

निदेशक की कलम से

सोयाबीन भारत की सर्वश्रेष्ठ तिलहनी फसल है । इसमें 40% प्रोटीन और 20% तेल होता है तथा यह अच्छी गुणवत्ता वाली प्रोटीन का सबसे किफायती स्त्रोत है । इसमें खनिज और उपयोगी न्यूट्रास्यूटिकल जैसे आइसोफ्लेवोंस, टोकोफेरोल भी होते हैं, जो स्वास्थ्य हेतु अत्यधिक लाभदायक है । वैज्ञानिकों के लिए बड़ी चुनौती है की बदलते जलवायु परिदृश्य में और सोयाबीन का खाद्य-तेल, पशु आहार एवं स्वास्थ्य भोजन के रुप में

बढ़ी हुई मांग को देखते हुए नई उत्पादन तकनिकी/प्रौद्योगिकी को तैयार करें ताकि इस मांग को पूरा कर सकें ।

मुझे भा.कृ.अनु.प. - भारतीय सोयाबीन अनुसंधान संस्थान, इन्दौर के सोयाबीन समाचार का वर्तमान अंक प्रस्तुत करते हए अत्यंत हर्ष हो रहा है । यह अंक जनवरी-जून 2019 की अवधि के दौरान समस्त समाचार, घटनाओं एवं प्रमुख अनुसंधान उपलब्धियों की झलक प्रस्तुत करेगा। सबसे महत्पूर्ण उपलब्धियों में विभिन्न प्रकार के महत्वपूर्ण कृषि कारकों के अनुकूल अनुवांशिक रूपों को विकसित करना रहा है, जिसमें अधिक उत्पादन, शीघ्र परिपवक्ता, अधिक तापमान प्रतिरोधी, सुखारोधी, लवण सहनशीलता, कीट प्रतिरोधी, वेजीटेबल टाईप, सुगंध युक्त, पीला मोजाईक प्रतिरोध उच्च ओलिक अम्ल और लिपोक्सीजिनेज मुक्त जीनोटाईप के साथ नए सोयाबीन जीनोटाईप को विकसित करना शामिल है। संस्थान के द्वारा दो क्रिसपर विकसित किये गए वेक्टर जो कि जीवाणू झूलसा प्रतिरोधक तथा फली बिखरना के जीन RPGIB तथा PDHI को बाध्य करते है । भा. कृ. अनु. प. - भारतीय सोयाबीन अनुसंधान संस्थान ने कई विशेष कार्यक्रमों जैसे मेरा गाँव और मेरा गौरव. स्वच्छ भारत अभियान का आयोजन किया तथा सोयाबीन उत्पादन की वृद्धि करने के लिए वर्तमान प्रोद्यौगिकियों से सम्बंधित जानकारी प्रदान कर कई किसान भाईयों को प्रशिक्षित किया है। साथ ही साथ संस्थान ने कई महिला किसान को भी विभिन्न प्रकार के सोया -आहार तथा इसके लाभ के विषय में जानकारी प्रदान की गई ।



From Director's Desk

Soybean is number one oilseed crop in India. Its seed contains 40% protein and 20% oil. It is one of the most economical sources of good quality protein. It also contains minerals and useful nutraceuticals like isoflavones, tocopherols, which provide immense health benefits. The bigger challenge for soybean scientists is to

develop new technologies for meeting the manifold increase in demand for edible oil, animal feed and for direct consumption as a food under changing climatic scenario.

I have great pleasure in presenting the current issue of "Soybean News" from ICAR-Indian Institute of Soybean Research (ICAR-IISR), Indore. It will provide glimpses of news events, and salient research achievements for the period January to June, 2019. The most significant achievements include identification of new soybean genotypes with various agronomically important traits such as high yield; early maturity; tolerance to high temperature, drought and salinity; insect and YMV resistance; vegetable soybean genotypes with fragrance; high oleic acid and lipoxygenase free genotypes. Institute also developed two CRISPR vectors for targeted silencing of the RPG1B and PDH1 genes involved in bacterial blight and pod shattering mechanism. ICAR-IISR trained number of farmers regarding the recent technologies to enhance the soybean production in the country. Similarly, number of women farmers were trained regarding preparation of various soya-foods and made them aware of their health benefits in diet.

