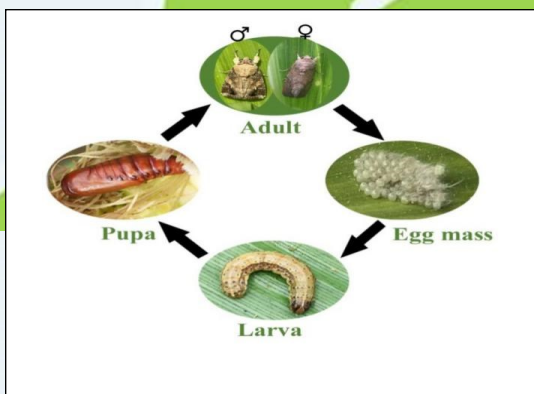


RESEARCH HIGHLIGHTS

Research Activities

- Twenty eight tropical maize genotypes were evaluated for *in vitro* callus induction and re-generation using nodal explants. The callus induction has been achieved in four genotypes (three hybrids, viz., DMRH1301, DMRH1308 and DHM117 and one inbred BML6). However, two of these genotypes, viz., DMRH1308 and DMRH1301 exhibited the best *in vitro* regeneration of 74% and 38%, respectively.
- One entry (VS11) was found moderately resistant against Charcoal rot, whereas 43 entries were moderately resistant against Maydis leaf blight.
- Disease control through chemical module was found to be best practice against Banded leaf and sheath blight and Maydis leaf blight.
- Out of 95 hybrids and 100 entries tested under artificial conditions at hot spots, 9 entries were found resistant against Charcoal rot, 27 were resistant against Turcium leaf blight, 35 were moderately resistant against Common Rust and 17 were resistant against Sorghum downy mildew.
- Out of 275 QPM inbred lines based on the protein quality index a set of 11 most promising lines, viz., DQL 2011, DQL 2217, DQL 787-5-3-1-4-2, DQL 2077, DQL 2007-2, DQL 2035, DQL 2015-1, DQL 2097, DQL 2105, DQL 2219 and DQL 2231 were identified.
- Life table studies of fall armyworm (FAW) revealed that survival fraction among larval stages of FAW remained highest at fifth instar (0.98) and lowest at first instar of (0.92). Maximum mortality survivor ratio (MSR) was observed at first instar (0.09) and minimum MSR was ob-



Life cycle of FAW

tained at fifth instar (0.02). The adult female had highest number of progeny ($m_x=100.5$) in the lifecycle on the 30th day of pivotal age. The mean length time required for completing one generation was 30.17 days.

- *In silico* characterization of *Zea mays* Abc1-like proteins shows homology to *Arabidopsis thaliana* oxidative stress-related Abc1-like protein (AtOSA1) which is involved in response to cadmium stress. Five homologous sequences were deciphered and the structures of the maize Abc1-like proteins have been determined. The maize proteins differ from each other with respect number of phosphorylation sites, implicating a role in downstream signalling.
- The DNA sequence of *phi112* SSR marker, a dominant marker for protein quality in maize, has been analyzed computationally. The marker contains transcription factor activity.

Germplasm Imported

A set of 18 blue kernel maize genotypes were procured from Iowa State University (GRIN portal) as part of the project entitled, "Extraction, identification and stability analysis of anthocyanin from coloured maize genotypes".

IMPORTANT EVENTS

Independence Day Celebration

The 73rd Independence Day was celebrated at all the centres of the institute with full zeal and joy. On this occasion, the Director hoisted the National Flag at Institute Headquarter. The function was attended by the staff and their family members. In his speech the Director stressed on the need of selfless service for the benefit of country.



Flag hoisting on the occasion of Independence Day

Parthenium Awareness Week

Parthenium Awareness Week was observed at the institute headquarters and its regional stations during August 16-22, 2019. All the scientists and staff members were involved in the removal of *Parthenium* from the fields and from nearby areas. Farmers were also made aware about the harmful effects of *Parthenium* and need of its timely removal before its flowering to reduce next generation load.



ICAR-IIMR staff uprooting *Parthenium* from fields

Diagnostic Visit for Maize Pests

Scientists from ICAR-IIMR and Punjab Agricultural University, Ludhiana visited farmers' fields in Punjab on August 17, 2019 for scouting of FAW and sensitization of farmers. The team visited the major maize growing districts of Punjab, viz., Hoshiarpur and S.B.S. Nagar for scouting of FAW. FAW infestation was first observed on farmer's field in Hoshiarpur district. The district agriculture office was immediately informed of the infestation and its control measures.

