



भाकृअनुप-भातिअनुसं

ICAR-IIOR

आईएसओ 9001:2015 प्रमाणित संस्थान / ISO 9001:2015 Certified Institute

न्यूजलेटर

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डॉ. आर. के. माथुर ने निदेशक का पदभार संभाला

डॉ. आर. के. माथुर ने 28 नवंबर 2022 को आईसीएआर-आईआईओआर, हैदराबाद के निदेशक का पदभार ग्रहण किया। आईसीएआर-आईआईओआर से जुड़ने से पहले, उन्होंने निदेशक, आईसीएआर-भारतीय तेल ताड़ अनुसंधान संस्थान (आईसीएआर-आईआईओपीआर), पेदवेगी, आंध्र प्रदेश में कार्य किया। डॉ. माथुर ने पीएच.डी. राजस्थान कृषि विश्वविद्यालय, बीकानेर से आनुवंशिकी एवं पादप प्रजनन में की है। उन्होंने 1994 में एक वैज्ञानिक के रूप में मूंगफली अनुसंधान निदेशालय (डीजीआर), जूनागढ़ में अपना शोध करियर शुरू किया और वहां छह साल से अधिक समय तक काम किया। डीजीआर में अपने कार्यकाल के दौरान, उन्होंने मूंगफली की दो किस्मों के विकास और जारी करने तथा मूंगफली के पांच आनुवंशिक स्टॉक के पंजीकरण में योगदान दिया। वह 2000 में वरिष्ठ वैज्ञानिक के रूप में आईसीएआर-आईआईओपीआर में गए तथा 2008 में प्रधान वैज्ञानिक बने। इसके पश्चात 2015 में निदेशक,



Dr. R. K. Mathur has taken over the charge of Director

Dr. R. K. Mathur has assumed the charge of Director of ICAR-IIOR, Hyderabad on 28 November, 2022. Before joining ICAR-IIOR, he served as the Director, ICAR-Indian Institute of Oil Palm Research (ICAR-IIOPR), Pedavegi, Andhra Pradesh.

Dr. Mathur holds a Ph.D. in Genetics and Plant Breeding from Rajasthan Agri. University, Bikaner. He started his research career at the Directorate of Groundnut Research (DGR), Junagadh as a Scientist in 1994 and worked there for more than six years. During his stint at DGR, he has contributed

to the development and release of two groundnut varieties and the registration of five genetic stocks of groundnut. He moved to ICAR-IIOPR in 2000 as a 'Senior Scientist' and became 'Principal Scientist' in 2008. Subsequently, he assumed charge as the Director of ICAR-IIOPR in September 2015 and continued in the position till he

आईसीएआर-आईआईओपीआर, का पदभार संभाला। उन्होंने तेल ताड़ जर्मप्लाज्म के संग्रह और मूल्यांकन और बीज बागानों की स्थापना, उच्च तेल देने वाली तीसरी पीढ़ी की रोपण सामग्री के विकास, पहली बार तीन तेल ताड़ पाम संकरों को जारी करने और खोल और बौनापन लक्षण डीएनए मार्करों की पहचान के लिए महत्वपूर्ण भूमिका निभाई। माथुर जी एक कुशल वैज्ञानिक हैं और उनके 150 से अधिक प्रकाशन हैं।

joined ICAR-IIOR as its Director. He has played a pivotal role in the collection and evaluation of oil palm germplasm and the establishment of seed gardens, development of high oil yielding 3rd generation planting materials, first time release of three oil palm hybrids and was associated with identification of DNA markers for shell and dwarfism traits. He is an accomplished scientist with more than 150 publications to his credit.

अनुसंधान की मुख्य विशेषताएं/ RESEARCH HIGHLIGHTS

फ्यूजेरियम ऑक्सिसपोरम एफ. स्पेशिज रिसिनी के खिलाफ बायोकंट्रोल गतिविधियों के लिए देशी कीटिनोलिटिक राइजोबैक्टीरिया का अलगाव और प्रभावशीलता

फ्यूजेरियम विल्ट (फ्यूजेरियम ऑक्सिसपोरम एफ. एसपी. रिसिनी), सबसे गंभीर मृदा जनित रोगजनक, भारत में अरंडी उत्पादन के लिए एक गंभीर समस्या है। देश भर में विभिन्न तिलहनी फसलों के राइजोस्फीयर से एकल किए गए अच्छी किटिनोलिटिक गतिविधि वाले कुल 164 बैक्टीरिया की एफ. ऑक्सिसपोरम एफ के खिलाफ उनकी एंटीफंगल गतिविधि के लिए एसपी. इन-विट्रो और इन-विवो स्थितियों के तहत एफ.एसपी. रिसिनी जांच की गई। किटिनोलिटिक बैक्टीरिया की विरोधी गतिविधि का मूल्यांकन दोहरी संस्कृति तकनीक का उपयोग करके किया गया था, जहां प्लेट के एक तरफ 24 घंटे पुराने जीवाणु कल्चर के साथ टीका लगाया गया था और दूसरी तरफ 60 मिमी सक्रिय रूप से बढ़ने वाले कवक (एफ. ऑक्सिसपोरम एफ. एसपी. रिसिनी) के साथ टीका लगाया गया था। 7 दिनों की ऊष्मायन अवधि के बाद फंगल विकास अवरोध प्रतिशत देखा गया। जांच किए गए 164 आइसोलेट्स में से, तीन आइसोलेट्स (CB1-IC-RB3, CB4-RAI-RB1, CB5-AR-RB1) को मजबूत विरोधी गतिविधि के साथ रिपोर्ट किया गया था, और तीन आइसोलेट्स (CB1-IC-RB7, CB1-IC-RB8, सीबी2-एचडी-आरबी4) मध्यम प्रतिपक्षी गतिविधि के साथ, जबकि बाकी आइसोलेट्स कमजोर प्रतिपक्षी प्रदर्शित करने के लिए दर्ज किए गए थे। इन-विट्रो में काईटिनोलिटिक गतिविधि और रोगजनक दमन क्षमता रखने के संदर्भ में ऊपर उल्लिखित छः सर्वश्रेष्ठ आइसोलेट्स का मूल्यांकन अरंडी (DCH-519) में ग्रीनहाउस स्थितियों के तहत उनकी जैव-संरक्षण क्षमता के लिए किया गया, जहां निष्फल बीजों को संबंधित जीवाणु निलंबन में डुबोया गया। 12 घंटे और एफ. ऑक्सिसपोरम एफ एसपी. रिसिनी के साथ पूर्व टीकाकरण (4 दिन पहले) मिट्टी में बोया गया। अंकुरण और प्रतिशत मुरझाने की घटनाओं के अवलोकन के आधार पर, CB1-IC-RB3, CB4-RAI-RB1 और CB5-AR-RB1 को कवक से निपटने के लिए प्रभावी आइसोलेट्स के रूप में चुना गया, जिन्हें सेराटिया मार्सेसेन्स

Isolation and Effectiveness of Native Chitinolytic Rhizobacteria for Biocontrol Activities Against *Fusarium oxysporum* f. sp. *ricini* in Castor

Fusarium wilt (*Fusarium oxysporum* f. sp. *ricini*), the most serious soil-borne pathogen, is a serious problem for castor production in India. A total of 164 bacteria with good chitinolytic activity collected from the rhizosphere of different oilseed crops across the country were screened for their antifungal activity against *F. oxysporum* f. sp. *ricini* under *in-vitro* and *in-vivo* conditions. The antagonistic activity of the chitinolytic bacteria was evaluated using a dual culture technique, where one side of the plate was inoculated with 24 h old bacterial cultures and the other side with the 60 mm of actively growing fungus (*F. oxysporum* f. sp. *ricini*). Fungal growth inhibition percentage was observed after an incubation period of 7 days. Among the 164 isolates screened, three isolates (CB1-IC-RB3, CB4-RAI-RB1, CB5-AR-RB1) were reported with strong antagonistic activity, and three isolates (CB1-IC-RB7, CB1-IC-RB8, CB2-HD-RB4) with moderate antagonistic activity while the rest of the isolates were recorded to exhibit weak antagonism. The six best isolates mentioned above in terms of possessing chitinolytic activity and pathogen suppression potential *in-vitro* were evaluated for their bio-protection ability under greenhouse conditions in castor (DCH-519), where the sterilized seeds were immersed in the respective bacterial suspension for 12 hours and sown in the soil pre inoculated (4 days earlier) with *F. oxysporum* f. sp. *ricini*. Based on the observation of germination and per cent wilt incidence, CB1-IC-RB3, CB4-RAI-RB1 and CB5-AR-RB1 were adjudged as the effective isolates to combat the fungus



Effect of chitinase-producing bacteria on *Fusarium* wilt incidence of castor in pot culture

(IC-RB3)। आणविक लक्षण वर्णन के माध्यम से एरोमोनस वेरोनी (आरएआई-आरबी1) और अल्कालिजेन्स फ्रेकेलिस (एआर-आरबी1) के रूप में पहचाना गया।

(के. संकरी मीना, के. शक्तिवेल, पी. दुरईमुरुगन, के.एस.वी.पी. चंद्रिका, एस. सईदा रेड्डी, एम.एस.एल. प्रसाद एवं आर.डी. प्रसाद)

आयरन और जिंक धातु मृदा अनुप्रयोग के माध्यम से पौधों के पोषक तत्वों के रूप में नैनोसाइट्रेट करते हैं

आयरन (Fe) और जिंक (Zn) के नैनोसाइट्रेट नए पौधों के पोषक तत्व हैं जिनका उपयोग कृषि में किया जा सकता है। हमने संयुक्त साइट्रेट की एक श्रृंखला को सफलतापूर्वक संश्लेषित किया है जो मिट्टी के अनुप्रयोग के माध्यम से उच्च पौधों की उपयोग दक्षता के लिए कार्यात्मक रूप से मूल्यवान है।

हमारे परिणाम बताते हैं कि संयुक्त नैनोसाइट्रेट्स में बीज की गुणवत्ता और पौधों द्वारा उनके संबंधित व्यक्तिगत पोषक तत्वों और अन्य वाणिज्यिक उर्वरकों के समान Fe और Zn पोषक तत्वों को ग्रहण करने की क्षमता में सुधार करने की क्षमता है। इन नैनोसाइट्रेट्स को, उनके पहले से तैयार समकक्षों के साथ, मूंगफली पर लगाया गया और अधिकतम पोषक तत्व उपयोग दक्षता