V.S. Bhatia (Director)



Research achievements

Scientists at this institute developed first Kunitz trypsin inhibitor free Indian soybean variety NRC 127 and released for commercial cultivation in Madhya Pradesh,



Vidharbha & Marathwada region of Maharashtra and Bundel khand region of Uttar Pradesh, Rajasthan and Gujarat.



KTI free NRC 127 variety developed at ICAR IISR Indore

The following genotypes with quality and agronomic traits have been developed at this institute.

Genotype	Targeted trait (s)	Stage of evaluation
NRC 128	High yield, MYMIV	Promoted to AVT II in Eastern Zone
	resistance and water	and Northern Plain Zone
	logging tolerance	
NRC 147	High oleic acid	Promoted to AVT II in Southern and
		Eastern Zone
NRC 132	Lipoxygenase 2 free	Promoted to AVT II in Southern and
		Eastern Zone
NRCSL 1	MYMIV resistance	Promoted to AVT II in Southern and
		Eastern Zone
NRCSL 2	MYMIV resistance	Promoted to AVT I in Central Zone
NRC 138	Early maturity	Promoted to AVT I in Central Zone.
NRC 142	Lipoxygenase 2 and	Entered to AVT I in all Zones.
	Kunitz trypsin inhibitor	
	free	
NRC 146	Early maturity and high	Promoted to AVT I in Central Zone
	Yield Potential	



- Twelve vegetable soybean genotypes were identified for carrying fragrance allele; of these, eleven genotypes namely AGS 328, AGS farm accession, AGS 457, AGS 459, Demame, EC 916032, EC 916033, EC 916034, EC 916035, EC 916036 and EC 916039 possess FG_Indel 2139 allele and one genotype VRPH 1961, possess rare SNP allele FG_SNP 2213.
- Screening for salinity tolerance in collaboration with CSSRI, Karnal, led to the identification of five genotypes namely IC 195, TGX 849-309D, Type 49, EC 341115 and UPSM 862, as salt tolerant at EC=8dSm⁻¹ of irrigated water.
- Fourteen advanced breeding lines viz. 38-11-265, 5-14-9, 26-74-139, 6-20-209, 30-8-171,10-8-1, 30-8-105, 15-31-10, 32-105-1, 4-10-25, 4-10-6, 4-10-18 11-17-67 and 12-58-43 were found to possess delayed senescence trait under low soil moisture stress condition.
- The evaluation of soybean genotypes for high temperature tolerance revealed that NRC 146, JS 20-38, 6 A- 34 and JS 20-98 as tolerant genotypes based on agromorphological and physiological traits
- Germplasm line' EC 538828 found tolerant for drought stress based on seedling survival rate after root exposure to air under hydroponics system.
- Screening technique for water logging tolerance at vegetative stage was standardized by keeping 10 cm of water for 10 days at V2 stage and it was found to be efficient in differentiating water logging tolerant and susceptible genotypes.

- A new SNP marker Gm1942921997 has been identified to be linked with plant height and number of nodes in an early maturing genotype IC15089. This marker will help in the development of early maturing genotypes with agronomically desirable plant height.
- Two CRISPR (clustered regularly interspaced short palindromic repeats) vectors were designed for targeted silencing of *RPG1B* and *PDH1* genes involved in bacterial blight resistance and spod shattering mechanism respectively.
- Agrobacterium rhizogenes strains MTCC 532 and MTCC 2364 were characterized for the presence of Ri Plasmid genes Rol A and Rol C by Polymerase Chain Reaction.
- Antixenotic studies in soybean genotypes against *Spodoptera litura* revealed that PR 15-126-3-8, PR 35 and DSb1 exhibited strong antixenosis. Similarly, antibiosis studies revealed that EC333902 exhibited highest antibiosis.
- Based on in vitro analysis of soybean endophytes against *M. phaseolina, C. truncatum* and *R. solani,* ten fungal and five bacterial endophytes i.e., *Penicillium* spp, *Aspergillus* spp, *Fusarium* spp, *Paenibacillus polymyxa, Paenibacillus macerans* were found suitable for management of these major soybean pathogens.
- Seed treatment with thiophanate methyl + pyraclostrobin @ 3g/kg of seed followed by foliar spray with tebuconazole + sulphur @. 1000g/ha at 45 and 60 days after sowing was found most effective for management of charcoal rot disease.