Locust damage on maize was reported from Govardhana Giri village in Thoguta mandal on September 11, 2019. Scientists from Winter Nursery Centre (WNC), Professor Jayashankar Telangana State Agricultural University (PJTSAU) and officials from the State Department of Agriculture, Telangana conducted a diagnostic survey in Siddipet district, Telangana for assessing the locust damage in maize crop. Suitable recommendations were made for the management of Locust.



Locust infested maize crop at Ghanpur village, Siddipet district

Observance of Sadbhavana Divas

Sadbhavana Divas was observed at the headquarters and the regional stations on August 20, 2019 as remembrance of the birth anniversary of former Prime Minister Late Sh. Rajiv Gandhi. On this occasion staff members took a pledge to promote National Integration and Communal Harmony among people of all religions, languages and regions.



ICAR-IIMR staff taking pledge to promote National Integration and Communal Harmony

Jal Shakti Abhiyaan

To create awareness among masses about the importance of water under *Jal Shakti Abhiyan*, a Half Marathon was organized in Ludhiana with the support of ICAR- IIMR on September 1, 2019 with the theme of 'Save Water, Save Life' and 'Run against Drug Abuse'. More than 750 people from all age groups participated in the event. Director, ICAR-IIMR addressed the gathering. Further, awareness was also created among students of PAU Smart School, Ludhiana. Tree plantation drive was carried out and a total of 100 plants were planted at the school.



ICAR-IIMR staff during Half Marathon



Dr. S. Rakshit planting a tree at the PAU campus



Director, ICAR-IIMR addressing students at PAU Smart School

Swachhta Hi Sewa Campaign

The headquarters as well as its regional stations observed *Swachhta Hi Sewa* campaigns during September 11 - October 2 and December 16-31, 2019. The major focus of the campaign was to create awareness on the hazardous nature of Single Use Plastics. Cleanliness drives were arranged inside as well as outside the campus. Interaction of institute staffs with general public was a major activity under this campaigns. Single use plastics lying at public places were collected and properly disposed of. The institute also organized various activities like essay and painting competitions on cleanliness for school children. T-shirts having *Swachhta Hi Sewa* logo and jute bags were distributed to the staff and students.



Glimpses of various activities undertaken during the *Swachhta Hi Sewa* campaigns

Gandhi Jayanti Celebration

On the occasion of Gandhi Jayanti, essay and painting competitions were organized for school students at ICAR-IIMR Ludhiana. The theme of the competitions was "India of Gandhi Ji's dreams". The Swachhhta Hi Sewa campaign which was initiated from September 11, 2019 was also concluded on this occasion. Best performing students were awarded on the occasion.



Chief Guest facilitated by the Director ICAR-IIMR

Vigilance Awareness Week

All the staff members of ICAR-IIMR, Ludhiana and its regional stations took the pledge of integrity, transparency and accountability in their personal as well as public life on October 28, 2019 under the vigilance awareness week (October 28 - November 2, 2019). Online Integrity Pledge at individual level was also encouraged. Various events including debate, essay and quiz competitions were organized during this week.



ICAR-IIMR staff undertaking the Integrity Pledge

Foundation Stone-Laying Ceremony of Institute Building

Honourable Union Minister of Agriculture and Farmers' Welfare, Shri Narendra Singh Tomar laid the

foundation stone of the Administrative--cum-Laboratory Building of the ICAR-IIMR at Ladhawal in Ludhiana on November 15, 2019. Shri Bharat Bhusan Ashu, Minister Food, Civil Supplies and Consumer Affairs, Government of Punjab was the Guest of Honour. Union Minister of State for Commerce and Industry, Shri Som Prakash was Special Guest on the occasion. Shri Narendra Singh Tomar stressed on judicious use of water and adoption of crop diversification. In this regard maize can be most suitable option. On this occasion, a farmer's fair was also organized. Around 2000 farmers from various districts of Punjab visited the institute and benefited from the exhibits of the advanced scientific technologies and practices.