और उच्च शुष्क पदार्थ दिखाया गया। यह देखा गया कि साइट्रेट ने कुछ ही दिनों में वाणिज्यिक उर्वरक की तुलना में Fe³⁺ और Zn²⁺ पोषक तत्व ग्रहण क्षमता को अधिक बढ़ा दिया। इस कार्य से सांख्यिकीय रैंकिंग, भौतिक अवलोकन और महत्वपूर्ण पात्रों के माध्यम से सर्वोत्तम नमूनों की पहचान की गई। सर्वोत्तम बॉल मिल्ड नमूने, बीएफसी (1:1)- 6; बीजेडसी (1:3)-6; बीएफजेड (4:6)-8; बीएफजेड (5:5)-2; बीएफजेड (5:5)-6; बीएफजेड (8:2)-4 को महत्वपूर्ण मापदंडों में इसके प्रदर्शन के आधार पर, फसल की कटाई तक हमारे भविष्य के काम के लिए ध्यान में रखा जा रहा था। जबकि, Fe और Zn ने नैनोसाइट्रेट्स में न तो एक दूसरे को बढ़ावा दिया और न ही कम किया, कुल मिलाकर, नैनोसाइट्रेट्स ने उर्वरक के संदर्भ में अन्य सभी नमूनों की तुलना में महत्वपूर्ण परिणाम दिखाए हैं, जिसमें पोषक तत्व ग्रहण करना और पौधों के पोषण में नगण्य भूमि संदूषण शामिल है। तैयार Fe और Zn नैनोसाइट्रेट मिट्टी के अनुप्रयोग के लिए पर्यावरण-अनुकूल पौधों के पोषक तत्वों के स्रोत के रूप में काम कर सकते हैं।

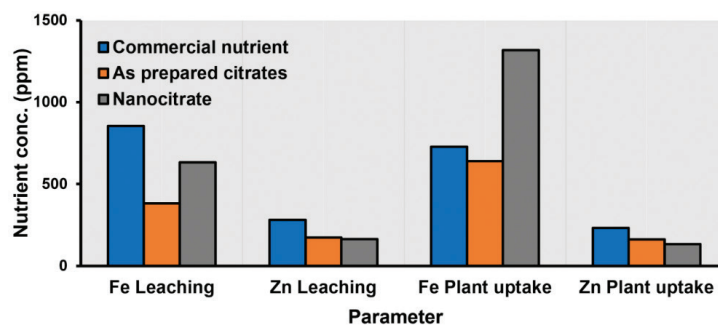
(के.एस.वी. पूर्णा चंद्रिका, ए. अजीज कुरेशी, अनुपमा सिंह, चुंदुरी सारदा और बालाजी गोपालन)

which were identified as *Serratia marcescens* (IC-RB3), *Aeromonas veronii* (RAI-RB1) and *Alcaligenes faecalis* (AR-RB1) through molecular characterization.

(K. Sankari Meena, K. Sakthivel, P. Duraimurugan, K.S.V.P. Chandrika, S. Saida Reddy, M.S.L. Prasad and R.D. Prasad)

Fe and Zn metal nanocitrates as plant nutrients through soil application

Nanocitrates of iron (Fe) and zinc (Zn) are newer plant nutrients that can be employed in agriculture. We have successfully synthesized a series of combined citrates that is functionally valuable for higher plant use efficiency through soil application. Our results suggest that combined nanocitrates have the potential to improve seed quality



Comparison of studied parameters between commercial and nano citrate fertilizers CD at 5% degrees of freedom 11.9 and CV is 1.53.

and plant uptake of Fe and Zn nutrients similar to their respective individual nutrients and other commercial fertilizers. These nanocitrates, along with their as-prepared counterparts, were applied on groundnut and showed maximum nutrient use efficiency and higher dry

matter. It was noticed that citrate increased Fe³⁺ and Zn²⁺ nutrient uptake efficiency more than commercial fertilizer within a few days. The best samples were identified from this work through statistical ranking, physical observation and important characters. Best ball milled samples, BFC (1:1)- 6; BZC (1:3)- 6; BFZ (4:6)- 8; BFZ (5:5)- 2; BFZ (5:5)- 6; BFZ (8:2)- 4 was being considerate for our future work till harvesting of the crop, based on its performance in important parameters. While, Fe and Zn neither promoted nor demoted the other in nanocitrates, overall, the nanocitrates have shown significant results compared to all other samples in terms of fertilizer, including nutrient-uptake, and negligible land contamination in plant nutrition. The prepared Fe and Zn nanocitrates can serve as eco-friendly plant nutrient sources for soil application.

(K.S.V. Poorna Chandrika, A. Aziz Qureshi, Anupama Singh, Chunduri Sarada and Balaji Gopalan)

बैठके / MEETINGS

पंचवार्षिक समीक्षा दल की बैठकें

आईसीएआर-आईआईओआर और एआईसीआरपी (अरंडी, सूरजमुखी, कुसुम, अलसी, तिल और नाइजर) की 2017-2021 अवधि की क्युआरटी डॉ. ए. आर. पाठक, पूर्व कुलपति, जेएयू, जूनागढ़ की अध्यक्षता में आयोजित की गई। इसमें शामिल अन्य सदस्य: डॉ. पी. आनंद कुमार पूर्व निदेशक, आईसीएआर-एनआईपीबी, नई दिल्ली; डॉ. डी. एम. हेगड़े, पूर्व निदेशक, आईसीएआर-आईआईओआर, हैदराबाद; डॉ. वी. के. बरनवाल, प्रोफेसर एवं प्रमुख (वायरोलॉजी), पैथोलॉजी विभाग, आईसीएआर-आईएआरआई, नई दिल्ली; डॉ. के.एल.डोबरिया, तिलहन विशेषज्ञ, जेएयू, जूनागढ़; डॉ. के.वी. देशमुख, सेवानिवृत्त प्रोफेसर और प्रमुख (कृषि अर्थशास्त्र), वीएनएमकेवी, परभणी थे। डॉ. कादिरवेल पालचामी, प्रधान वैज्ञानिक (आनुवंशिकी), भाकृअनुप-आईआईओआर, हैदराबाद ने सदस्य सचिव के रूप में कार्य किया।



डॉ. ए. आर. पाठक, अध्यक्ष तथा डॉ. टी. आर. शर्मा, डीडीजी (सीएस), आईसीएआर, नई दिल्ली के साथ पहली बैठक (वर्चुअल) 11 जुलाई, 2022 को हुई इसके बाद टीम ने आठ बैठकें की। टीम ने 19 राज्यों में 56 केंद्रों पर संचालित आईसीएआर-आईआईओआर और छह एआईसीआरपी (अरंडी, सूरजमुखी, कुसुम, अलसी, तिल और नाइजर) की समीक्षा की। आईआईओआर, हैदराबाद की समीक्षा 04-05 अगस्त, 2022 के दौरान आयोजित की गई। डॉ. एम. सुजाता, निदेशक (ए) ने समीक्षा अवधि के दौरान आईआईओआर की समग्र उपलब्धियों पर एक प्रस्तुति दी। तत्पश्चात, अनुभागवार शोध उपलब्धियों पर विस्तृत प्रस्तुतीकरण किया गया। एआईसीआरपी की समीक्षा बैठकें यथा सूरजमुखी, अरंडी, तिल, अलसी, नाइजर और कुसुम की समीक्षा बैठकें क्रमशः कोयम्बटूर (24-25 अगस्त, 2022), जूनागढ़ (13-14 सितंबर, 2022), मंडोर (अक्टूबर 10-12, 2022) रायपुर (09-11 नवंबर, 2022), अरकू (24-25 नवंबर, 2022) और धारवाड़ (09 दिसंबर, 2022) आयोजित की गईं। संबंधित एआईसीआरपी की समग्र उपलब्धियों को संबंधित परियोजना समन्वयक/

Quinquennial Review Team Meetings

The QRT of ICAR-IIOR, AICRP on Oilseeds (Castor, Sunflower Safflower, Linseed) and AICRP on Sesame and Niger for the period from 2017-2021 was constituted by ICAR under the chairmanship of Dr. A.R. Pathak, Former Vice Chancellor, JAU, Junagadh with the members: Dr. P Ananda Kumar Former Director, ICAR-NIPB, New Delhi; Dr. D.M. Hegde, Former Director, ICAR-IIOR, Hyderabad; Dr. V.K. Baranwal, Professor and Head (Virology), Division of Pathology, ICAR-IARI, New Delhi; Dr. K.L. Dobariya, Oilseed Specialist, JAU, Junagadh; Dr. K.V. Deshmukh, Retired Professor and Head (Agril. Economics), VNMKV, Prabhani. Dr. Kadirvel Palchamy, Principal Scientist (Genetics), ICAR-IIOR, Hyderabad served as Member Secretary.



The team conducted eight meetings since the first meeting (virtual) of Dr. A.R. Pathak, Chairman with Dr. T.R. Sharma, DDG (CS), ICAR, New Delhi on July 11, 2022. The team reviewed the ICAR-IIOR and six AICRPs (Castor, Sunflower, Safflower, Linseed, Sesame and Niger) operating at 56 centres across 19 states. The review of ICAR-IIOR, Hyderabad was conducted during August 04-05, 2022. Dr. M. Sujatha, Director (A) made a presentation on the overall achievements of IOR during the review period. Subsequently, detailed presentations on the research achievements section wise were made. Review meetings of the AICRPs viz., sunflower, castor, sesame, linseed, niger and safflower were conducted at the centres viz., Coimbatore (August 24-25, 2022), Junagadh (September 13-14, 2022), Mandore (October 10-12, 2022), Raipur (November 09-11, 2022), Araku (November 24-25, 2022) and Dharwad (December 09, 2022), respectively. Overall achievements

प्रधान अन्वेषक द्वारा प्रस्तुत किया गया और उसके बाद केंद्रवार प्रस्तुतियां दी गईं। समीक्षा के दौरान, क्यूआरटी ने प्रत्येक एआईसीआरपी की महत्वपूर्ण उपलब्धियों को नोट किया और महत्वपूर्ण टिप्पणियां कीं। क्यूआरटी की अंतिम बैठक 17-20 दिसंबर, 2022 के दौरान आईसीएआर-आईआईओआर, हैदराबाद में आयोजित की गई तथा मसौदा रिपोर्ट/सिफारिशों को अंतिम रूप दिया गया।