- Fifty two isolates of *Macrophomina phaseolina* were collected from different host plants for identification of cultural and morphological variability. Among them 37 isolates were collected from soybean growing regions. Based on the varying levels of growth, the isolates were categorised into four groups.
- The novel rhizobial strain *Bradyrhizobium daqingense* (isolated from drought-tolerant line PK 472) was evaluated on soybean under moisture stress condition to enhance soybean nodulation, growth and physiological status of plants. The application of *B. daqingense* improved plant fitness against stress, performed better under both the conditions than the all other strains which signify the role of this inoculant in stress tolerance of soybean plants.
- Under field evaluation, co-inoculation of rhizobia with AM fungi at 75% RDF although produced significantly higher yield than control (100% RDF), commercial strains of rhizobia and AMF but the response was statistically at par with single inoculation of *B.daqingense*. Hence, inoculation of *B.daqingense* performed significantly better when compared to local commercial strains available in the market and it saved 25% use of N fertilizers without compromising the productivity.
- Total benefits from the adoption of BBF seed drill/ planter for soybean for the period 2009-10 to 2024-25 have been estimated (using economic surplus model) at ₹ 1351.93 lakh at 5.2% discount rate and ₹838.74 lakh at a discount rate of 8% over flat sowing with improved package of practices.

News and events Research Advisory Committee (RAC) meeting

22nd RAC meeting of ICAR-IISR, Indore was held on 29th May 2019. Meeting was chaired by RAC chairman, Dr. S.P. Tiwari. Other members, Dr. D.M. Hegde, Dr. A.K. Sharma, Dr. V. Dinesh Kumar and Dr. S.D. Billore (Member Secretary) have attended the meeting. Dr. V.S. Bhatia, (Director, ICAR-IISR) welcomed RAC chairman and members.Chairman appreciated the achievements made by ICAR IISR particularly the initiation of genome editing technique namely CRISPR-CAS9. He expressed his views regarding enhancement of farmer's income through specialty soybean, value addition, secondary agriculture by way of food products like tofu, soy milk etc. and through establishment of other soy-based peri-urban enterprises. Dr. A.K. Sharma emphasized the use of advance technologies like drones and sensors for delivering inputs and monitoring plant and soil health to attain high productivity and income while keeping up the environmental concerns. Dr. Dinesh Kumar stated that the research outcome could be manifold if the research results and products are functionally shared with the AICRPS centres. He emphasized on the importance of continued handholding with the scientists of AICRP network for harnessing the benefits of marker assisted breeding for expedited crop improvement activities as well as for adopting research outputs emanating from ICAR-IISR. The meeting was ended with a vote of thanks to the chairman and other members.





Research Advisory Committee (RAC) meeting

Institute Research Council (IRC) meeting

33rd Annual Institute Research Council meeting of the Institute was held during June 12-14, 2019. Chairman, IRC, Dr. V.S Bhatia, in his opening address, expressed his satisfaction over the soybean production in the previous year due to good climatic conditions and timely dissemination of "weekly advisory on soybean production" by IISR. Dr. Giriraj Kumawat, Secretary, IRC presented the action taken report on the decisions of the 32nd IRC and the recommendations made by RAC committee. Principal investigators of the ongoing projects presented project-wise presentations of research work done during 2018-19 along with envisaged programmes for the year 2019-20. During the concluding remarks, the



Quinquennial Review Team and Institute Management Committee Meeting held at ICAR-IISR, Indore

Chairman appreciated the research achievements made during the year. He said that the outcome of the new as well as ongoing research projects should benefit soybean farmers.

