Saxena, Principal Scientist & Head I/c CBPD attended the Global Millets (Shree Anna) Conference held at New Delhi on 18 - 19 March 2023

कृषी स्टार्टअपसाठी २५ लाखांचे अनुदान

राष्ट्रीय कृषी विकास योजनेतर्गत केंद्र व राज्याचा अभिनव उपक्रम; ३१ मार्चपर्यंत ऑनलाईन अर्ज करता येणार

पुणे : पुढारी वृत्तसंघ
देशातील तरुण शिक्का रोतक्यांनी कृषीसाठी विविध कोषावधी प्रकरणांसाठी स्टार्टअप मुक्त केंद्रां असेल, या स्टार्टअपमध्ये काही तरी नवीन असेल; हा केंद्र व राज्य शासनच्या राष्ट्रीय कृषी विकास योजनेतील ५, िडिया २५ लाख यासाठी अनुदान देणारा आहे. यासाठी देण्या ३१ मार्चपर्यंतचे अर्जाने अर्जनातून अर्ज करणाऱ्यांचे आवाहन राष्ट्रीय कृषी विकास योजनेचे (रेनार) प्रमुख डॉ. अशोक कान्हेरकर यांनी केले आहे. राज्यातील विविध कृषी स्टार्टअपला प्रोत्साहन देण्यासाठी विविध कृषी संशोधन केंद्रांच्या वतीने चालविण्यात येत असलेल्या विविध इन्क्यूबेशन केंद्रांच्या वतीने एक निव्वेदीय कार्यक्रमाला मागील वेळीच राष्ट्रीय कृषी विकास केंद्र वेचे आवेगित करणारा आले होते. या वेळी डॉ. कान्हेरकर यांनी यावेळी विली.



राष्ट्रीय कृषी विकास केंद्र वेचे आवेगित एकदिवसीय कार्यशाळेत उपस्थित मान्यवर.

यासाठी कांदा व लघु संशोधन केंद्रांचे व्यवस्थापक डॉ. विजय महाजन, राष्ट्रीय कृषी संशोधन केंद्राचे व्यवस्थापक डॉ. कौशिक बॅनर्जी, भारतीय फ्लोरोप्युशन संशोधन आणि संशोधन व्यवस्थापक डॉ. के. पी. प्रसाद उपस्थित होते. या कार्यशाळेसाठी पुणे जिल्हातील अनेक नवीन-नवी कृषी स्टार्टअप मुक्त केंद्रे तयार, महिला, रोतकरी उपस्थित होत. देशातील युवक, बेरोजगार तरुणांना व रोतक-नांना प्रोत्साहन देण्यासाठी राष्ट्रीय कृषी विकास योजनेतून अर्ज करणे आणि विविध कृषी विकास केंद्रांच्या वतीने चालविण्यात येत असलेल्या अर्जित विविध इन्क्यूबेशन केंद्रांच्या वतीने अर्ज करणे याबाबतची माहिती देण्यात येते.

एकदा नवीन-नवी, अभिनव संशोधन करणाऱ्या, रोतक्यांनी करणाऱ्या कोषावधी प्रकरणांसाठी स्टार्टअप करणा-यांना ५, िडिया २५ लाखांचे अनुदान दिले जाते. राज्यात आतापर्यंत ४८ विविध प्रकरणांसाठी स्टार्टअपसाठी या योजनेतून अर्ज करणाऱ्यांना अर्ज करणे आणि अर्जित करणाऱ्यांना अर्ज करणाऱ्यांना अर्ज करणे याबाबतची माहिती देण्यात येते.

डॉ. विजय महाजन, व्यवस्थापक, कांदा व लघु संशोधन केंद्र

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Media Coverage



भारतीय कृषि अनुसंधान परिषद
Indian Council of Agricultural Research
(Ministry of Agriculture and Farmers Welfare)

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- Consortium for e-Resources in Agriculture
- ICAR Awards 2021

DG, ICAR inaugurates Advanced Biomass Characterization Laboratory, Nanoparticle Characterization Laboratory, and Cotton Fibre Processing Facility at ICAR-CIRCOT, Mumbai

20th March 2023, Mumbai

Dr. Himanshu Pathak, Secretary (DARE) & Director General (ICAR), visited ICAR – Central Institute for Research on Cotton Technology, Mumbai today and inaugurated the Advanced Biomass Characterization Laboratory, Nanoparticle Characterization Laboratory, and Cotton Fibre Processing Facility. Dr. Pathak also visited the existing infrastructural facilities of the Institute, viz., Fibre and Yarn Testing labs, Mechanical processing facility, and Nanocellulose Pilot Plant.

News

DG, ICAR inaugurates Advanced Biomass Characterization Laboratory, Nanoparticle Characterization...

भाऊ-अनुप के संस्थानों द्वारा श्री मल्लीनाथ पट्टु मेला एवं कृषि प्रदर्शनी का आयोजन

कृषि वामिकी राजदुर्गा द्वारा हारी में परधया (वैक्याथन) का आयोजन

Knowledge Initiatives

- KVK Portal
- MobileApp
- Agricultural Education Portal
- ICAR-e courses



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