तिलहन (कुसुम और अलसी)-2022 पर एआईसीआरपी की वार्षिक समूह बैठक

एआईसीआरपी (कुसुम) और (अलसी) के तहत 2021-22 के दौरान किए गए शोध के परिणामों की समीक्षा के लिए 1 और 2 सितंबर, 2022 को कृषि महाविद्यालय, डॉ. पीडीकेवी, नागपुर द्वारा कुसुम और अलसी की वार्षिक समूह बैठक का आयोजन और अगले सत्र के लिए प्रयोगात्मक विवरणों पर चर्चा की गई। बैठक में एआईसीआरपी (कुसुम), एआईसीआरपी (अलसी), केंद्रीय और राज्य कृषि विभाग के अधिकारियों, सार्वजनिक और निजी बीज उद्यमियों और मेजबान विश्वविद्यालय के तहत काम करने वाले वैज्ञानिकों ने भाग लिया। 1 सितंबर को उद्घाटन सत्र की अध्यक्षता डॉ. वी. एम. भाले, कुलपति, डॉ. पीडीकेवी, अकोला ने की। डॉ. टी. आर. शर्मा, डीडीजी (सीएस), आईसीएआर, नई दिल्ली मुख्य अतिथि थे तथा इसमें शामिल अन्य डॉ. संजीव गुप्ता, एडीजी (ओ एंड पी), आईसीएआर, नई दिल्ली, डॉ. डी. के. यादव, एडीजी (बीज), आईसीएआर, नई दिल्ली, डॉ. वी. के. खार्चे, अनुसंधान निदेशक, डॉ. पीडीकेवी, अकोला और डॉ. एम. सुजाता, निदेशक (ए), आईसीएआर-आईआईओआर, हैदराबाद सम्मानित अतिथि थे।



डॉ. एम. सुजाता, निदेशक (ए) ने एआईसीआरपी-कुसुम और अलसी कार्यक्रमों के अनुसंधान पर प्रकाश डाला। उनकी प्रस्तुति में प्लांट ब्रीडिंग, प्रजनन बीज उत्पादन, सस्य विज्ञान, पादप रोग विज्ञान, कीट विज्ञान, प्रथम पांक्ति प्रदर्शनों के तहत 2021-22 की विभिन्न शोध उपलब्धियां शामिल थीं। इस सत्र से जो प्रमुख सिफारिशें सामने आईं, उनमें कुसुम

of the respective AICRP was presented by the concerned Project Coordinator/Principal Investigator followed by the centre-wise presentations. During review, the QRT noted the significant achievements of each AICRP and made critical observations. The final meeting of the QRT was conducted during December 17-20, 2022 at ICAR-IIOR, Hyderabad and the draft report/recommendations were finalized.

Annual Group Meeting of AICRP on Oilseeds (Safflower and Linseed)-2022

The Annual Group Meeting of Safflower and Linseed was organised by College of Agriculture, Dr. PDKV, Nagpur on 1st and 2nd September, 2022 to review the results of research conducted under AICRP (Safflower) and AICRP (Linseed) during 2021-22 and discuss the experimental details for the next season. The meeting was attended by scientists working under AICRP (Safflower), AICRP (Linseed), officials of Central and State Department of Agriculture, Public and Private Seed Entrepreneurs and the host University. The inaugural session on 1st Sept. was chaired by Dr. V.M. Bhale, Vice Chancellor, Dr. PDKV, Akola. Dr. T.R. Sharma, DDG (CS), ICAR, New Delhi was the Chief Guest and Dr. Sanjeev Gupta, ADG (O&P), ICAR, New Delhi, Dr. D.K. Yadava, ADG (Seeds), ICAR, New Delhi, Dr. V.K. Kharche, Director of Research, Dr. PDKV, Akola and Dr. M. Sujatha, Director (A), ICAR-IIOR, Hyderabad were the guests of honour.



Dr. M. Sujatha, Director (A), presented the research highlights of AICRP-Safflower and Linseed programmes. Her presentation covered various research accomplishments of 2021-22 under plant breeding, breeder seed production, agronomy, pathology, entomology, front line demonstrations. The major recommendations which emerged from this

और अलसी फसलों में मशीनीकरण को तेज करना, मिट्टी की नमी संरक्षण तकनीकों के विकास पर अधिक ध्यान देना और अलसी में उटेरा की खेती के लिए अच्छी कृषि-प्रौद्योगिकियां विकसित करना शामिल हैं। इस बात पर भी जोर दिया गया कि कम से कम 15 दिन कम अवधि और थर्मो-टॉलरेंस वाली किस्मों का विकास प्राथमिकता पर किया जाना चाहिए। कुसुम और अलसी को पुनर्जीवित करने के लिए परियोजनाएँ डीएसी को भी प्रस्तुत की जानी चाहिए।

इसके बाद कुसुम और अलसी के लिए फसल सुधार पर तकनीकी सत्रों का आयोजन किया गया जिसमें प्रजनन, आनुवंशिक संसाधन और प्रजनक बीज उत्पादन पर प्रस्तुतियां शामिल थीं। दोपहर में कुसुम में फसल सुरक्षा और अलसी में फसल उत्पादन के लिए समवर्ती तकनीकी सत्र आयोजित किए गए। प्रजाति पहचान समिति की बैठक आयोजित की गई और अलसी की तीन किस्मों की पहचान की गई।

तकनीकी कार्यक्रम को अंतिम रूप देने के लिए तकनीकी सत्र 2 सितंबर को आयोजित किया गया, जिसके बाद फसल उत्पादन सत्र आयोजित किया गया। अलसी में फसल सुरक्षा पर सत्र समवर्ती रूप से आयोजित किया गया। 2 सितंबर, 2022 को मध्याह्न में आयोजित पूर्ण सत्र की अध्यक्षता डॉ. सी.डी. मायी, पूर्व. अध्यक्ष, एएसआरबी, नई दिल्ली ने की। इस सत्र में विभिन्न तकनीकी सत्रों की कार्यवाही एवं वर्ष 2022-23 के अंतिम तकनीकी कार्यक्रम की कार्यवाही प्रस्तुत की गई। अध्यक्ष ने दोनों समूहों द्वारा की गई प्रगति की सराहना की और वैज्ञानिकों से जैविक कृषि पर ध्यान केंद्रित करने का आग्रह किया। यह भी सुझाव दिया गया कि लघु तिलहन पर व्यापक कार्यक्रम शुरू किया जाना चाहिए। महाराष्ट्र के विदर्भ क्षेत्र में धान की परती अलसी को बढ़ावा दिया जाना चाहिए। मुरझान की समस्या के समाधान के लिए कंपोजिट मुरझाए बीमार भूखंडों की जरूरत है। उन्होंने वैज्ञानिकों को सार्वजनिक-निजी भागीदारी में प्रवेश करने के लिए प्रोत्साहित किया।

संस्थान अनुसंधान समिति (आईआरसी)

डॉ. एम. सुजाता, निदेशक (ए) ने रबी फसलों के लिए 28 सितंबर, 2022, 28 अक्टूबर, 2022 और 03 नवंबर, 2022 के दौरान आयोजित आईआरसी-2022 बैठकों की अध्यक्षता की। चालू अनुसंधान परियोजनाओं की प्रगति की समीक्षा की गई, नए परियोजना प्रस्ताव प्रस्तुत किए गए और 2022-23 के तकनीकी कार्यक्रम को अंतिम रूप दिया गया।

session include intensification of mechanisation in safflower and linseed crops, more focus on development of soil moisture conservation techniques and development of good agro-technologies for Utera cultivation in linseed. It was also stressed that development of cultivars with at least 15 days less duration and thermo-tolerance should be done on priority. Projects should also be submitted to DAC to revive safflower and linseed.

This was followed by the technical sessions on Crop improvement for safflower and linseed which included presentations on breeding, genetic resources and breeder seed production. In the afternoon, concurrent technical sessions for Crop protection in safflower and Crop production in Linseed were held. Varietal Identification Committee meeting was conducted and three varieties of linseed were identified.

Technical session to finalise the technical programme for safflower breeding was conducted on 2nd September which was followed by Crop production session. The session on Crop protection in linseed was held concurrently. The plenary session held in the afternoon of 2nd Sept., 2022 was chaired by Dr. C.D. Mayee, Ex. Chairman, ASRB, New Delhi. The proceedings of the various technical sessions and the finalised technical programme for 2022-23 were presented in this session. The chairman appreciated the progress made by both the groups and urged the scientists to focus on organic agriculture. It was also suggested that massive programme on minor oilseeds should be initiated. Rice fallow linseed should be promoted in Vidharba region of Maharashtra. Composite wilt sick plots are needed to address the wilt problem. He encouraged the scientists to enter into Public-Private Partnerships.

Institute Research Committee (IRC) Meeting

Dr. M. Sujatha, Director (A) chaired the IRC-2022 meetings held during September 28, 2022, October 28, 2022 and November 03, 2022 for Rabi crops. Progress of the ongoing research projects was reviewed, new project proposals were presented and the technical programme for 2022-23 was finalized.

प्रशिक्षण / TRAINING

क्षमता निर्माण और प्रौद्योगिकी प्रसार

आंध्र प्रदेश, तेलंगाना और महाराष्ट्र में गुणवत्तापूर्ण बीजों के उत्पादन के लिए बीज उत्पादकों के बीच कौशल विकास पर निम्नलिखित प्रशिक्षण आयोजित किए गए। कुल 583 बीज उत्पादकों ने भाग लिया।

Capacity Building and Technology Dissemination

Following trainings were conducted on skill development among the seed producers for production of quality seeds in Andhra Pradesh, Telangana and Maharashtra. A total of 583 seed producers participated.

कार्यक्रम का नाम / Name of the programme	स्थान / Venue	दिनांक / Date	स्टेकहोल्डर / Stakeholders	लाभार्थियों की संख्या / No. of Beneficiaries
Training on 'Good agricultural practices and seed production in safflower' in Maharashtra state	Online	06 December, 2022	Farmers, seed growers, Officials from the Agriculture department and NGO	98
Training on 'Bee keeping in oilseeds for increasing productivity'	ICAR-IIOR, Hyderabad	20-21 December, 2022	Farmers, FPO members	19
Orientation training programme on 'Castor hybrid seed production technology'	Yagantepalle, Andhra Pradesh	30 December, 2022	Farmers, Seed producers	25

Trainings/ Field days/ Capacity building under SCSP/ TSP/ Seed/ NEH/ FFP/ FPO

शिर्षक/उद्देश्य / Title/Purpose	स्थान / Venue	दिनांक एवं लाभार्थी / Date and beneficiaries
Use of leaf colour chart (LCC)	Narayanraopet	22 September, 2022 (45 members)
Awareness about crop diversification	Narayanraopet, Chinnakodur	08 October, 2022 (65 farmers); 22 October, 2022 (85 farmers)
Use of animal and bird control sound box	Chinnakoduru, Narayanraopet	12 October, 2022 (75 farmers) 27 October, 2022 (50 farmers)
Value addition on oilseeds to women farmers	Gurudhotla	15 October, 2022
Value addition on oilseeds to Progressive Farmers/ Directors of Vikarabad Farmer Producer Company Limited	ICAR-IIOR, Hyderabad	17 October, 2022
Capacity building programme to tribal households on enhancing farmers income through creation of verticals	Rampur thanda	01 December, 2022
World Soil day	Rampur Thanda, Malyala	05 December, 2022
Awareness on the importance of forming the FPOs	Kadhandavaopally	20 December, 2022 (25 farmers, 08 rythu samanvaya samithi member of each village)
Training on apiculture	Chinnakodur and Narayanraopet	21-23 December, 2022 (8 farmers)

