



PBS 29079B- A novel genetic stock with large seed size in groundnut

Groundnut is considered as an important oil seed throughout the world and having a unique nutritional composition. According to the utilization pattern groundnut can be categorized into oil types and confectionary types. In confectionary type groundnut, there are some important trade attributes. In developing new varieties with quality characteristics for confectionary products seed size is one of the important traits. Groundnut kernels are utilized in various ways viz., snack food, peanut butter, oil, and other products. Presently, there is great demand for large seeded confectionary groundnut types for export purpose. Kernel size coupled with the nutritional quality can also determine the worth of groundnut for direct consumption.

Evaluation of promising advanced breeding lines developed from various crosses for confectionary traits improvement at ICAR-DGR, Junagadh during *kharif*, 2018, 2019 and summer 2018, 2019 revealed a novel genetic stock, PBS 29079B with kernel length of 1.98 cm, kernel width of 0.9 cm and high hundred kernel weight of >72g. It recorded 43 g of pod weight per plant, 121.97 g of hundred kernel weight (HKW) with kernel length of 2.26 cm and kernel width of 1.03 cm at Bikaner, Rajasthan during *kharif*, 2019. This genotype contains 30 % of protein and 48 % of oil. This Virginia bunch advanced breeding line was suitable for confectionary purpose or can be used as donor parent in groundnut breeding programme for developing confectionary varieties.

Inputs: Praveen Kona, Gangadhara K, Narendra Kumar, Ajay BC

Reduction in phytic acid content by water soaking

Groundnut seed has 2-3 times more Zinc (Zn) and Iron (Fe) content than many cereals and is a good source of micronutrients. But high phytate content which is an anti-nutrient may be a bottleneck in making these micronutrients available for consumption. Thus a study was conducted to observe changes in the phytic acid, Zn and Fe content during different processing

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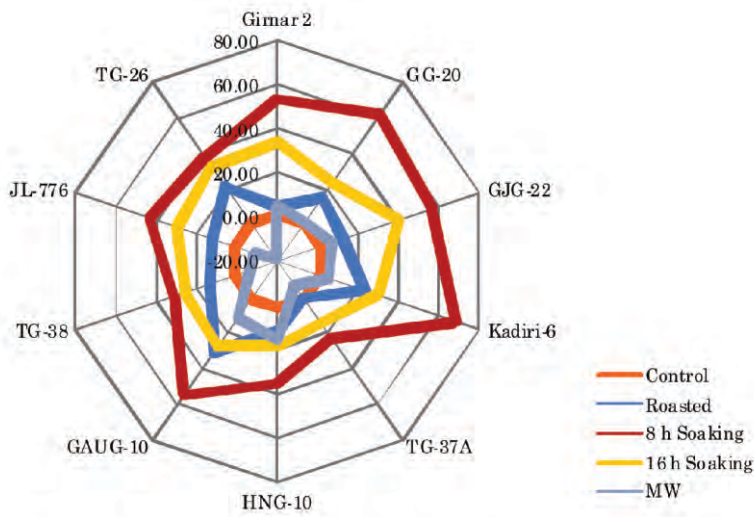
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Percent reduction in phytic acid content

techniques like water soaking for 8 H and 16 H (2:1 ratio), roasting (160°C for 12 min) and microwave (900W for 3 min) irradiation. Moisture, phytic acid, Zn and Fe content were determined in raw, roasted, water-soaked and MW-irradiated samples. Seed soaking for 8 h caused a significant reduction in phytic acid (23-68%) content followed by microwave irradiation and roasting as compared to raw samples. However, extending soaking for 16 h could not reduce phytic acid content when compared to 8 h soaking. Zn and Fe content in all treated samples were negatively correlated with phytic acid content. The results propose the benefits of water soaking as a possible alternative and processing technique for reducing phytic acid and improving mineral (Zinc and Iron) content which can potentially help in alleviating emerging problem of malnutrition.