Some glimpses of Foundation stone laying ceremony of IIMR building

Constitution Day

Constitution day was observed at ICAR-IIMR and its regional stations on November 26, 2019. On this occasion all staff members took pledge by reading the preamble of the Constitution. Director, ICAR-IIMR apprised the staff about the duties of the citizens and stressed upon the staff to place the country supreme in all the individual endeavours.



ICAR-IIMR staff taking pledge on the Constitution Day

Farmers' Day

Farmers' day was celebrated at ICAR-IIMR and its regional stations on December 23, 2019. On this occasion, apart from discussion on issues related to farming, the farmers were also sensitized about environmental issues. They were encouraged to avoid the use of Single Use Plastics in their daily life as well as during farm operations. Discussion was also held on the scientific methods of cultivation and control of the insect pests and diseases of maize.



ICAR-IIMR scientist interacting with the farmers

Eye Camp

Ambay Eye Care Lasik Centre, Ludhiana organized a Free Eye Check-up Camp at ICAR-IIMR, Ludhiana on December 10, 2019 to create awareness among staff on eye health. A total of 54 staff members from ICAR-IIMR, ICAR-CIPHET and ICAR-ATARI were benefited from the camp.



Free eye check-up camp at ICAR-IIMR

Commercialization of Technologies

For enhancing the adoption of institute technologies, a MoU was signed between ICAR-IIMR and M/s Sampurna Seeds Private Limited, Hyderabad at ICAR-IIMR, Ludhiana on December 5, 2019 for the hybrid seed production of the maize hybrid DMRH1305.



Director, ICAR-IIMR signing MoU with M/s Sampurna Seeds Pvt. Ltd.

Visit of Dignitaries

Dr. Trilochan Mohapatra (Secretary, DARE & Director General, ICAR) visited maize research farms at ICAR-IIMR, Unit Office, New Delhi on October 8, 2019. He discussed major researchable issues in maize with the scientists and critically observed experimental maize hybrids and breeding materials of the institute. The efforts undertaken for hybrid seed production by the institute was also appreciated. Dr A.K. Singh (DDG CS, ICAR) visited the farm of ICAR-IIMR, Unit Office, New Delhi on October 9, 2019. He appreciated the performance of released hybrids as well as those under pipelines.



Dr. Trilochan Mohapatra , Secretary, DARE and DG, ICAR and Dr A.K. Singh , DDG, CS at ICAR-IIMR

Foreign Delegation at ICAR-IIMR

A delegation of Agriculture Officers from Kenya, Zambia, Ghana and Malawi visited ICAR-IIMR, Ludhiana on August 27, 2019. Dr. S. Rakshit, Director, IIMR welcomed the delegation and briefed about the research activities undergoing at the institute. The delegation visited various laboratories of the institute. Dr D.P. Chaudhary explained different aspects of research in the Biochemistry, whereas, Dr. Ramesh Kumar and Dr. Pardeep Kumar discussed the ongoing research programmes on Plant Breeding and Biotechnology.



Foreign delegates at ICAR-IIMR Ludhiana

IMPORTANT MEETINGS

Institutional Biosafety Committee Meeting (IBSC)

The Institutional Biosafety Committee meeting was held in ICAR-IIMR, Unit Office, New Delhi on November 30, 2019 under the Chairmanship of Dr. S. Rakshit, Director, ICAR-IIMR. Dr. Tanushri Kaul (Scientist, ICGEB and DBT nominee), Dr. Anita Srivastava (Medical Officer, IARI dispensary and Biosafety Officer), Dr. Monika Dalal (Principal Scientist, NRCPB), Dr. Chikkappa G. Karjagi (Scientist, IIMR and member) and Dr. Krishan Kumar (Scientist, IIMR) were present in the meeting. The committee reviewed the biosafety aspects of the ongoing projects and found them to be satisfactory.



IBSC members discussing the agenda items

Institute Management Committee Meeting

The 12th meeting of Institute Management Committee was held on December 5, 2019 at IIMR, Ludhiana.

na under the chairmanship of Dr. Sujay Rakshit, Director, ICAR-IIMR. The agenda for the meeting included utilization of Non-Plan, Plan and AICRP budget, status of civil work at Ladhawal farm and creation of medical facilities for the staff of RMR&SPC at Begusarai.