महत्वपूर्ण आयोजन / IMPORTANT EVENTS

आईसीएआर-आईआईओआर स्थापना दिवस समारोह

45^{वां} स्थापना दिवस 01 अगस्त, 2022 को मनाया गया। डॉ. ए. विष्णुवर्धन रेड्डी, कुलपति, एंगारू, गुंटूर मुख्य अतिथि थे। स्थापना दिवस

ICAR-IIOR Foundation Day Celebration

The 45th Foundation Day of ICAR-IIOR was celebrated on 01 August, 2022. Dr. A. Vishnuvardhan Reddy, Vice Chancellor, ANGRAU, Guntur was the Chief



व्याख्यान डॉ. हेमलता, आर., निदेशक, आईसीएमआर-एनआईएन, हैदराबाद द्वारा “अनुशंसित आहार एवं तेल और वसा पर आहार दिशानिर्देश” विषय पर विशेष, परामर्श मनोवैज्ञानिक, जीनियस जिम, अमीरपेट, हैदराबाद, तेलंगाना द्वारा दिया गया। इस अवसर पर सर्वश्रेष्ठ कार्यकर्ताओं को पुरस्कार, शोध पत्र आदि प्रदान किए गए और 25 वर्ष की सेवा पूरी करने वाले भाकृअनुप-आईआईओआर के कर्मचारियों को सम्मानित किया गया।

पार्थेनियम जागरूकता सप्ताह

पार्थेनियम जागरूकता सप्ताह 16-22 अगस्त, 2021 के दौरान आयोजित किया गया था। फार्मर्स फर्स्ट कार्यक्रम के तहत अपनाए गए विकाराबाद जिले के गांवों में पार्थेनियम पर जागरूकता कार्यक्रम सह बातचीत बैठकें आयोजित की गईं।



स्वच्छता विशेष अभियान 2.0

आईसीएआर-आईआईओआर, हैदराबाद में 2 से 31 अक्टूबर, 2022 तक आईसीएआर गतिविधियों के लंबित मामलों के निपटान के लिए स्वच्छता विशेष अभियान 2.0 का आयोजन किया गया। संस्थान में स्वच्छता प्रतिबद्धता और सफाई गतिविधियों का आयोजन किया गया। वैज्ञानिकों, तकनीशियनों, कार्यालय कर्मियों, अनुबंध कर्मचारियों और छात्रों सहित सभी आईसीएआर-आईआईओआर कर्मचारियों ने प्रतिबद्धता और रुचि के साथ सफाई अभियान में भाग लिया।



Guest. The Foundation Day Lecture was delivered by Dr. Hemalatha, R., Director, ICMR-NIN, Hyderabad on the topic “Recommended Dietary Allowances and Dietary Guidelines on Oils and Fats”. Another lecture on “Stress management in work place-Happy well-being” was delivered by Psy. Vishesh, Counselling Psychologist, Genius Gym, Ameerpet, Hyderabad, Telangana. During the occasion, awards to the best workers, research paper etc., were presented and the ICAR-IIOR staff completing 25 years of service were felicitated.

Parthenium Awareness Week

The parthenium Awareness Week was organized during August 16-22, 2021. Awareness programme cum Interaction meetings on Parthenium were conducted at the villages in Vikarabad district adopted under the Farmers' First programme.



Swachhata Special Campaign 2.0

Swachhata Special Campaign 2.0 for disposal of pending matters of ICAR activities was conducted from 2nd to 31st October, 2022 at ICAR-IIOR, Hyderabad. Swachhata commitment and cleaning activities were organized in the Institute. All ICAR-IIOR employees including scientists, technicians, office personnel, contract workers and students participated in the cleaning drives with commitment and interest.



सतर्कता जागरूकता सप्ताह-2022

"सतर्कता जागरूकता सप्ताह" 31 अक्टूबर, 2022 से 6 नवंबर, 2022 तक आईसीएआर-आईआईओआर में "भ्रष्टाचार मुक्त भारत एक विकसित राष्ट्र" विषय के साथ मनाया गया। आईसीएआर-आईआईओआर के कर्मचारियों ने 31 अक्टूबर, 2022 को 'सत्यनिष्ठा प्रतिज्ञा' ली। जागरूकता सप्ताह के दौरान सतर्कता पहलुओं पर जागरूकता फैलाने के लिए, भ्रष्टाचार पर पोस्टर, इसके दुष्प्रभाव और भ्रष्टाचार से लड़ने की आवश्यकता को संस्थान के परिसर में प्रदर्शित किया गया। भ्रष्टाचार और इसके प्रभावों और शिकायत तंत्र पर ग्रामीणों को जागरूक करने के लिए विकाराबाद जिले के गुधोटला और रामपुर तांडा में "ग्राम सभा" आयोजित की गई। आईसीएआर-आईआईओआर के छात्रों, कर्मचारियों और अन्य ग्राहकों के लिए एक प्रश्नोत्तरी कार्यक्रम आयोजित किया गया जिसमें भ्रष्टाचार निवारण अधिनियम, 1988 और इसके संशोधन, शिकायत प्रक्रिया, सतर्कता आयोग और इसके कामकाज आदि विभिन्न पहलुओं को शामिल किया गया।



ICAR-IIOR employees taking integrity oath on 31.10.2022

विश्व मृदा दिवस

डॉ. आर.के. माथुर, निदेशक तथा भाकृअनुप-आईआईओआर के अंतःविषय टीम ने, कृषि विभाग, आंध्र प्रदेश सरकार और एफपीओ सदस्यों के साथ 05 सितंबर, 2022 को विकाराबाद जिले के रामपुर थांडा सिद्दीपेट जिले के मल्लाल ग्राम नारायणरावपेट मंडल और चिन्नाकोदुरु मंडल में "विश्व मृदा दिवस" का आयोजन किया। तीन जागरूकता कार्यक्रम "मृदा: जहां भोजन शुरू होता है" विषय पर आयोजित किए गए थे (i) मृदा का महत्व (ii) मृदा क्षरण की समस्या/पोषक तत्वों की हानि (iii) मृदा स्वास्थ्य में सुधार के लिए कार्बनिक पदार्थों के उपयोग का महत्व और संसाधन बढ़ाने की आवश्यकता लंबे समय में दक्षता का उपयोग करें। अरंडी, मूंगफली और सूरजमुखी के किसानों के खेतों का भी दौरा किया गया और मिट्टी के स्वास्थ्य को बनाए रखने और तिलहनी फसलों की उत्पादकता बढ़ाने के लिए उपयुक्त सुझाव दिए गए। बैठक में कुल 230 किसानों ने भाग लिया।

Vigilance Awareness Week-2022

"Vigilance awareness week" was observed from 31 October, 2022 to 6 November, 2022 at ICAR-IIOR with the theme "Corruption free India for a developed Nation". The staff of ICAR-IIOR took 'Integrity Pledge' on 31 October, 2022. To spread awareness on vigilance aspects, posters on corruption, its ill effects and need for fighting corruption were displayed in the Institute's premises during the awareness week. "Gram Sabhas" were conducted in Grudhotla and Rampur thanda of Vikarabad District for sensitizing the villagers on the corruption and its impacts and the complaint mechanisms. A quiz programme was organized for the students, staff and other clients of ICAR-IIOR covering various aspects of Prevention of Corruption Act, 1988 and its amendment, complaining procedures, Vigilance Commission and its functioning, etc.



Gram Sabha held in Gurudhotala

World Soil Day

Dr. R.K. Mathur, Director, and interdisciplinary team of scientists from ICAR-IIOR, Hyderabad in association with Agriculture department, Govt. of Telangana and FPO members organized "World Soil Day" on December 5, 2022 at Rampur Thanda, Vikarabad District; Malyal Village Narayanraopet Mandal and Chinnakoduru Mandals of Siddipet District. Three awareness programmes were conducted on the theme "Soils: Where Food Begins" on (i) importance of soils (ii) soil degradation problem/loss of nutrients (iii) importance of use of organics for improving the soil health and need for enhancing resource use efficiency in the long run. Field visits were also organized in farmer's fields of castor, groundnut and sunflower and suitable suggestions were made for maintaining soil health and enhancing productivity of oilseed crops. A total of 230 farmers attended the meeting.



स्वच्छता पखवाड़ा

आईसीएआर-आईआईओआर के भीतर और बाहर 16 से 31 दिसंबर 2022 के दौरान स्वच्छता पखवाड़ा गतिविधियां आयोजित की गईं, जैसे कि पौधे लगाना, बैनरों का प्रदर्शन, एमजीएमजी गांवों में सफाई अभियान, किसान दिवस (23 दिसंबर, 2022), आदि। स्वच्छता के बारे में जागरूकता पर कार्यक्रम स्कूली बच्चों के बीच प्रश्नोत्तरी कार्यक्रम आयोजित करके, बायो-डिग्रेडेबल और नॉन-बायो-डिग्रेडेबल कचरे का अलग-अलग निपटान, फार्मर्स फस्ट गांवों, राजेंद्रनगर, नरखोडा के आईसीएआर-आईआईओआर अनुसंधान फार्म में सफाई अभियान और भौतिक फाइलों की छंटाई आदि का आयोजन किया गया। स्वच्छता पखवाड़ा कार्यक्रमों में आईआईओआर कर्मियों, किसानों, छात्रों और आम नागरिकों ने भाग लिया।

आजादी का अमृत महोत्सव

भारत की स्वतंत्रता के 75 वर्ष पूरे होने के उपलक्ष्य में वेबिनार, अतिथि व्याख्यान, किसान गोष्ठी सहित निम्नलिखित कार्यक्रम आयोजित किए गए। आईसीएआर संस्थानों के वैज्ञानिकों, आईआईओआर के कर्मचारियों और किसानों ने विभिन्न कार्यक्रमों में भाग लिया।



Swachhata Pakhwada

Swachhata Pakhwada activities were conducted during 16 to 31 December 2022 within and outside ICAR-IIOR such as planting of tree saplings, display of banners, cleaning drives in MGMG villages, Kisan Diwas (23rd December, 2022), etc. Programs on awareness about swachhata was conducted among school children by conducting quiz programmes, separate disposal of bio-degradable and non-bio-degradable waste, cleaning drives in farmers first villages and ICAR-IIOR research farms of Rajendranagar, Narkhoda and weeding of physical files etc. The ICAR-IIOR personnel, farmers, students and civilians took part in the Swachhata Pakhwada programmes.

Azadi Ka Amrit Mahotsav

Following programmes which include webinars, guest lectures, farmer's ghosti were organized to commemorate 75 years of India's Independence. Scientists of ICAR Institutes, staff of IIOR and farmers participated in different programmes.