Inputs: Aman Verma, Lokesh K Thawait, Sushmita Singh, Mahatma MK, Singh AL

ICAR-DGR observed Parthenium Awareness Week

ICAR-DGR, Junagadh observed *Parthenium* Awareness Week (PAW) with full zeal during 16-22 August, 2019. The awareness programme was conducted in four villages of Junagadh district and taluka viz., Anandpur, Bilkha, Khadiya and Toraniya. The entire programme was monitored and coordinated by Dr. Ram A Jat, Senior



Anandpur



Bilkha



Khadiya



Toraniya

ICAR-DGR staff visit to various villages during parthenium awareness week

Scientist (Agronomy). Sh. PV Zala (CTO) explained to farmers about the deteriorative effects of congress grass on the human and farm animal health. Sh. PV Zala emphasized that the congress grass causes allergy, dermatitis, skin lesions and bronchitis in milch animals and human beings. Dr. KK Reddy highlighted to farmers that the congress grass produces 25,000 seeds/plant and 0.62 billion pollen/plant. Sh. PV Zala underscored that the congress grass inhibits the germination (allelopathy), radical growth, activity of nitrogen fixing and nitrifying bacteria and acts as collateral host for many diseases caused by viruses in crop plants. Dr. KK Reddy pointed out to farmers that the parthenium weed can be controlled effectively by uprooting before seed setting, spray of 2, 4-D or glyphosate, application of leaf-feeding beetle (*Zygogramma bicolorata*) and the stem galling moth (*Epiblema strenuana*). Farmers' appreciated the awareness program conducted by ICAR-DGR.

Inputs: Ram A Jat, Zala PV and Reddy KK

21st Research Advisory Committee (RAC) Meeting

The 21st meeting of the Research Advisory Committee was held at ICAR-DGR, Junagadh from 12-13th September 2019. The meeting was chaired by Dr. A Bandyopadhyay with RAC members Dr. IU Dhruj, Dr. BB Singh, Dr. LM Garnayak, Sh. Mahendrabhai Pithiya, Sh. Vrajlalbhai Hirpara and Dr. Radhakrishnan T., Director, ICAR-DGR, Junagadh. The meeting started with the welcome of RAC members by Dr. Radhakrishnan T, Director, followed by self- introduction of the participants. The Director presented an outline of the groundnut situation in India, the research programmes being carried out in the Directorate and the major achievements so far, the last QRT report and his views on the direction of research and technology development that should be pursued. Dr. MK Mahatma, Member Secretary, RAC presented the action taken report on the recommendations of the last meeting of RAC held on 27th and 28th March 2018. Work done report of the ongoing projects were delivered before the committee for extensive discussion and the future work plan was tweaked as per the suggestions of the research advisory committee.



हिन्दी सप्ताह

भाकृअनुप-मूँगाफली अनुसंधान निदेशालय, जूनागढ़ द्वारा हिन्दी सप्ताह का आयोजन दिनांक 16.09.2019 से 20.09.2019 तक निदेशालय कार्यलय में किया गया | इस दौरान निम्नलिखित प्रतियोगिताओ का आयोजन किया गया | दिनांक 16.09.2019 को हिन्दी श्रुति लेखन प्रतियोगिता का आयोजन किया गया | इस प्रतियोगिता में निदेशालय कार्यलय के वैज्ञानिको, तकनीक एवं प्रशासनिक वर्ग से सम्बंधित अधिकारियो एवं कर्मचारियो ने भाग लिया | दिनांक 18.09.2019 को मौखिक प्रश्नोत्तरी का एवं 20.09.2019 को निबंध लेखन प्रतियोगिता का आयोजन किया गया | दिनांक 21.09.2019 को हिन्दी सप्ताह के आयोजन का समापन किया गया | इस अवसर पर सभी विजेताओ को निदेशक महोदय द्वारा पुरस्कार दिए गए |

