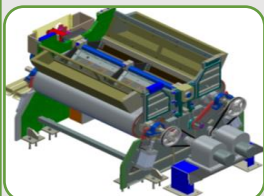




New Project Initiated



* A project titled 'Development of High Production Double Roller Gin for Enhancing Viability of the Cotton Ginning Industry' has been approved under the Core Research Grant of the *Anusandhan National Research Foundation (ANRF)*, supported by the Science and Engineering Research Board (SERB). The project, sanctioned for a three-year duration, has a total budget of ₹32.35 lakhs. Its primary objectives include designing and developing a high-production double roller gin with a focus on increasing the ginning roller diameter, optimizing the beater size, and incorporating a cottonseed metering device. Additionally, the project will assess the performance of the developed gin and evaluate its techno-economic feasibility.

Training to promote Kasturi Cotton



* The Ginning Training Centre (GTC), Nagpur, in collaboration with the Confederation of Indian Textile Industry (CITI) - Cotton Development and Research Association (CDRA), Mumbai, and The Cotton Textiles Export Promotion Council (TEXPROCIL), Mumbai, organized a one-day on-site training programme titled 'Best Cotton Picking and Post-Harvest Management Practices for the Production of Kasturi Quality Cotton' on November 28, 2024, at Seloo, Wardha. Dr. K. Pandiyan and Dr. Varsha Satankar from GTC, Nagpur, actively participated in the event. Approximately 150 farmers attended the programme, where they were provided cotton-picking bags and given hands-on demonstrations in the field to promote best practices for cotton picking and post-harvest management.

Demonstration / Awareness Programme



* Participated in the Global Soils Conference 2024 titled "*Caring Soils Beyond Food Security: Climate Change Mitigation & Ecosystem Services*" held from November 19-22, 2024, at the NASC Complex, New Delhi, and showcased ICAR-CIRCOT technologies.

* The Ginning Training Centre, Nagpur, represented ICAR-CIRCOT at Agrovision 2024, organized from November 22-25, 2024, at PDKV grounds, Dabha, Nagpur, displaying a range of ICAR-CIRCOT innovations

Vigilance Awareness Week



* The *Vigilance Awareness Week - 2024* was observed from October 28 to November 3, 2024, under the theme 'Culture of Integrity for Nation's Prosperity'. As part of the observance, a lecture on the same theme was delivered by Sh. Sudhir Dhanda, DSP in the Anti-Corruption Bureau branch of the Central Bureau of Investigation, Mumbai for all staff members on November 1, 2024.

Stakeholder Interactions



- Dr. Sheshrao Kautkar visited various cotton farms and ginning industries around Guntur, Andhra Pradesh and attended a meeting with the officials from handlooms & textile department, Government of Andhra Pradesh (AP), Mr. Ramisetty Murali, Executive Director, Modern Architects for Rural India (MARI) and CCI Branch Manager, Guntur, AP on October 29, 2024 to discuss about issues of cotton contamination in AP and to provide possible measures to mitigate the same.
- Dr. N. Vigneshwaran and Dr. Charlene D'Souza visited M/s. Reliance Industries Limited, Navi Mumbai on November 21, 2024 for discussion regarding the sponsored nanotechnology project.

Skill Development Programme



* A training programme on 'Advances in Applications of Nanotechnology' was organised during November 4-8, 2024. This self-financed training programme attracted fourteen participants, including three women. In addition to covering the fundamentals of nanomaterial synthesis and characterization, the programme addressed applications in cotton textiles, e-textiles, wound care, biocomposites, the food industry, environmental management, integrated pest management, and plant fertilizers.

Awards & Accolades

(1) Dr. S. K. Shukla was felicitated and bestowed the Professional Excellence Award 2024, by Cotton Research and Development Association (CRDA), at the International Conference on Innovative Technologies for Research and Development for Sustainable Production of Cotton, Oilseeds and Fibre Crops, organized by CRDA and CCS Haryana Agricultural University at ICAR-CCARI, Ela, Old Goa on November 13, 2024.

(2) Dr. Kirti Jalgaonkar, received “Young Woman Scientist Award” in “10th International Conference on “Recent Advances in Agriculture, Engineering, Applied and Life Sciences for Environmental Sustainability (RAAEALSES-2024)” organized by School of Agriculture, Uttaranchal University, Dehradun, Uttarakhand, India and Agro Environmental Development Society (AEDS), Majhra Ghat, Rampur, U.P., India, held during October 23-25, 2024 at Uttaranchal University, Dehradun, Uttarakhand, India.

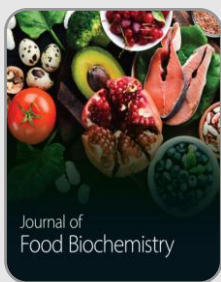
(3) Dr. G. Krishna Prasad, received Best oral paper presentation Award for presenting paper at the International Conference on “Innovative Technologies for Research and Development for Sustainable Production of Cotton, Oilseeds and Fibre Crops”, held at ICAR-CCARI, Ela, Old Goa during November 13-15, 2024.

(4) Dr Sheshrao Kautkar received Best Oral presentation Award for presenting paper during 58th ISAE convention & International Symposium on Agricultural Engineering Education for aspiring youth in Transforming Agriculture” held during November 12-14, 2024 at VNMKV, Parbhani, Maharashtra.

(5) Dr. P. S. Deshmukh was awarded "Scientist of The Year Award 2024" by the Pragati International Scientific Research Foundation, Meerut, in the 3rd International Conference on Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024), held during November 06-08, 2024 at ICAR-CIWA, Bhubaneswar, India.



Publications



(1) Guruswamy, Krishna Prasad., Thambiannan, S., Anthonysamy, A., Jalgaonkar, K., Dukare, A. S., Pandiselvam, R., & Jha, N. (2024). Coir Fibre-Reinforced Concrete for Enhanced Compressive Strength and Sustainability in Construction Applications. *Heliyon*.

(2) R. Pandiselvam, Rupa Krishnan, M. R. Manikantan*, Anjitha Jacob, S.V. Ramesh, Shameena Beegum (2024). Physicochemical Quality and Nutritional Properties of a Newly Developed Baked Coconut Chips, *Journal of Food Biochemistry*, Doi: <https://doi.org/10.1155/2024/3272394>.

Glimpses of Activities

**Dr. S.K. Shukla received Professional Excellence Award-2024 from CRDA
(Nov 13, 2024)**



**Dr Sheshrao Kautkar received Best Oral presentation Award during 58th ISAE
convention & International Symposium (Nov 12-14, 2024)**



Nanotechnology Training Programme (Nov 4-8, 2024)



Promotion of Kasturi Cotton (Nov 28, 2024)



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