विषय / Topic	विशेषज्ञ / Experts	दिनांक / Date
Plant Breeding in business environment - market led approaches to new variety design	Dr. Sharan Angadi, Director at ATPBR - Foundation for Advanced Training in Plant Breeding and R&D adviser to Ankur seeds, Formerly Head of Breeding, Asia Pacific, Nunhems Seeds, Netherlands	26 July, 2022
Agricultural education: Status and challenges	Dr. A.R. Pathak, Chairman, QRT, ICAR-IIOR, and Former Vice-Chancellor, JAU	19 December, 2022
Plant viruses: Innovations in diagnostics and characterization	Dr. V.K. Baranwal, National Professor & Former, Prof. & Head (Virology), IARI, New Delhi & Member, QRT, ICAR-IIOR	19 December, 2022
Genetically modified (GM) crops: Impact on farmers and consumers	Dr. P. Ananda Kumar, Former Director, ICAR-NIPB, New Delhi and Member, QRT, ICAR-IIOR	20 December, 2022
Attitude and inspiration	Dr. D.M. Hegde, Former Director, ICAR-IIOR and Member, QRT, ICAR-IIOR	20 December, 2022

फील्ड दिवस / FIELD DAYS

तिल किसान मेला

आईओपीईपीसी ने आईसीएआर-आईआईओआर के साथ 11 अगस्त, 2022 को वृद्धाचलम, तमिलनाडु (आरआरएस, टीएनएयु के सहयोग से) में तिल किसान मेलों का आयोजन किया। मेले का उद्देश्य निर्यात गुणवत्ता वाले तिल को बढ़ावा देना और तिल की मूल्य श्रृंखला को मजबूत करना था; तिल की खेती के लिए अच्छी कृषि पद्धतियों (जीएपी) के बारे में बताया गया। किसान मेले में 1000 किसान, आईसीएआर-आईआईओआर, आईओपीईपीसी, पीसी यूनिट (जबलपुर), स्थानीय प्रशासन, व्यापारी, निर्यात परिषद के वैज्ञानिक शामिल हुए। किसानों को गर्मियों की खेती के लिए तिल के पैकेज के तरीकों पर पैम्फलेट भी वितरित किए गए।

पीएम किसान सम्मेलन

संस्थान ने 17-10-2022 को गांवों में और आईसीएआर-आईआईओआर में भी पीएम किसान सम्मेलन गतिविधियों का आयोजन किया। किसानों को कृषि क्षेत्र में स्टार्टअप के महत्व से अवगत कराया गया। संस्थान में किसानों और एफपीओ सदस्यों को व्यावहारिक प्रशिक्षण प्रदान किया गया।

किसान दिवस

आईसीएआर-आईआईओआर ने 23 दिसंबर, 2022 को राजेंद्रनगर, हैदराबाद में किसान दिवस मनाया। तेलंगाना के विभिन्न जिलों के कुल 100 किसानों ने भाग लिया। अनुसंधान फार्मों के क्षेत्र दौरे आयोजित किए गए और वैज्ञानिकों ने तिलहनी फसलों में नवीनतम तकनीकों के बारे में बताया। किसान-वैज्ञानिक संवाद बैठक का आयोजन किया गया। आईसीएआर-आईआईओआर के निदेशक डॉ. आर. के. माथुर ने किसानों से जल संसाधनों का विवेकपूर्ण उपयोग करने का आग्रह किया है और जोर देकर कहा है कि सीमित संसाधनों के तहत फसल के महत्वपूर्ण चरणों का ज्ञान किसानों के लिए बहुत उपयोगी है। उन्होंने अतिरिक्त आय के लिए तिलहन फसलों को बागवानी फसलों में अंतरफसलों के रूप में उगाने की वकालत की। उन्होंने किसानों से तिलहन फसलों की उपज में सुधार के लिए नवीनतम तकनीकों को अपनाने का आग्रह किया।



Sesame Farmer's Mela

IOPEPC along with ICAR-IIOR organized sesame farmer's melas at Vriddhachalam, Tamil Nadu (in association with RRS, TNAU) on August 11, 2022. The purpose of the mela was to promote export quality sesame and to strengthen the value chain of sesame; Good Agricultural Practices (GAP) for sesame cultivation were explained. Farmers (1000), scientists from ICAR-IIOR, IOPEPC, PC unit (Jabalpur), local administratives, traders, export council attended the farmer's mela. Pamphlets on sesame package of practices for summer cultivation were distributed to farmers.

PM Kisan Sammelan

The institute organized PM Kisan Sammelan activities on 17-10-2022 in the villages and also at ICAR-IIOR. The farmers were made aware of the importance of the startups in the agricultural sector. Hands on training was provided to the farmers and FPO members at the institute.

Kisan Diwas

ICAR-IIOR celebrated Kisan Diwas on December 23, 2022 at Rajendranagar, Hyderabad. A total of 100 farmers from various districts of Telangana participated. Field visits to research farms were organized and the scientists explained the recent technologies in oilseed crops. A farmers-scientists interaction meeting was organized. Dr. R.K. Mathur, Director, ICAR-IIOR has urged the farmers to use water resources judiciously and stressed that the knowledge on the critical stages of the crop under limited resources is of immense use to the farmers. He advocated to grow the oilseed crops as intercrops in horticultural crops for additional income. He urged the farmers to adopt the latest technologies for improving the yield of the oilseed crops.





Farmers visit to ICAR-IIOR under Kisan Diwas

अनुसंधान कार्य और विभिन्न विश्वविद्यालयों/संस्थानों के छात्रों की सुविधा के लिए समझौता ज्ञापन

आईसीएआर-आईआईओआर ने दिशानिर्देशों में निहित प्रावधानों के अनुसार अत्याधुनिक क्षेत्रों में अकादमिक, अनुसंधान, प्रशिक्षण और गुणवत्ता स्नातकोत्तर अनुसंधान में सहयोग के लिए निम्नलिखित विश्वविद्यालयों/संस्थानों के साथ समझौता ज्ञापन किया ।

1. संस्कृति विश्वविद्यालय, मथुरा, यूपी 02.07.2022 को
2. डॉ. पीडीकेवी, अकोला, महाराष्ट्र 23.11.2022 को
3. टीएनएयु, कोयम्बटूर, तमिलनाडु 12.12.2022 को
4. सेंट थॉमस कॉलेज, पलाई, केरल 20.12.2022 को
5. लोयोला अकादमी, हैदराबाद 21.12.2022 को



MoUs for Research Work and Facilitating Students of Different Universities / Institutes

ICAR-IIOR made MoU with the following Universities / Institutes for collaboration in academic, research, training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the ICAR Guidelines.

1. Sanskriti University, Mathura, UP on 02.07.2022
2. Dr. PDKV, Akola, Maharashtra on 23.11.2022
3. TNAU, Coimbatore, Tamil Nadu on 12.12.2022
4. St. Thomas College, Palai, Kerala on 20.12.2022
5. Loyola Academy, Hyderabad on 21.12.2022



ICAR-IIOR made MoU with Sanskriti University, Mathura, UP

अनुबंध अनुसंधान सेवाएँ

आईसीएआर - आईआईओआर, हैदराबाद और मैसर्स वैलाग्रो इंडिया प्राइवेट लिमिटेड, हैदराबाद के बीच 11.10.2022 को "कैस्टर रूट रोट और मूंगफली स्टेम रोट के खिलाफ ट्राइकोडर्मा की जैव क्षमता पर अध्ययन" पर अनुबंध अनुसंधान सेवा के लिए एक एमओए पर हस्ताक्षर किए गए ।



Signing of MOA for Contract Research Services with M/s Valagro India Pvt. Ltd., Hyderabad

Contract Research Services

A MoA was signed between ICAR-IIOR, Hyderabad and M/s. Valagro India Pvt. Ltd., Hyderabad on 11.10.2022 for Contract Research Service on 'Studies on bioefficacy of *Trichoderma* against castor root rot and groundnut stem rot'.

किस्मों/संकरों/जैव कीटनाशकों का व्यावसायीकरण

1. कृषि विज्ञान विश्वविद्यालय, बेंगलुरु और आईसीएआर-आईआईओआर, हैदराबाद ने राष्ट्रीय डेयरी विकास बोर्ड (एनडीडीबी) और कर्नाटक सहकारी तिलहन उत्पादक संघ लिमिटेड (केओएफ), बेंगलुरु के साथ 19.12.2022 को सूरजमुखी संकर केबीएसएच-78 के व्यावसायीकरण के लिए एक लाइसेंस समझौते पर हस्ताक्षर किए।
2. आईसीएआर-आईआईओआर ने मैसर्स सिद्दगंगा ऑयल एंड बायो इंडस्ट्रीज एलएलपी, तुमकुर, कर्नाटक के साथ 19.11.2022 को बी. बेसियाना 30% एससी फॉर्मूलेशन के व्यावसायीकरण के लिए एमओए बनाया।

Commercialization of Varieties/ Hybrids/ Biopesticides

1. University of Agricultural Sciences, Bengaluru and ICAR-IIOR, Hyderabad have signed a license agreement with National Dairy Development Board (NDDB) and The Karnataka Co-operative Oilseeds Growers' Federation Limited (KOF), Bengaluru on 19.12.2022 for commercialization of sunflower hybrid KBSH-78.
2. ICAR-IIOR made MoA with M/s Siddaganga Oil and Bio Industries LLP, Tumkur, Karnataka on 19.11.2022 for commercialization of *B.bassiana* 30% SC formulation.