नगर राजभाषा कार्यान्वयन समिति (नराकास)-जूनागढ़ की वर्ष 2019 की द्वितीय छमाही बैठक

दिनांक 25 सितम्बर, 2019 को 'नगर राजभाषा कार्यान्वयन समिति' (नराकास)-जूनागढ़ की वर्ष 2019 की द्वितीय छमाही बैठक, भाकृअनुप-मूँगफली अनुसंधान निदेशालय, जूनागढ़ में आयोजित की गयी। बैठक में इस निदेशालय सहित कुल 13 सदस्य कार्यालयों ने भाग लिया। यह बैठक डॉ. राधाकृष्णन टी, निदेशक, भाकृअनुप-मूँगफली अनुसंधान निदेशालय, जूनागढ़ एवं अध्यक्ष, नगर राजभाषा कार्यान्वयन समिति, जूनागढ़ की अध्यक्षता में आयोजित की गयी। बैठक का संयोजन एवं समन्वयन श्री इन्द्र राज मीना, हिंदी अधिकारी एवं नराकास सचिव, भाकृअनुप-मूँगफली अनुसंधान निदेशालय, जूनागढ़ द्वारा किया गया।

नराकास-जूनागढ़ की वर्ष 2019 की द्वितीय छमाही बैठक में भाकृअनुप-मूँगफली अनुसंधान निदेशालय, जूनागढ़ के अलावा जिन सदस्य कार्यालयों ने भाग लिया, वे इस प्रकार हैं: कार्पोरेशन बैंक जूनागढ़, केनरा बैंक जूनागढ़, आयकर विभाग जूनागढ़, केन्द्रीय विद्यालय जूनागढ़, भारतीय स्टेट बैंक जूनागढ़, बैंक आफ बड़ौदा, विजया बैंक जूनागढ़, भारतीय जीवन बीमा निगम जूनागढ़, भारतीय विमानपत्तन प्राधिकरण केशोद, भारतीय डाक विभाग जूनागढ़, आंध्रा बैंक जूनागढ़, पंजाब नेशनल बैंक जूनागढ़ के अधिकारी एवं कर्मचारी उपस्थित रहे। अध्यक्ष महोदय ने भाकृअनुप-मूँगफली अनुसंधान निदेशालय, जूनागढ़ द्वारा राजभाषा हिंदी के उत्थान हेतु किये जा रहे सतत प्रयासों की सराहना की तथा निदेशालयको केंद्र सरकार के राजभाषा नियम 1976 के 10(4) के अंतर्गत अधिसूचित होने के लिए निदेशालय के सभी कर्मचारियों की सराहना की और उल्लेखित लक्ष्य को बनाये रखने का आग्रह किया।

भाकृअनुप-मूँगफली अनुसंधान निदेशालय, जूनागढ़ने "सामान्य ज्ञान / हिंदी प्रश्नोत्तरी प्रतियोगिता" का दिनांक 19.08.2019 को अपराह्न 04:00 बजे आयोजन किया। इस प्रतियोगिता में भाग लेने के लिए जूनागढ़ स्थित, नगर राजभाषा कार्यान्वयन समिति (नराकास) के अंतर्गत आने वाले सभी सदस्य कार्यालयों से 2-2 प्रतिभागियों को आमंत्रित गया था। जिसमें कुल 17 प्रतिभागियों ने भाग लिया जो इस प्रकार हैं- भारतीय जीवन बीमा निगम-2, भारतीय डाक विभाग-2, भारतीय विमान पत्तन प्राधिकरण केशोद-2, केन्द्रीय विद्यालय-1, भारतीय स्टेट बैंक-1 एवं भाकृअनुप-मूँगफली अनुसंधान निदेशालय-9। प्रतियोगिता के प्रश्न सामान्य ज्ञान पर आधारित थे, जिन में हिंदी सामान्य विज्ञान, सामाजिक विज्ञान, वर्तमान मुद्दे, बैंक व्यवसाय इत्यादि से प्रश्नों का समावेश था। हिंदी प्रश्नोत्तरी प्रतियोगिता का संचालन एवं पर्यवेक्षण डॉ. सुष्मिता, वैज्ञानिक एवं सदस्य, राजभाषा कार्यान्वयन समिति, भाकृअनुप-मूँगफली अनुसंधान निदेशालय जूनागढ़ द्वारा किया गया।