EVENTS FOR PROMOTION OF MAIZE

Workshop on Enhancing Income of Maize Farmers of Uttar Pradesh

An one day workshop on “उत्तरप्रदेश के कृषकों की आय बढ़ाने हेतु मक्का उत्पादन एवं मूल्य संवर्धन की उन्नत तकनीकों का प्रोत्साहन” was organized by the ICAR-IIMR, Ludhiana in collaboration with Uttar Pradesh Council of Agricultural Research at Lucknow on September 20, 2019. Honourable Minister of Agriculture, Govt. of Uttar Pradesh, Sri Surya Pratap Shahi was the Chief Guest of the event. In this event a book entitled “उत्तरप्रदेश के लिए मक्का उत्पादन तकनीकिया” was released by the Chief Guest. Scientists from many ICAR institutes, viz. ICAR-Indian Institute of Seed Research, Mau; Institute of Agricultural Sciences, BHU, Varanasi; ICAR-Indian Grassland and Fodder Research Institute, Jhansi and ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora and ICAR-IIMR, Ludhiana delivered lectures on various aspects, issues and the solutions for challenges being faced in maize cultivation in Uttar Pradesh.



Director, ICAR-IIMR addressing the gathering

National Seminar on Promotion of Maize in NEH region

The ICAR Research Complex for NEH Region, Umiam, Meghalaya and ICAR-IIMR, Ludhiana jointly organized National Seminar on “Promotion of maize in North East India: Opportunities and Strategies” during October, 22-23 at ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, Agartala. About 250 scientists, experts, researchers, officials from line Departments, KVKs, extension functionaries and farmers attended the programme. Shri Pranajit Singha Roy, Honourable

Minister of Agriculture & Farmer's Welfare & Tourism, Govt. of Tripura was present as the Chief Guest in the inaugural session of the Seminar.



Glimpses of National Maize Seminar at Tripura

Sustainable Agriculture Conclave

ICAR-IIMR was partner with FICCI in organizing Sustainable Agriculture Conclave 2019 on the topic 'Roadmap for Crop Diversification with Maize in Punjab' held at Taj Hotel, Chandigarh on December 10, 2019. Dr. S. Rakshit, Director, ICAR-IIMR stressed the need to replace rice with maize during



Director, ICAR-IIMR expressing his views during Sustainable Agriculture Conclave

kharif season in Punjab, particularly in the blocks where the under-ground water table has dropped alarmingly. He also mentioned that drying, storage and assured procurement are essential for cultivation and subsequent marketing of maize. The conclave was attended by 143 participants from various sectors including farmers, industry and policy makers.

Corn Festival

Corn festival was organized during December 15-16, 2019 at Chhindwara district of Madhya Pradesh by the Department of Agriculture, Madhya Pradesh and ICAR-IIMR, Ludhiana to promote the maize-based industries in the country.



Some glimpse of Corn Festival

INSTITUTE OUTREACH PROGRAMMES

Frontline Demonstrations

The frontline demonstration (FLDs) were conducted on 375.2 acres in 12 states benefiting 598 farmers during *kharif* 2019. The yield under FLDs varied from 18.0 to 74.2 q/ha in various agro-ecologies which were higher than the farmer practice (FP) yield ranging from 14.7 to 64.2 q/ha. The yield gains of FLDs were 3.9% and 127.7% higher in the states of Punjab and Manipur, respectively over existing farmers practice. The demonstration of drought tolerant hybrid at Hyderabad and Karimnagar gave yield advantage of 22%. The quality protein maize (QPM) demonstrations at Barapani (Meghalaya) gave yield advantage of 26%.



FLD during *kharif* 2019

Scheduled Tribe Component

Under scheduled tribe component (STC) programme, 16 trainings were conducted for popularization of best management practices in maize whereby 697 farmers were benefited in the tribal areas. Inputs related to maize production were also distributed to the farmers.

Maize Promotion in North Eastern Hill Region

ICAR-IIMR in collaboration with ICAR-Research Complex for North Eastern Hill Region (ICAR-RCNEH), Barapani implemented a major component of NEH programme. A collaborative programme on “Maize production in NEH region for sustainable livestock production” was also initiated with ICAR-National Research Centre on Pig, Guwahati (Assam), ICAR-National Research Centre on Yak, Dirang (Arunachal Pradesh) and ICAR-National Research Centre on Mithun, Dimapur (Nagaland). Emphasis were laid on the fodder and feed from maize for the livestock sustainability in the NEH region. Both the programmes were focused on training, demonstrations and technology development in maize for enhancing farm profitability through maize systems in NEH region.