Quinquennial Review Teams (QRTs) and IMC meeting

QRT along with Institute Management Committee (IMC) meeting was held at this institute to review the achievements of the institute and its AICPRS centers for the period 2012-13 to 2016-17. The committee under the chairmanship of Dr. K.P. Vishwanatha, Vice chancellor, MPKV Rahuri evaluated the progress of the institute and AICRPS centers and report submitted to ICAR.



Dr. V.S. Bhatia, Director, IISR Indore and Dr. K.P. Vishwanatha, Chairman QRT submitting final report to Dr. T. Mohapatra, D.G, ICAR and Dr A.K. Singh D.D.G (Crop Science), ICAR



Celebration of International Yoga Day

International Yoga Day was celebrated at the ICAR-Indian Institute of Soybean Research on 21st June 2019. All the staff of the institute along with the Director have actively participated in the Yoga session. The session started with Pranayama following by Surya Namaskar and other Yoga-aasanas. The Yoga session concluded with Chakra Meditation and Universal Peace Prayer.



International Yoga Day celebration at the institute One day training programme

During Jan-June 2019, the institute organized 29 one day farmers' training programmes on Improved Soybean Production Technologies involving 1053 farmers and farm women. Similarly, seven one day training programmes were "Processing organized on and Utilization of Soybean for Food Uses" with total participation of 223 women belonging to Madhya Pradesh.The institute also organized One dav Farmers' Training Programme on improved soybean production technology for 21 farmers of Begusarai District, Bihar under the ATMA scheme of the state government.

Survey on herbicide toxicity

The institute has received concerns from the farmers of the villages Chander and Arodacot regarding herbicide toxicity on soybean crop. Dr.S. D. Billore and Dr R. K. Verma with other state department officials conducted a survey

of farmers' fields. The team observed that the application of Chlorimuron-ethyl 25% WP alone or in combination with Fenoxapropethyl 9.3% severely affected the soybean crop. The very severe phytotoxicity symptoms observed by the spray of Chlorimuron-ethyl 25% WP herbicide which is the product of Tropical Agro Company sprayed by the affected farmers. The toxicity of this herbicide may occur due the concentration/active ingredient proportion. Incidentally, the same herbicide (chlorimuron-ethyl 25% WP) of DuPont company was sprayed by farmers of same villages, but no phytotoxicity symptoms were observed.



Survey of Herbicide toxicity at village Chander & Arodacot Kisan Goshti and Input distribution under schedule caste sub-plan

The Institute organized Kisan Goshti and input distribution programme on June 4th 2019, at Amlaha, Sehore district of Madhya Pradesh under the Schedule caste sub plan. The special invitees for the Goshti were Dr Rajat Saxena, CEO, Manthan, Amlaha, Dr Gulbir Singh Pawar, Regional Manager, NSC, Bhopal (M.P.); Dr. D.K. Solanki, Sr. Manager (Agricultural Services) IFFCO, MP; Dr. Archana Singh, Principal Scientist & Station Incharge, IIPR, Fanda, Bhopal (MP) and the programme was presided over by Principal Scientist & Director In charge, IISR, Indore, Dr A.N Sharma. All the dignitaries addressed the farmers and urged them to adopt the new technologies, diversified crops and value addition for improving the farm productivity. Emphasis was also laid on use of climate smart



technologies. Kisan Goshti was held after the inaugural programme wherein, experts from different organizations have attended to the queries of the farmers. A total of 250 quintal soybean seeds were distributed to 833 beneficiaries, 800 quintals of fertilizer distributed to 800 beneficiaries, 5 quintal

seeds of maize and pigeon pea distributed to 250 beneficiaries and 2000 vegetable kits distributed to 392 beneficiaries from 91 villages of Ichhawar, Ashtha and Amlaha block of Sehore district of Madhya Pradesh.