Celebration of 150th Birth Anniversary of Mahatma Gandhi

The ICAR-DGR, Junagadh has developed a program for celebrating 150th Birth Anniversary of Mahatma Gandhi starting from 26th September 2019 and culmination on 02nd October 2019. On 26th September 2019, celebration began with the Elocution competition followed by essay writing competition on "मोहन दास करमचंद गाँधी : महात्मा होने का महत्व". Painting competition was also organized for school children on 27.09.2019. The program culminated by guest lecture which was followed by certificate distribution to the winner of the event and vote of thanks by Dr. KK Pal, Program coordinator.

Kisan Mela-cum-Exhibition organized at ICAR-DGR on 40th Foundation day

A *Kisan Mela* cum exhibition was organized at ICAR-Directorate of Groundnut Research, Junagadh on 1st October 2019 in commemoration of 40th Foundation Day of the Directorate. About 750 farmers including 200 women farmers participated in the *Kisan Mela* cum exhibition. Dr. Radhakrishnan T., Director, ICAR-DGR welcomed the



gathering and briefed the purpose of the mela. Assistant Director of Agriculture, Sh. Chavada, Junagadh, Dr. NK Gontia, Principal and Dean, College of Agricultural Engg. & Technology, JAU, Junagadh, Dr. VV Rajani, Director of Extension Education, JAU, Junagadh were the special guests and Dr. JB Misra, former Director DGR, Junagadh and Technical Advisor, IOPEPC, Mumbai was the Chief Guest of the function.

The major theme of the Mela was '**Jal Shakti**'. Two lectures were arranged for the benefit of the farmers. The first one was '**Jal Shakti: Promotion of Irrigation Efficiency and Water Conservation Measures**' delivered by

Dr. NK Gontia, Principal and Dean, College of Agricultural Engg. & Technology, JAU, Junagadh, and the second was on 'Use of Bio-control Agents for Increasing Groundnut Productivity and Farmers Income' delivered by Dr. DM Jethva, Assoc. Prof. Bio-Control Lab, JAU, Junagadh. Each lecture was followed by an interactive session on the topics delivered.

Twenty eight stalls were put up by different agencies/firms which depicted micro-irrigation systems, submersible pumps, farm machines, improved Groundnut varieties bred by Public (ICAR-DGR, BARC, SAUs of different states and JAU), Private Groundnut Seed Firms, New molecules for control of major groundnut pests and diseases, micro-nutrients and from Petroleum Conservation Agency. Farmers shared their experiences in high productivity cultivation of groundnut. The live specimens were also exhibited by the farmers. Finally the farmers were honored for their best exhibits of technologies, crop husbandry which resulted in higher yields. Finally, the meeting ended with a vote of thanks.

40th Foundation day celebrated at ICAR-DGR

ICAR-Directorate of Groundnut Research, Junagadh celebrated its 40th Foundation on 1st October, 2019. The Chief guest of the function was Dr. JB Misra, former Director ICAR-DGR, Junagadh and Technical Advisor, IOPEPC, Mumbai and Dr. IU Dhruj, former Director Research, JAU, Junagadh was the special guest. In the welcome address, Dr. Radhakrishnan T., Director, ICAR-DGR, extended his warm welcome to the guests and the entire DGR staff. He congratulated the employees for glorious past of the Directorate and emphasized on achieving the future goals to make groundnut more remunerative. The foundation day lecture was delivered by the chief guest of the day, Dr. JB Misra, followed by the address made by Dr. IU Dhruj. Four retiring staffs of ICAR-DGR were honored with mementoes. The formal celebration was concluded with a vote of thanks given by Dr. AL Rathnakumar, Principal Scientist, ICAR-DGR. The DGR staff and their family members showed their active participation in the cultural programme and the participants were felicitated by the Director, Dr. Radhakrishnan T.