Scheduled Caste Sub Plan (SCSP) programme

The SCSP has been started by Government of India to benefit the farmers of scheduled caste (SC) communities of the country. The institute implemented SCSP plan in maize to benefit the maize growing farmers of SC community. Total 8 training programme and agricultural inputs distributions were conducted to benefit 645 farmers.



Training and input distribution at Mandya centre



Distribution of jute bags for farmers of Peddashapur, Telangana

Kissan Melas/Exhibitions

ICAR-IIMR participated in the three major *Kissan mela*/exhibitions during 2019 organized by Punjab Agricultural University, Ludhiana; Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana and KVK Begusarai. The maize technology available to the entrepreneurs, farmers and other stakeholders was displayed during these events. The visitors appreciated the maize technologies developed for production and value addition.



Participants visiting ICAR-IIMR stall during *Kissan Melas*

Mera Gaon Mera Gaurav (MGMG) Programme

ICAR-IIMR and its regional stations implemented the MGMG programme in 29 villages adopted in the five districts of Punjab, Haryana, Bihar and Telangana. A total of eight teams comprising of 30 scientists were in regular touch with the farmers of these villages through visits, messages, email, phone calls, messages etc. Visits, interface meetings, training, literature, mobile advisories and awareness programme on contemporary problems benefited the farmers of the adopted villages.

TRAININGS CONDUCTED

Maize hybrid seed production training at West Bengal

ICAR-IIMR, Ludhiana jointly with the Department of Agriculture, Govt. of West Bengal and West Bengal State Seed Corporation Ltd. (WBSSCL), Kolkata conducted two trainings on hybrid maize seed production in West Bengal at Jalpaiguri and Purba Bardhaman districts on August 6 and 8, 2019, respectively.



Participants of the training program



Dr. S. Rakshit sharing his experiences with participants

A training cum workshop for Extension Officers and Farmers on “Modern Technology of Maize Cultivation and Integrated Management of Fall Armyworm (FAW)” was organized by the Department of Agriculture, Government of WB at Balurghat, South Dinajpur district of West Bengal on Aug 22, 2019. On this occasion Dr. S. Rakshit, Director, ICAR-IIMR spoke about the improved management practices for maize crop. The programme was attended by over 350 farmers, extension workers and policy makers from the state of WB.

Institute Seminars

Institute seminar is a regular even in the institute. A total of ten seminars were conducted in the second half of 2019.



Some glimpses of institute seminar at ICAR-IIMR, Ludhiana

HUMAN RESOURCE DEVELOPMENT

Training Attended under approved HRD Annual Training Plan

Sl. No.	Name of the scientist	Name of the training program attended	Venue	Date
1	Dr. M.C. Dagla	Biotic and abiotic stress tolerance in plants under changing climatic conditions	Punjab Agricultural University, Ludhiana	August 6-26, 2019
2	Dr. B.S. Jat	Biotic and abiotic stress tolerance in plants under changing climatic conditions	Punjab Agricultural University, Ludhiana	August 6-26, 2019
3	Dr. K. Kumar	Next generation sequencing and its application in crop sciences	ICAR-NIPB, New Delhi	September 3-23, 2019
4	Dr. K.S. Hooda	Training Programme on Intellectual property valuation and technology management	ICAR-NAARM, Hyderabad	October 15-19, 2019
5	Dr. K.R. Yathish	Multivariate analysis using R	ICAR-NAARM, Hyderabad	November 22-27, 2019
6	Dr. DHaram Paul	MDP on leadership development (a pre-RMP programme)	ICAR-NAARM, Hyderabad	December 2-13, 2019