Biotech - Krishi Innovation Science Application Network

DBT sponsored Biotech- Krishi Innovation Science Application Network was initiated in Sehore district of Madhya Pradesh with ICAR-IISR, Indore as partner of the main hub established at Manthan, Amlaha, Sehore district (MP). A survey was under taken in Ichhawar and Ashta block of the district to identify beneficiaries under the project. Ten villages (Bafapur, Kothari, Lasudiyakhas, Kheri, Bhilkhedi, Naplakhedi, Sonda. Amlaha, and Gajikhedi) were identified. A meeting was held with farmers with regard to introduction of Broad Bed and Furrow machine for sowing in soybean cultivation.

One beneficiary was selected from each of the village for conducting demonstration. All the beneficiaries received following inputs Soybean seed, Rhizobium culture, fungicide, insecticide, Fertilizer, sulfur bentonite & Zinc Sulphate. Seed treatment was demonstrated to each of the beneficiaries along with other farmers registered under the Farmer's field school. Information with regard to benefits of BBF machine under adverse climatic condition (drought and heavy rainfall) and also seed treatment was demonstrated.







Demonstration of seed treatment at Farmer's field

Other Institutional Activities

Mera Gaon Mera Gaurav: The programme is being implemented in 25 villages of Indore districts in which a team of five multidisciplinary scientists are maintaining close contact with farmers. Beside soybean, the scientists are facilitating information flow of other agricultural commodities and the agricultural/developmental schemes launched by government of India for the overall development of rural masses.

Swach Bharat Abhiyan : The institute is regularly organizing cleanliness drives on

last Saturday of every month and taking up the activities for cleanliness and maintenance of office building, laboratories, canteen, farm section buildings, residential campus and various roads located in ICAR-IISR campus. Under the programme, various activities as outlined in the annual as well as five year plan are being conducted especially organization of public rally, cleanliness programme at public/tourist places, digitization and weeding out old office records, use of bio-degradable waste for compost making etc.

Event/Place	Organized by	Dates
ASC India Expo at NASC	ICAR-IARI, New Delhi	20 th -23 rd February, 2019
Complex, Pusa New Delhi		
Krishi Vigyan Mela at KVK	Department of Agriculture,	23 rd -24 th February , 2019
Indore	District Indore	

Participation of ICAR-IISR in Agricultural Exhibitions





Input distribution for Kharif 2019 under MGMG

Promotions

ICAR-IISR family heartily congratulates the following for their promotion to next level.

- Dr. Rajkumar Ramteke, Sr. Scientist to Senior Scientist (PB-4) (Plant Genetics) w.e.f. 17.01.2016
- Dr. Punam Kuchalan, Sr. Scientist to Senior Scientist (PB-4) (Seed Technology) w.e.f. 16.02.2018.

Awards/Recognition

• Dr. Surendra Kumar, was elected as council member (Open), Indian Library Association (ILA) for the period 2019-21.

Superannuation

• Dr. Sushil Kumar Sharma, Assistant Chief Technical Officer on 30.06.2019.



संस्थान में जनवरी-जून 2019 के दौरान राजभाषा-कार्यान्वयन संबंधी विभिन्न गतिविधियाँ

के आयोजन का मुख्य ध्येय यह भी होता है कि हिन्दी का प्रयोग किस प्रकार सरल से सरलत्तम की ओर बढ़ाया जा सकता है । इसलिए प्रत्येक तिमाही में कम से कम एक हिन्दी कार्यशाला का आयोजन किया जा रहा है। ताकि संस्थान के सभी सवंगों में हिन्दी में कार्य संपन्न करनेका रुझान में उत्तरोत्तर प्रगति हो सके । इस उद्देश्य हेतु संबंधित विषयानुसार कार्यशालाएं सम्पन्न की जाती है । जनवरी -जून 2019 में अब तक कार्यशालाओं का आयोजन किया गया, जिसकी सूचि इस प्रकार से है ।