भारत के राजपत्र में हिंदी में कार्य करने के लिये अधिसूचित

भाकृअनुप- मूँगफली अनुसंधान निदेशालय, जूनागढ़ को दिनांक 16.09.2019 को भारत के राजपत्र में हिंदी में कार्यालयीन कामकाज करने के लिये अधिसूचित किया गया | केन्द्र सरकार के अधीनस्थ वे कार्यालय जिसमें अस्सी प्रतिशत कर्मचारियों ने हिन्दी का कार्यसाधक ज्ञान प्राप्त कर लिया है उन कार्यालयों के नाम राजपत्र में अधिसूचित किये जाते हैं।

(भारत के राजपत्र के भाग-2 खण्ड-3 उप खण्ड (2) में प्रकाशनार्थ)

फा0 सं013-10/2009-हिंदी(पार्ट)/436-87/10/नवंबर 2019
 भारत सरकार
 कृषि एवं किसान कल्याण मंत्रालय
 कृषि अनुसंधान एवं शिक्षा विभाग
 403ए, कृषि भवन,
 नई दिल्ली-110001
 दिनांक 16 सितम्बर, 2019
 अधिसूचना

केन्द्रीय सरकार, कृषि एवं किसान कल्याण मंत्रालय, कृषि अनुसंधान एवं शिक्षा विभाग, राजभाषा (संघ के शासकीय प्रयोजनों के लिए प्रयोग) नियमावली 1976 के नियम 10 के उपनियम (4) के अनुसरण में भाकृअप-मूँगफली अनुसंधान निदेशालय, इवनगर रोड, जूनागढ़, गुजरात को, जिसमें 80 प्रतिशत से अधिक कर्मचारियों ने हिन्दी का कार्यसाधक ज्ञान प्राप्त कर लिया है, एतद्वारा अधिसूचित करती है।

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Vigilance Awareness Week

Vigilance Awareness Week celebrated from October 28th to November 02nd 2019. It was started on 28th October, 2019 by taking e-Pledge by the staff members. Dr. AL Rathnakumar, Vigilance Officer, gave a brief introduction of the importance and relevance of the week. The programme was started with an essay writing competition, an elocution and concluded on November 02nd, 2019.



ICAR-DGR participates in ICAR West Zone Sports Meet

The ICAR Western Zone Zonal Sports Meet - 2019 was held at ICAR-CSWRI, Avikanagar, Jaipur from 14 to 18th November, 2019. A contingent of 27 sports personnel representing ICAR-DGR with Shri. Indraraj Meena, Administrative officer as Chief-De-Mission participated in Volleyball, Carom, Chess, Table tennis, Badminton, Race, Disc throw, High Jump, Long Jump and Javelin throw. Sh. Rupak Jena (Scientist, Nematology) bagged 2 bronze prizes in each High Jump and Long Jump.



Constitution day celebrated at ICAR-DGR, Junagadh

The ICAR-DGR, Junagadh has developed month wise program of Constitution Day 2019 starting from 26th November 2019 and culminated on 26th November 2020. On 26th November 2019, we began celebrations with the display of posters and standees, and distribution of constitution day brochure. The programme had a brief introduction



on "Making of Constitution" by Dr. Aman Verma, Scientist, Biochemistry at 10:45 AM. The preamble was read to the participants and staff by Dr. Radhakrishnan T., Director, ICAR-DGR. This was followed by the lecture by the eminent personality on "Citizens' duties including Fundamental Duties" by Dr. Sandeep Kumar, IFS, Deputy Conservator of



Forests, Bhavnagar district. Dr. Kumar very effectively put the thought of direction connecting agricultural technologies with citizens' duties. He also distributed 300 copies of books authored by him free of cost to the employees for their benefit. The lecture was followed by certificate distribution to the winner of the sports event. Program details for the entire year from 26th November 2019 to 26th November 2020 was presented by Dr. Ram Dutta, Principal Scientist and Nodal officer, which was followed by vote of thanks.