Participation in Conferences/Workshops/Symposium/Brain Storming/Meetings

Sl. No.	Title of the Conference/ Seminar/ Workshop/ meeting attended	Venue	Period	Name and Designation of the Scientist
1.	Review meeting for implementation of ICAR-CIMMYT work plan for 2019-20	IIMR, New Delhi	July 28, 2019	Dr. I. Singh (Pr. scientist)
2.	Periodic interaction and review of R&D activities under approved work plan of CG centres	Krishi Bhawan, New Delhi	November 14, 2019	
3.	National Conference on "Climate Change and Agriculture: Impacts, Resilience & Adaptations for Sustainable Food Security	-	December 20-21, 2019	Dr. S.L. Jat (Scientist)
4.	Cornfest 2019	Chhindwara, Madhya Pradesh	December 15, 2019	
5.	Workshop on "Promotion of Improved Maize Production & Value Addition Technologies for Boosting Farmers Income in U.P."	UPCAR, Lucknow	July 20, 2019	
6.	International conference on "Genomics & Breeding for Crop Improvement and Alumni Meet"	CCS University, Meerut	December 04-06, 2019	Dr. P. Kumar (Scientist)
7.	Hands-on workshop on "CRISPR/Cas System for Genome Engineering"	Amity University, Noida	July 3-5, 2019	Dr. K. Kumar (Scientist)
8.	International workshop on "Biomass Conversion Technologies for Crop Residue Management".	CCSHAU, Hisar	November 19-28, 2019	Ms. S.D. Bamboriya (Scientist)
9.	National conference on "Integrative Plant Biochemistry and Biotechnology"	ICAR-Indian Institute of Rice Research Hyderabad, Telangana	November 08-09, 2019	Dr. S.K. Aggarwal (Scientist)
10.	XIX International Plant Protection Congress (IPCC2019)	ICRISAT, Hyderabad, Telangana	November 10-14, 2019	
11.	International Conference on "Genomics and Breeding For Crop Improvement"	CCS University, Meerut	December 04-06, 2019	Mr. S. Kumar (Scientist)
12.	India International Science Festival under the theme Nav Bharat Nirmaan	Kolkata	November 05-07, 2019	
13.	XIX International Plant Protection Congress (IPCC2019)	Hyderabad	November 10-14, 2019	Dr. P. L. Soujanya (Scientist)

Sl.No.	Title of the Conference/ Seminar/ Workshop/ meeting attended	Venue	Period	Name and Designation of the Scientist
14	National Conference on Integrative Plant Biochemistry and Biotechnology	ICAR-Indian Institute of Rice Research Hyderabad, Telangana	November 08-09, 2019	Dr. A.K. Das (Scientist)
15	Workshop on “Gene Editing for Enhancing Plant Productivity and Stress Tolerance”.	ICAR-Indian Institute of Rice Research Hyderabad, Telangana	November 10-12, 2019	
16	Annual review and planning meeting of the project “Heat Stress Tolerant Maize for South Asia (HTMA)”	National Maize Research Program (NMRP), Nepalgunj (Nepal).	September 26-28, 2019	Dr. S. B. Singh (Pr.Scientist)
17	State level meeting on “Management and Control of Fall Armyworm (FAW) Insect on Maize”	Director of Agriculture office Govt. of Bihar, Patna	September 04, 2019	
18	Scientific Advisory Committee Meeting of KVK, Begusarai	KVK, Khodawanpur, Begusarai	December 16, 2019	
19	District level meeting on “Management and Control of Fall Armyworm (FAW) Insect on Maize.	District Magistrate office, Begusarai.	October 01, 2019	
20	Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, Khagaria.	KVK, Khagaria	July 27, 2019	
21	ATMA Management Committee Meeting organized by Project Director, ATMA, Begusarai	DAO, office Begusarai	July 23, 2019.	
22	Meeting of KVK stake holders and ICAR scientific experts of Bihar.	BAU, Sabour	November 23, 2019	
23	Rabi Karyashala and Farmer Training Programme	DAO, Office, Biharsharif.	October 21, 2019	
24	State Coordinated Varietal Trial Meeting of Bihar for Rabi-2019	BAU, Sabour	October 23, 2019	
25	Workshop on ‘Promotion of Improved Maize Production & Value Addition Technologies for Boosting Farmers’ Income in U.P.’	Uttar Pradesh Council of Agricultural Research, Lucknow, Uttar Pradesh	July 20, 2019	Dr. Suby S.B. (Scientist)
26	Training cum workshop on ‘Training the Master Trainers on Awareness on Fall Armyworm And Management’	Bihar Agriculture Management and Extension Training Institute (BAMETI), Patna, Bihar	October 12, 2019	