Commercialization of sunflower hybrid KBSH-78 with UAS, Bengaluru; NDDB, Bengaluru; KOF, Bengaluru and ICAR-IIOR, Hyderabad

मानव संसाधन विकास / HUMAN RESOURCE DEVELOPMENT**Participation in Training Programmes / Workshops / Seminars / Conferences / Meetings**

Name	Programme	Organizer(s) /Venue	Period
Dr. M. Sujatha	INSPIRE Level-2 Application selection committee meeting	Amarkantak, Madhya Pradesh	6-8 July, 2022
Dr. N. Mukta	XXXXVIII meeting of 'Plant germplasm registration committee' (Virtual mode)	ICAR-NBPGR, New Delhi	08 July, 2022
Dr. Praduman Yadav	GC solutions for speciality chemicals - India (Virtual mode)	Phenomenex India	14 July, 2022
Dr. C. Lavanya	Symposium on 'Tending Mendel's garden for perpetual and bountiful harvest'	ICAR-IARI, New Delhi	19-21 July, 2022
Dr. N. Mukta	Stakeholder meeting on 'Consultation on India's position on agenda for 9 th governing body meeting of ITPGRFA'	ICAR, New Delhi	05 August, 2022
Dr. A.L. Rathnakumar	Consultation meeting on 'Utilizing plant genetic resources employing traditional and modern tools in their basic or applied studies'	ICAR, New Delhi	05 August, 2022
Dr. T. Boopathi	4 th Prof. T. N. Ananthakrishnan memorial lecture & Prof. T. N. Ananthakrishnan award ceremony	The Prof. T. N. Ananthakrishnan foundation & southern regional centre, Zoological survey of India, Chennai	06 August, 2022
Dr. M. Sujatha, Dr. P. Duraimurugan	Sesame farmers mela	Vriddhachalam	11 August, 2022

Name	Programme	Organizer(s) /Venue	Period
Dr. H.H. Kumaraswamy	National webinar on 'The RNA isoform landscape of cancer'(Virtual mode)	PacBio	17 August, 2022
Dr. Mangesh.Y. Dudhe	National workshop on 'Pathways for the successful implementation of SC sub plan scheme in ICAR'	ICAR- NAARM, Hyderabad	18-19 August, 2022
Dr. C. Manimurugan, Dr. J. Jawaharlal	11 th National seed congress on 'Recent advances in research on quality seeds for self-sufficiency in oilseeds and pulses'	RVSKVV, Gwalior	21-23 August, 2022
Dr. M.Sujatha, Dr. R.D. Prasad, Dr. P.S. Srinivas, Dr. G.D. Satish Kumar, Dr. H.D. Pushpa, Dr. Kadirvel Palchamy, Dr. P. Padmavathi, Dr. K. Ramesh, Dr. Divya Ambati, Dr. N. Mukta, Dr. A.L. Ratna Kumar, Dr. T. Boopathi, Dr. Praduman Yadav	Annual group meeting of 'Safflower & linseed'	Dr. PDKV, Nagpur	01-02 September, 2022
Dr. M. Sujatha, Dr. A.L. Rathnakumar	Technical seminar on 'Crop improvement through biotechnology'	National Seed Association of India (NSAI), New Delhi, in Hyderabad	09 September, 2022
Dr. K.T. Ramya	'Gender-responsive plant breeding and seed systems in south asia' implemented jointly by Makerere university (Uganda) and Cornell, funded by the CGIAR GENDER platform	ICRISAT, Hyderabad	12-17 September, 2022
Dr. H.H. Kumaraswamy	International conference on 'Biotechnology trends & future prospects'	UAS, Bengaluru	13-15 September, 2022
Dr. M. Sujatha	Brainstorming session on 'Oilseeds research'	TNAU, Coimbatore	15 September, 2022
Dr. G. Suresh	International e-Itec program	NIPHM, Hyderabad	19-23 September, 2022
Dr. A.L. Rathnakumar	Expert committee meeting for reviewing the achievements of the NASF funded completed projects under the strategic area of 'Abiotic and biotic stresses and quality traits in plants, animals and fisheries' (Virtual mode)	NASF, ICAR, New Delhi	22 September, 2022
Dr. G. Suresh	National seminar on "Harnessing the potential of panchabhutas (tatvas) for sustainable climate resilient rainfed agriculture"	ICAR-CRIDA, Hyderabad	28-29 September, 2022
Dr. G.D. Satish Kumar	Online meeting on 'Mapping of FLD centres in PFMS' (Virtual mode)	ICAR-IIOR, Hyderabad	29 September, 2022
Dr. M. Sujatha	As member of the accreditation panel of the 'National Certification System of Tissue Cultured Plants (NCS-TCP)'	In site visit in Telangana	30 September, 2022
Dr. P. Duraimurugan	Seminar on 'Assessment of post-harvest losses of agri-produce in India' conducted by NABARD consultancy services (NABCONS)	India Habitat Centre, New Delhi	30 September, 2022
Dr. M. Sujatha	ICAR regional committee meeting	NRRI, Cuttack	14 October, 2022
Dr. M. Sujatha	89 th CVRC meeting (Virtual mode)	ICAR-IIOR, Hyderabad	26 October, 2022
Dr. Ratna Kumar Pasala, Dr. K.T. Ramya	International conference on 'Physiological and molecular mechanisms for abiotic stress tolerance in plants'	Calicut University	26-28 October, 2022
Dr. M. Sujatha	Participation in the release function of book entitled 'Sesame seed'on 4 th Indian Oilseeds & Produce Export Promotion Council (IOPEPC) global oilseeds conference	Hotel Hyatt Regency, Dubai, UAE	04-06, November, 2022

Name	Programme	Organizer(s) /Venue	Period
Dr. A.L. Rathnakumar	QRT meeting of 'AICRP-linseed'	ICAR-IIOR, Hyderabad, IGKV, Raipur	09-11 November, 2022
Dr. C. Sarada	TOT programme for 'CBBOs'	CCS NIAM, Jaipur	09-11 November, 2022
Dr. Mangesh .Y. Dudhe	DUS review meeting and foundation day celebrations	NASC complex by (PPV&FRA), New Delhi	10-11 November, 2022
Dr. K. Sankari Meena	International conference on 'Advances in applied zoological researches towards food, feed & nutritional security and safer environment'	Hotel Suryansh, Bhubaneswar	10-11 November, 2022
Dr. Praduman Yadav	Pirates of chromatography: Tales of sharp peaks-India (Virtual mode)	Phenomenex India	10 November, 2022
Dr. Mangesh Y. Dudhe	Application of bioinformatics in agriculture	ICAR-NAARM, Hyderabad	15-24 November, 2022
Dr. P Lakshamma, Shri V. Sambasiva Rao	National workshop cum awareness program on 'J Gate @ CeRA' (Virtual mode)	ICAR-Agricultural Education Division, New Delhi	21 November, 2022
Shri Y. Venkateswara Rao	Training programme on 'Automobile maintenance, road safety and behavioural skills'	CIAE, Bhopal	21-26 November, 2022
Dr. Divya Ambati	Training course on "New crop breeding technologies"	ICRISAT, Hyderabad	21 November - 11 December, 2022
Dr. G. Suresh	International conference on 'Reimagining agro eco-systems: challenge and opportunity'	ICAR-CRIDA, Hyderabad	22-24, December 2022
Dr. H.P. Meena, Dr. H.D. Pushpa	National conference on 'Plant genetic resource management 2022'	ICAR-NBPGR, New Delhi	22-24 November, 2022
Dr. P. Duraimurugan	Inception workshop on 'State biodiversity strategy and action plan (SBSAP) 2022-2032 for Telangana state'	Plaza Hotel, Hyderabad	22 November, 2022
Dr. J. Jawaharlal	International seminar on 'Strengthening of seed supply systems for food security: from breeders to farmers' organized by TSSDC	Novotel Hotel, Hyderabad	26 November, 2022
Dr. R.D. Prasad, Dr. G. Suresh, Dr. Md. A. Aziz Qureshi	World soil day and interaction meeting with stakeholders	Jakkapur, Siddipet, Telngana State	05 December, 2022
Dr. R.K. Mathur, Dr. S.V. Ramana Rao, Dr. C. Lavanya, Dr. P. Lakshamma, Dr. P. Duraimurugan, Dr. K.T. Ramya	World soil day and interaction meeting with stakeholders	Rampur, Dharur Mandal, Vikarabad	05 December, 2022
Dr. P. Padmavathi	Training on 'Data entry form'	ICAR-IIOR, Hyderabad	06 December, 2022
Dr. P. Padmavathi	Training programme on 'GAP and seed production in safflower' (Virtual mode)	ICAR-IIOR, Hyderabad	06 December, 2022
Dr. P. Duraimurugan, Dr. T. Boopathi	3 rd National symposium entomology 2022: Innovation and entrepreneurship	PJTSAU, Entomological Society of India, Plant Protection Association of India, Agri Biotech Foundation, Hyderabad	08-10 December, 2022
Dr. S.V. Ramana Rao, Dr. K. Aivelu	International conference on 'System of crop intensification (ICSCI 2022) for climate smart livelihood and nutritional security'	ICAR-IIRR, Hyderabad	12-14 December, 2022

Name	Programme	Organizer(s) /Venue	Period
Dr. Praduman Yadav, Dr. K. Sankari Meena, Mrs. B. Usha Kiran	NABL laboratory assessors training course on 'ISO/IEC 17025:2017'	ICAR-NAARM, Hyderabad	19-23 December, 2022
Dr. P. Padmavathi, Dr. G. Suresh	Bee keeping in oilseeds for increasing the productivity and income of farmers	ICAR-IIOR, Hyderabad	21-23 December, 2022
Dr. P. Ratnakumar	National Conference of 'Plant physiology-west zone'	NAU, Navsari	22 December, 2022
Dr. G. Suresh, Dr. S.V. Ramana Rao, Dr. K. Ramesh, Dr. P. Duraimurugan, Dr. Anil Kumar, Dr. H.D. Pushpa	International Conference on 'Reimaging rainfed agro-ecosystems: challenges & opportunities' (ICRA-2022)	ICAR-CRIDA, Hyderabad	22-24 December, 2022
Dr. C. Sarada, Dr. K. Alivelu	Two-days national e-workshop on 'Data science & big data analytics using R (ICON-KSRAO, 2022)'	Andhra University, Visakhapatnam	27-28 December, 2022
Dr. C. Sarada, Dr. K. Alivelu	International conference on 'Knowledge discoveries on statistical innovations & recent advances in optimization' (ICON-KSRAO)	Andhra University, Visakhapatnam	29-30 December, 2022
Shri N. Vasanth	Training programme on 'Selection, adjustment, operation and maintenance of agricultural implements for field and horticultural crops'	ICAR-CIAE, Bhopal	29 December, 2022 - 07 January, 2023

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- Kumar GDS, Babu, SNS and Sujatha M 2022. Diversification of summer paddy through sunflower crop value chain. *Intensive Agriculture*, **56**(1): 23-25.
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- Raghavaiah CV, Sujatha M and Ramesh K 2022. *Proddutirugudu Sagu Perigena* (in Telugu). *Annadata*, 44-46.
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Extension Folder

- “तीळव्यवस्थापन” आय.सी.ए.आर.- भारतीयतेलबियासंशोधनसंस्थारा जेंद्रनगर, हैदराबाद -५०००३०, तेलंगणा राज्य.

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- Duraimurugan P, Bharathi E and Sujatha M 2022. Training manual on ‘Mass production and formulation of *Bacillus thuringiensis*’. ICAR-Indian Institute of Oilseeds Research, Hyderabad. 28p.