Swachhta Pakhwada

The “Swachhta pakhwada” cleanliness drive was organized at ICAR-DGR during 16–31st Dec., 2019. The programme was initiated with Swachata Shapath by all the staffs, followed by cleanliness drive by the staff members at residential quarters. A detailed plan of work for the entire duration of the campaign was prepared and the date-wise activities were subsequently undertaken. All the staffs of the directorate actively participated in the drive and gave



their contributions to make the office premises and the adjacent areas clean. Further, planting of trees-seedlings, making permanent structures for plastic waste disposal and recycling from decomposable waste of office and residential quarters, quiz competition and awareness regarding plastic se raksha-Swachhta Hi Suraksha was also done by the staff members. Finally the programme was concluded with prize distribution among the staff members who gave their best contribution during the entire programme, which was co-ordinated by Dr. PP Thirumalaisamy.

Kisan Diwas

ICAR-DGR organized Kisan Diwas under Swachhata Pakhwada on 23.12.2019. Sixty four farmers (Male: 52; Female: 12) from Ivnagar, Mithapur and Aalidra villages of Junagadh district had participated in this programme. During this programme following lectures were delivered by different experts on plastic waste management to save animals from consuming it, Plastic se raksha, quality seed production and recommended varieties for Gujarat, integrated insect and disease management in groundnut. This programme was coordinated by Dr. Narendra Kumar (Scientist, Plant Breeding), Dr. Ananth Kurella (Scientist, Pathology), Dr. SD Savliya (ACTO), Sh. PV Zala (ACTO), Sh. BM Chikani (ACTO) and Sh. CB Patel (Technical Officer).



Industries Interface meeting at ICAR-DGR

To address issues concerning groundnut productivity, export and need of groundnut industries and to bring all stakeholders on a common platform, ICAR-Directorate of Groundnut Research has organized an Industries Interface meeting at this Directorate on 28th December, 2019. Dr. VP Chovatia, Vice-Chancellor of Junagadh Agricultural University; Shri Khushwant Jain, Chairman, IOPEPC; Dr. IU Druj, Ex-Associate Director of Research, JAU, Junagadh; Dr. Mainsh Pandey, Sr. Scientist, ICRISAT; Mr. Samir Shah, President, Saurashtra Oil Millers Association and Dr. Radhakrishnan T., Director, ICAR-DGR and representatives from different industries and institutions participated in the event. Deliberations were made on significance of confectionary groundnut, need for production of export-oriented groundnut, importance of promoting cultivation of high oleic groundnut and microbial technologies for enhancing productivity of groundnut.



All the dignitaries highlighted the importance of developing high yielding groundnut varieties, which are industry-worthy, having high oleic acid, and can address the concerns of climate change. After due deliberations, the following consensus has been arrived unanimously:

- Need for initiation of research on development of varieties having round and uniform shaped kernel, attractive colour, and boldness to meet the requirement of confectionery industries
- Development, popularization, and cultivation of high oleic groundnut should be streamlined to make the high oleic groundnut oil available in the market at the earliest for health conscious customers
- Low cost production technologies like biofertilizers should be popularized and make them available in the market at the earliest to enable them to reach to the needy farmers to improve yield and income



Awards and Honors

Award/Honors	Programme	Organizer(s)/Venue	Date	Name of the Scientist
Best oral presentation award	4 th International conference on Agriculture and Animal Husbandry	School of Life Sciences, University of Hyderabad, Hyderabad.	28-30 th August, 2019	Praveen Kona
Young Woman Scientist award	Innovations in Plant and Animal Sciences for Sustainable Agriculture and Rural Development” (IPASSARD 2019)	Rajasthan Agriculture Research Institute (SKNAU), Jaipur, Rajasthan, India in collaboration with NADCL, Ministry of Cooperatives, Srinagar (J&K).	07-09 th December, 2019	Aman Verma