S.No.	Title of the Conference/ Seminar/ Workshop/ meeting attended	Venue	Period	Name and Designation of the Scientist
27	National Seminar on 'Promotion of Maize in North East India- Opportunities and Strategies'	ICAR Research Complex for NEH region, Lembucherra, Tripura	October 22, 2019	Dr. Suby S.B. (Scientist)
28	XIX International Plant Protection Congress (IPCC2019)	ICRISAT, Hyderabad	November 13, 2019	
29	Corn fest 2019	Chhindwara, Madhya Pradesh	December 22, 2019	
30	Round Table Discussion organized jointly by Punjab State Farmers and Farm Workers and CIMMYT	-	November 05, 2019	Dr A.K. Singh (Pr. Scientist)

Awards/Honours/Recognitions

- ICAR-IIMR was awarded the best performing institute to upload the publications and technologies of the last five years on Krishi Portal on December 10, 2019 at NASC Complex by DG, ICAR.
- ICAR-IIMR was rated "Excellent" by ICAR for implementation of HRD Annual Training Plan (ATP) for the period 2018-19.
- Dr. S.B. Singh was invited as expert plant breeder to the State Coordinated Varietal Trial Meeting for Rabi-2019 held at BAU, Sabour on October 23, 2019.
- Dr. S.B. Singh was invited as ICAR scientific expert in a high level QRT meeting for KVKs of Bihar region by Director Extension, BAU Sabour on November 23, 2019.
- Dr. S.L. Jat was conferred with FAI Golden Jubilee Award for excellence in Fertilizer Use Research by FAI, New Delhi on December 2, 2019.
- Dr. Vishal Singh received Netaji Subhas-ICAR international fellowship-2019 for Ph.D. program at Utah State University, USA.
- Dr. Ishwar Singh was elected as Vice-President of the Indian Society for Plant Physiology, New Delhi for the period 2020-21.
- Dr S.L. Jat has been made member of Working Group on "Promotion of Maize Cultivation in Haryana" constituted by Haryana Kisan and Agricultural Costs and Prices Commission, Government of Haryana.
- छोटे कार्यालय की श्रेणी में सर्वाधिक कार्य का निष्पादन हिंदी में करने पर भा.कृ.अनु.प.-भारतीय मक्का अनुसंधान संस्थान, लुधियाना को नगर राजभाषा कार्यान्वयन समिति, लुधियाना द्वारा प्रोत्साहन

- राजभाषा के प्रचार-प्रसार को ओर गति प्रधान करने की दृष्टि के प्रयासस्वरूप भा.कृ.अनु.प.-भारतीय मक्का अनुसंधान संस्थान, लुधियाना द्वारा प्रकाशित वार्षिक हिंदी पत्रिका "कृषि चेतना" को नगर राज भाषा कार्यान्वयन समिति, लुधियाना द्वारा सम्मानित।
- संस्थान द्वारा सर्वाधिक कार्य का निष्पादन हिंदी में करने पर भा.कृ.अनु.प.-भारतीय मक्का अनुसंधान संस्थान, लुधियाना के वैज्ञानिक एवं राजभाषा अधिकारी डॉ. बहादुर सिंह जाट को नगर राज भाषा कार्यान्वयन समिति, लुधियाना द्वारा प्रमाण पत्र देकर सम्मानित।
- नगर राजभाषा कार्यान्वयन समिति, लुधियाना द्वारा वर्ष 2019 में राजभाषा प्रोत्साहन मास में आयोजित संयुक्त हिंदी प्रतियोगिताओं में संस्थान के वैज्ञानिक श्रीविशाल सिंह ने हिंदी चित्र-कहानी प्रतियोगिता में प्रथम स्थान प्राप्त करने पर पुरस्कार एवं प्रशस्ति पत्र द्वारा सम्मानित।

Students Visit

An educational and scientific exposure visit was conducted, whereby a group of 38 students of B.Sc. (Biotechnology) and B.Sc. (Medical) from Daoba College, Jalandhar visited ICAR-IIMR Ludhiana on August 31, 2019. The visit was funded under the project 'Pre-breeding of wild crosses for yield enhancement and climate resilience maize using wild species' by DST-SERB. The students were oriented with respect to different experimentation facilities of the institute. Three lectures were delivered by scientific staff on maize research programme.



Students visit at ICAR-IIMR

Transfers

Name and Designation	Date of Transfer	Transferred to
Dr. K.S. Hooda (Pr. Scientist)	November 27, 2019	NBPGR, New Delhi
Dr. P. Yadav, (Scientist)	December 26, 2019	IARI, New Delhi

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