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 - प्रद्युमनयादव, श्रावती, जे., मीना, एच.पी., रम्या, के.टी. एवंसुजाता, एम. 2022. तिल की पोषण गुणवता. <http://vikaspedia.in>.
- Policy paper**
- Dastagiri MB, Kareemulla K, Venkateshwarlu G, Sujatha M, Yashavanth BS, Shobha Thakur, Srivastava BK, Ramsingh RK, Mathur RK, Srivastava K, Rai PK, Mehta BV and Srinivasa Rao Ch 2022. Self-sufficiency in edible oilseeds in India: Strategies and policies. NAARM, Hyderabad, India. 26p.
- Film**
- IIOR in collaboration with IOPEPC developed a film on Gaps to GAPs (Good Agricultural Practices) in Sesame and released it on 5th November, 2022 at Dubai.
- Awards**
- Dr. H.H. Kumaraswamy, Scientist (Biotechnology) received the 'Best oral presentation' award for the paper titled "DNA fingerprinting of microsatellite loci in sesame (*Sesamum indicum* L.): Opportunities and challenges" in an International conference on 'Biotechnology trends and future prospects' organized by the Department of Biotechnology, University of Agricultural Sciences, Bengaluru at GKVK Campus of UAS Bengaluru during 13-15 September, 2022.
 - Dr. J. Jawahar Lal, Sr. Scientist (Plant Breeding) was awarded second prize for oral paper presentation on 'Quality seed production of safflower to promote area expansion in non-traditional regions in Maharashtra' in the 11th National seed congress on 'Recent advances in research on quality seeds for self-sufficiency in oilseeds and pulses' from 21-23 August, 2022 at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, India.
 - Dr. H.P. Meena, Sr. Scientist (Plant Breeding) received 'Distinguished agriculture scientist award-2022' for excellent contribution in the field of Plant Breeding from the Society for Advancement in Agricultural Technology & Development (SAATD), Uttarakhand.
 - Dr. Mangesh Y. Dudhe, Sr. Scientist (Plant Breeding) received INSA travel fellowship for the year 2022 to attend the 20th International Sunflower Conference (ISC) at Novi Sad, Serbia organized by the Institute of Field and Vegetable Crops Novi Sad (IFVCNS), Serbia in collaboration with International Sunflower Association (ISA) during 20-23 June, 2022.
 - Dr. P. Ratna Kumar, Principal Scientist (Plant Physiology); Dr. Mangesh Y. Dudhe, Sr. Scientist (Plant Breeding); Dr. K. Ramesh, Principal Scientist (Agronomy) and Mrs. B. Usha Kiran, Scientist (Biotechnology) received the Best research paper award-2022 to Panday BB, Ratna Kumar P, Kiran BU, Dudhe MY, Lakshmi GS, Ramesh K and Guhey A for the paper entitled as 'Identifying traits associated with terminal drought tolerance in sesame (*Sesamum indicum* L.) genotypes' in Frontier in Plant Science, by the ICAR-IIOR during the 45th Foundation day celebration on 1 August, 2022.
 - Dr. Divya Ambati, Scientist (Plant Breeding) received, 'Carlotta 2nd edition special mention award' during International conference 'From seed to pasta IV' held at Bologna, Italy from 26-29 October, 2022.
 - Mrs. K.S.V.P. Chandrika, Scientist (Agril.Chemicals) and Dr. R.D. Prasad, Principal Scientist (Plant Pathology) received best oral presentation award for the paper 'Evaluation of a novel biopolymer based *Trichoderma harzianum*, Th4d formulations for management of seed and soil borne diseases of oilseed crops under field conditions' authored by Chandrika KSVP and Prasad RD at the IPS 8th International conference (Hybrid mode) on 'Plant pathology: Retrospect and prospects' organized by SKN Agriculture University, Jobner-Jaipur, Rajasthan, India, during 23-26 March, 2022.
 - Mrs. K.S.V.P. Chandrika, Scientist (Agril. Chemicals) received 'Young researcher award' for the work on 'Evaluation of a novel biopolymer-based *Trichoderma harzianum*, Th4d formulations against seed and soil borne disease of oilseed crops under field conditions' in the Satellite workshop on *Trichoderma* and *Gliocladium* on March 25, 2022 during IPSCONF2022 held at SKNAU, Jobner-Jaipur, Rajasthan, India.

- Dr. T. Boopathi, Sr. Scientist (Entomology) received Prof. T. N. Ananthakrishnan award for the biennium 2020-21 *i.e.*, Senior Scientist award-First position by Prof. T.N. Ananthakrishnan Foundation, Madanandapuram, Chennai, Tamil Nadu, India during 6 August, 2022.
- Dr. K. Sankari Meena, Scientist (Nematology) received Dr. B. Vasantharaj David Award-2022 from Applied Zoologists Research Association conferred during AZRA International Conference on 'Advances in applied zoological researches towards food, feed & nutritional security and safer environment, held at Odisha, India during 10-11, November, 2022.
- Dr. J. Jawahar Lal, Sr. Scientist (Plant Breeding) received appreciation letter from Sri. M. Venkateshwarlu, IAS, Former VC & MD, APHDC for contribution towards farming society and services of seed section to the farmers.
- Dr. H.H. Kumaraswamy, Scientist (Biotechnology) is a fellow of Indian Society of Oilseeds Research (ISOR), Hyderabad, India.

Meetings attended / Recognition

- Dr. M. Sujatha, Director (A) participated in the INSPIRE Level-2 application selection committee meeting at Amarkantak, Madhya Pradesh from 6-8 July, 2023.
- Dr. M. Sujatha, Director (A) organized and participated in the sesame farmers mela at Vriddhachalam on 11 August, 2022.
- Dr. M. Sujatha, Director (A) participated in the technical seminar on crop improvement through biotechnology organized by NSAI at Hyderabad on 9 September, 2022.
- Dr. M. Sujatha, Director (A) participated in the Brainstorming Session on Oilseeds Research at TNAU on 15 September, 2022.
- Dr. M. Sujatha, Director (A) as member of the accreditation panel of the National Certification System of Tissue Cultured Plants (NCS-TCP) participated in site visit in Telangana on 30 September, 2022.
- Dr. M. Sujatha, Director (A) participated in the ICAR regional committee meeting at Cuttack on 14 October, 2022.
- Dr. M. Sujatha, Director (A) participated in the 89th CVRC meeting on 26 October, 2022.
- Dr. M. Sujatha, Director (A) participated in the QRT meeting on AICRP-Niger organized at Araku, Vishakhapatnam from 24-25 November, 2022.
- Dr. M. Sujatha, Director (A) participated in the regional committee VII meeting on 12 December, 2022.
- Dr. M. Sujatha, Director (A) served as member for evaluation of project proposals for award of SreePVF agricultural grants.
- Dr. M. Sujatha, Director (A) served as a member of the accreditation panel of NCS-TCP, NIPGR and conducted site visits for renewal/recognition of tissue culture facilities.
- Dr. M. Sujatha, Director (A) served as Chairman for review of the progress of the project 'Shuddhta: Design, development & deployment of electronics quality assessment system for edible oils' being implemented by C-DAC Kolkata jointly with Krishi Vigyan Kendra, Akola, Maharashtra and funded by Ministry of Electronics and Information Technology.
- Dr. M. Sujatha, Director (A) was a member of the IBSC of ICAR-Directorate of Poultry Research, Hyderabad.
- Dr. M. Sujatha, Director (A) served as a member of the INSPIRE (DST) selection committee for evaluation of level-2 applications in agriculture.
- Dr. M. Sujatha, Director (A) has been nominated as co-chair of the committee constituted by DBT for reviewing the DBT-UDSC Partnership Centre on Genetic Manipulation of Brassicas-Phase-II proposal.
- Dr. P.S. Srinivas, Principal Scientist (Agril. Entomology) was nominated as member, Research Advisory Group, IFB (ICFRE), Hyderabad
- Dr. K. Sankari Meena, Scientist (Entomology) served as adjunct faculty in PJTSAU, Rajendranagar, Hyderabad for the first year M.Sc. Ag. Plant Pathology students to teach Plant Nematology (PL PATH 504) course during 2022.
- Dr. S.V. Ramana Rao, Principal Scientist (Ag. Economics) acted as external expert member of ITMC, ICAR-DPR, Hyderabad.
- Dr. S.V. Ramana Rao, Principal Scientist (Agril. Economics) acted as external expert in the field of Agricultural Economics for CAS, PJTSAU, Hyderabad.
- Dr. S.V. Ramana Rao, Principal Scientist (Agril. Economics) acted as member, State Level Technical Committee (SLTC)-Scale of Finance, Telangana State Co-operative Axis Bank Ltd, Hyderabad.
- Dr. Mangesh Y. Dudhe, Senior Scientist (Plant Breeding) Co-chaired the sessions in the 20th International Sunflower Conference (ISC) at Novi Sad, Serbia organized by the Institute of Field and Vegetable Crops Novi Sad (IFVCNS), Serbia in collaboration with International Sunflower Association (ISA) during 20-23 June, 2022 in the Section 4: Genetic resources session - Investment for the future moderators along with Dr. Sreten Terzić, Serbia.

Chairman/Member of committees/Panels

- Dr. M. Sujatha, Director (A) served as member of IMC of ICAR-DRMR, Bharatpur.
- Dr. M. Sujatha, Director (A) served as board member of International Sunflower Association, Toulouse, France.

- Mrs. B. Usha Kiran, Scientist (Biotechnology) has been recognized and received accreditation for teaching or guiding post graduate students of PJTSAU, Hyderabad.
- Dr. V. Dinesh Kumar, Principal Scientist (Biotechnology) continued as IMC member of ICAR-National Institute for Plant Biotechnology, IARI Campus New Delhi; ICAR-Indian Institute of Agricultural Biotechnology, Ranchi, Jharkhand and ICAR-Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh.
- Dr. V. Dinesh Kumar, Principal Scientist (Biotechnology) was nominated by Director General to be on career advancement scheme meetings to evaluate scientists of Plant Biotechnology of ICAR-IIRR, Hyderabad, ICAR-NIPB, New Delhi and ICAR-CTRI, Rajahmundry.
- Dr. P. Ratna Kumar, Principal Scientist (Plant Physiology) is serving as a scientific advisory member for DBT- BIG scheme of BIRAC.