Participation in Conference/Workshop/Seminar/Symposium/Training Programme

Name	Programme	Organizer(s)/Venue	Date
Singh AL	Global Micronutrient Summit 2019	International Zinc Association (IZA), Fertilizer Associations of India (FAI) and ICAR, New Delhi	5-6 th September 2019
Praveen Kona	Analysis of Experimental Data	ICAR-NAARM, Hyderabad	22-27 th August, 2019.
	4 th International conference on Agriculture and Animal Husbandry	School of Life Sciences, University of Hyderabad, Hyderabad.	28-30 th August, 2019
Aman Verma	International Conference on Innovations in Plant and Animal Sciences for sustainable Agriculture and Rural Development (IPASSARD-2019)	Rajasthan Agriculture Research Institute (SKNAU), Jaipur, Rajasthan, India in collaboration with NADCL, Ministry of Cooperatives, Srinagar (J&K).	07-09 th December, 2019
Mahatma MK	National Conference on “Integrative Plant Biochemistry and Biotechnology”	ICAR- Indian Institute of Rice, Hyderabad	08-09 th November, 2019
Harish G	3 rd Global meet on science and technology for ensuring food and nutritional security (GMSC 2019).	ICAR-NRCSS, Ajmer, Rajasthan	01-03 rd December, 2019
Kiran K Reddy	International Conference on crop residue management	Gyan Bhawan, Patna	14-15 th October, 2019
	CAFT training on “Assessing soil plant atmosphere continuum (SPAC) for enhanced input use efficiency”.	PAU Ludhiana.	01-21 st October, 2019
Rupak Jena	Winter school training on "Novel techniques in mass culturing of smart microbial biocontrol agents for the development of biopesticides"	ICAR - NBAIR, Bengaluru	3-23 rd December, 2019

Institute Seminars

Date	Title of Seminar	Speaker
24 th July, 2019	Novel EST-SSR marker mapped and validated to the region harboring major rust and late leaf spot resistance OITLS in Peanut (<i>Arachis hypogea</i>)	Suhail Ahmed (Ph.D. Student, Biotechnology)
21 st August, 2019	Evaluation of large seeded groundnut advanced breeding lines for components of pod yield and water use efficiency.	Gangadhara K
	Genetic variation and genotype by year interaction for pod yield and component traits in groundnut	
09 th September, 2019	Fatty acid desaturase-2A (ahFAD2A) mutant allele in 563 peanut pre breeding lines: An insight in source, feature, discourse and selection of novel pre breeding lines	Bera SK
	Variation for nodulation among peanut genotypes and influence of environment on the expression of nodulation related traits under mid-season drought stress	Ajay BC
07 th December, 2019	System based integrated nutrient management improves productivity, profitability, energy use efficiency and soil health in groundnut-wheat cropping sequence	Ram A Jat
	Influence of tillage and residue management practices on productivity, profitability and soil quality in peanut-based intercropping systems in western peninsular India	

Personnel

Transfers



Dr. Rathnakumar AL
Principal Scientist (Plant Breeding) was relieved from this Directorate on 21 November 2019, upon his transfer to ICAR- IIOR, Hyderabad



Dr. Jat RA
Senior Scientist (Agronomy) was relieved from this Directorate on 13 December 2019, upon his transfer to ICAR-IISWC, Dehradun



Dr. Narayanan G
Scientist (SS) (Ag. Extension) was relieved from this Directorate on 23 November 2019, upon his transfer to ICAR- NIVEDI, Bangalore

Superannuation



Sh. Ghetia NR
Chief Technical Officer (CTO) retired from this Institute on 31 August 2019

Obituary



Sh. Naik PR
Assistant Chief Technical Officer (ACTO) has passed away on 10 November 2019