Editor of journals/proceedings

- Dr. Senthilvel Senapathy, Principal Scientist (Pl. Breeding) acted as a member of editorial board of the journal 'Scientific Reports'.
- Dr. H.P. Meena, Senior Scientist (Pl. Breeding) acted as a co-editor of the proceedings book of the 4th International conference on "Natural resource management for climate smart agriculture."
- Dr. P.S. Srinivas, Principal Scientist (Agricultural Entomology) recognized as associate editor of Journal of Allium Research, Indian Society of Alliums, Rajgurunagar, Pune, Maharashtra.
- Dr. P. Duraimurugan, Principal Scientist (Agricultural Entomology) was recognized as editorial review board member, *Journal of Food, Agriculture and Environment, WFL Publisher (Science and Technology)*, Finland.
- Dr. P. Duraimurugan, Principal Scientist (Agricultural Entomology) was recognized as associate editor, editorial board, Journal of Oilseeds Research, Indian Society of Oilseeds Research, ICAR-IIOR, Hyderabad.
- Dr. P. Duraimurugan, Principal Scientist (Agricultural Entomology) was recognized as editorial board member, *The Journal of Research ANGRAU*, ANGRAU, Guntur, Andhra Pradesh.
- Mrs. B. Usha Kiran, Scientist (Biotechnology) was recognized as an Editorial Board Member of *Journal of Genetics, Genomics and Plant Breeding (JGGBB)*, India.
- Dr. H.H. Kumaraswamy, Scientist (Biotechnology) was recognized as editorial member for International Journal of

Agricultural Sciences, published by Bioinfo Publications, Pune, Maharashtra, India.

- Dr. H.H. Kumaraswamy, Scientist (Biotechnology) was recognized as editorial member for ACTA Scientific Agriculture, published by ACTA Scientific Publications Pvt. Ltd., Hyderabad, Telangana, India.
- Dr. H.H. Kumaraswamy, Scientist (Biotechnology) was recognized as editorial member for a monthly e-newsletter 'Science for Agriculture and Allied Sectors (AGRIALLIS)', published by Growing Seed (Social Welfare Organization), Dharmanagar, North Tripura, India.
- Dr. J. Jawaharlal, Senior Scientist (Plant Breeding) was nominated as editorial board member of *Journal of International Academic Research for Multidisciplinary (JIARM)*.
- Dr. K. Ramesh, Principal Scientist (Agronomy) acted as review editor of Frontiers in Plant Sciences.
- Dr. P. Ratna Kumar, Principal Scientist (Plant Physiology) is serving as an editor for Frontiers of Plant Science Journal and Plant Physiology Reports.
- Dr. P. Ratna Kumar, Principal Scientist (Plant Physiology) is serving as an academic editor for PeerJ journal.

Lectures delivered

- Dr. R.D. Prasad, Principal Scientist (Plant Pathology) delivered a lecture on "Production Protocol for Biocontrol agents (Predators, parasitoids, microbial bio pesticides & bio fertilizers)" to the participants of the Training program on "Production protocol for Bio fertilizers and Bio-control agents" for the training programme conducted by NIPHM, Rajendranagar on 18 July, 2022.
- Dr. Ch. Sarada, Principal Scientist (Agril. Statistics) delivered a lecture as key guest speaker on "Principles and Practices for Modern Smart Agriculture to the participants of ATAL AICTE sponsored FDP titled "A Holistic approach for Sustainable and Smart Agriculture Using AI And Deep Learning Techniques" KLH, Hyderabad (Virtual mode) during 5-16 September, 2022.
- Dr. G.D. Satish Kumar, Principal Scientist (Agril. Extension) delivered a lecture on "Extension strategies for Promotion of precision Farming" to the participants of the on campus training program on "Precision Farming in Agri. and Horticulture Sectors" conducted by the Extension Education Institute, PJTSAU, Rajendranagar, Hyderabad during 26-30 September, 2022.
- Dr. P. Duraimurugan, Principal Scientist (Agril. Entomology) delivered a lead lecture on "Post-Harvest Losses in Oilseeds and its Management during the National Seminar on "Assessment

of Post-Harvest Losses of Agri-Produce in India” organized at NABARD Consultancy Services (NABCONS), India Habitat Centre, Lodhi Road, New Delhi on 30 September, 2022.

- Dr. G.D. Satish Kumar delivered a lecture on “Developing and Identifying Indicators for Monitoring and Evaluation. Planning, Monitoring and Evaluation of Development Programmes and Projects” for the officers of Department of Agriculture and Allied Sectors, South Indian States and UTs, Extension Education Institute, Hyderabad (Virtual mode) during 11-15 October, 2022.
- Dr. C. Sarada delivered a lecture as chief guest on “Impact of Artificial Intelligence in the field of Agriculture. ATAL AICTE sponsored FDP titled Impact of Artificial Intelligence in the field of Agriculture”, Department of Computer Science and Engineering, Malla Reddy Engineering College, Secunderabad 17.10.2022.
- Dr. C. Lavanya delivered a lecture on “Status of oilseed genetic resources in a Multi-stakeholders” in the Workshop to develop a plan towards mainstreaming the landraces / traditional varieties-particularly NUS crops collaborative event between CROPS4HD (Consumption of Resilient Orphan Crops & Products for Healthier Diets), SWISSAID, FiBL (Research Institute of Organic Agriculture), and AFSA (Alliance for Food Sovereignty in Africa), at IMAGE, Bhubaneswar during 7 - 8 November, 2022.
- Dr. G.D. Satish Kumar delivered a lecture on “Building High Performance Teams” in the Training programme on “Behavioral Skills for Extension Professionals” for the officers of Department of Agriculture and Allied Sectors, South Indian States and UTs. Extension Education Institute, Hyderabad (Virtual mode) during 15-19 November, 2022.
- Dr. G.D. Satish Kumar delivered a lecture on “Analytical and Goal Setting Skills” during the training programme on “MDP for Women Officers in Agri. and Allied Sectors” Extension Education Institute, Hyderabad (Virtual mode) during 21-25 November, 2022.
- Dr. V. Dinesh Kumar delivered a lecture on “RNA seq and its applications in Agriculture” in the training programme “Recent Bioinformatics Tools for Genome and Proteome Analysis” at ICAR-NAARM, Hyderabad (Virtual mode) on 23 November, 2022.
- Dr. G.D. Satish Kumar delivered a lecture on “Developing and Identifying Indicators for Impact assessment” during the training on “Planning, Monitoring and Evaluation

for Impact Assessment to the officers of Department of Agriculture and Allied Sectors of Southern States i.e. Andhra Pradesh, Telangana, Karnataka, Tamil Nadu, Kerala, Odisha, Puducherry, Andaman & Nicobar Islands and Lakshadweep. Extension Education Institute, Hyderabad on 24 November, 2022.

- Dr. P.S. Srinivas delivered a lecture on “Management of insect pests of oilseed crops” during the training programme on Skill development on ‘Bee keeping in oilseeds for increasing the productivity and income of farmers’ at ICAR-IIOR, Hyderabad during 21-23 December, 2022.

कार्मिक / PERSONNEL

Promotions

Name	Position/Grade	Effective Date
Dr. Ramya, K T	Promoted to level 12	21 April, 2019
Dr. H.P. Meena	Promoted to level 12	11 May, 2019
Dr. Praduman Yadav	Promoted to level 12	11 May, 2019
Smt. K.S.V.P. Chandrika	Promoted to level 11	01 January, 2020
Smt. B. Usah Kiran	Promoted to level 13A	10 February, 2020
Smt. P. Mary	Promoted to Sr. Technician (T-2)	25 April, 2020
Shri. J. Narasimha	Promoted to Sr. Technician (T-2)	25 April, 2020
Dr. Boopathi T.	Promoted to level 13A	08 January, 2020
Dr. Mangesh Y. Dudhe	Promoted to level 13A	26 June, 2020
Dr. T. Manjunatha	Promoted to level 13A	12 April, 2021
Dr. Jawaharlal Jatothu	Promoted to level 13A	15 December, 2021
Dr. Ramya, K.T.	Promoted to level 13A	21 April, 2022
Dr. Praduman Yadav	Promoted to level 13A	10 May, 2022
Dr. H.P. Meena	Promoted to level 13A	10 May, 2022

स्थानांतरण / TRANSFER/JOINING

Name	Post	From	To	Date
Dr. Anil Kumar	Senior Scientist (Genetics and Plant Breeding)	ICAR-CRIJAF, Kolkata	ICAR-IIOR, Hyderabad	05 September, 2022

Visit Abroad

- Dr. M. Sujatha, Director (A) visited Dubai to participate in the IOPEPC Global Oilseeds Conference (IGOC 2022) during 4-6 November, 2022.

हिन्दी गतिविधियाँ / HINDI ACTIVITIES

राजभाषा संसदीय समिति का निरीक्षण

संसदीय राजभाषा समिति के सदस्य सांसद सुशील कुमार गुप्ता, सांसद रंजन बेनभट्ट एवं सांसद श्रीमती संगीतायादव ने दूसरी उप समिति की संयोजिका सांसदप्रो. रीताबहुगुणा जोशी के नेतृत्व में अन्य कार्यों के साथ-साथ भाकृअनुप-भारतीय तिलहन अनुसंधान संस्थान का 25 अगस्त, 2022 को संस्थानमें राजभाषा हिन्दी को आगे बढ़ानेव राजभाषा हिन्दी अनुपालन के लिए किए जा रहे कार्यों का निरीक्षण किया।

समिति ने संस्थान के राजभाषा कार्यान्वयन पर संतोष प्रकट किया। विशेषतःसभी तिमाही बैठक निदेशक महोदय की अध्यक्षता में संपन्न हुई तथा वे नगर राजभाषा कार्यान्वयन समिति की बैठक में भी नियमित रूप से भाग लेते हैं। इस से यह ज्ञात होता है कि कार्यालय प्रधान राजभाषा कार्यान्वयन

को लेकर सजग है। कार्यालय ने वार्षिक कार्यक्रम के अन्य मुद्दों के साथ-साथ पत्राचार, धारा 3 (3) जैसे प्रमुख मुद्दों का अच्छे से अनुपालन किया है। समिति ने संस्थान के राजभाषा कार्यान्वयन पर प्रसन्नता व्यक्त करने के साथ-साथ समिति की संयोजिका सांसद प्रो. रीताबहुगुणा जोशी ने अकादमी को प्रशंसा पत्र भी प्रदान किया।

इस बैठक में संस्थान की ओर से डॉ. एम. सुजाता, निदेशक (का.), भारतीय तिलहन अनुसंधान संस्थान, डॉ. संजीव गुप्ता, सहायक महा निदेशक, भाकृअनुप, नई दिल्ली, श्री. ओम प्रकाश जोशी, सहायक मुख्य तकनीकी अधिकारी, भाकृअनुप, नई दिल्ली, डॉ. प्रद्युम्न यादव, वरिष्ठ वैज्ञानिक, भारतीय तिलहन अनुसंधान संस्थान, डॉ. हरिप्रकाश मीणा, वरिष्ठ वैज्ञानिक, भारतीय तिलहन अनुसंधान संस्थान, श्री. मुकुलराज सिंह, प्रभारी वरिष्ठ प्रशासनिक अधिकारी, श्री. विनोदकुमार साहु, वरिष्ठ वित्त एवं लेखा अधिकारी श्री. प्रदीप सिंह, सहायक निदेशक (रा. भा), भारतीय तिलहन अनुसंधान संस्थान ने भाग लिया।

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