क्र.	दिनांक	विषय	अतिथि वक्ता
	12	राजभाषा	श्री जयनाथ
1	ग <u>्</u> र मार्च	कार्यान्वयन	यादव,
	2019	और	हिन्दी
	2017	प्रशासनिक	अधिकारी,
		शब्द	भारतीय प्रबंध
		संसाधन	संस्थान, इन्दौर
		राजभाषा	डॉ. राजीव शर्मा
		हिन्दी का	विभागाध्यक्ष -
		वैश्विक	पत्रकारिता,
2	18 जून,	स्वरूप:	श्री अटल बिहारी
	2019	अतित	बाजपेयी
		और	शासकीय कला
		वर्तमान	एवं वाणिज्य
		परिदृश्य	महाविद्यालय,
		, , , , , , , , , , , , , , , , , , ,	इन्दौर

घ) प्रशिक्षण - संस्थान में राजभाषा के प्रचार प्रसार हेतु कृषकों एवं प्रशिक्षणार्थियों कोप्रशिक्षण संबंधित सारी सामग्रियाँ हिन्दी में प्रदान की जा रही है ।

ड) शब्द कोष में वृद्धि : संस्थान में प्रतिदिन एक शब्द हिन्दी एवं अंग्रेजी को द्वि भाषी रुप में आज का शब्द के रुप में प्रदर्शित किया

भारतीय संविधान में हिन्दी को संघ की राजभाषा के रूप में स्थापित किया गया है एवं संविधान के भाग सत्रह, अनुच्छेद तीन सौ इक्यावन में वर्णित है कि राजभाषा हिन्दी को इस तरह से विकसित किया जाए ताकि वह भारत की विविध संस्कृति को व्यक्त करने में समर्थवान हो । अत: राजभाषा के रूप में हिन्दी की भूमिका अत्यंत महत्वपूर्ण तथा दायित्व – युक्त है । इस उद्देश्य का वहन करते हुए भा.कृ. अनु. परि.– भारतीय सोयाबीन अनुसंधान संस्थान, इन्दौर में राजभाषा हिन्दी के प्रचार–प्रसार हेतु अनेकानेक कार्यक्रम किए जा रहे है । जिनका स्वरूप भारतीय सोयाबीन अनुसंधान संस्थान में राजभाषा कार्यान्वयन के क्षेत्र में उत्तरोत्तर प्रगति के साथ दृष्टी गोचर होते हैं, जो राजभाषा के प्रगामी प्रयोग में अत्यंत सार्थक सिद्ध हो रहे हैं । इस क्षेत्र में किए जा रहे क्रियाकलापों का संक्षिप्त विवरण निम्नलिखित है ।

क) राजभाषा नियम, 1976 के नियम 8 का अनुपालन :संस्थान के अधिकारी एंव कर्मचारी शासकीय कार्यों राजभाषा नियम, 1976 के नियम 8 उपनियम (1) तथा (4) के अनुसार लिखे जाने वाली टिप्पणियाँ एवं अन्य कार्य हिन्दी में करते हैं।

ख) राजभाषा कार्यान्वयन समिति की तिमाही बैठक

प्रथम बैठक - दिनांक 7 जनवरी 2019 द्वितीय बैठक - दिनांक 6 अप्रैल 2019

ग) हिन्दी कार्यशालाएं : संस्थान के अधिकारियों एवं कर्मचारियों की हिन्दी में कार्य करने के दौरान होने वाली समस्याओं के निराकरण हेतु संस्थान में हिन्दी कार्यशालाओं का आयोजन किया जाता है। इस के अतिरिक्त कार्यशालाओं जा रहा है, ताकि कर्मचारियों अधिकारियों एवं वैज्ञानिकों के हिन्दी शब्द ज्ञान में वृद्धि करने के साथ ही साथ हिन्दी के कार्यालयीन उपयोग में भी सहायता प्रदान कर सके।

च) अनुवाद द्विभाषी प्रपत्र : संस्थान में कार्यालयीन कार्य में प्रयुक्त होने वाले विभिन्न पत्रों प्रपत्रों आदि का अनुवाद कार्य भी प्रगति पर है, जिससे दैनिक के साथ ही प्राय: प्रयुक्त होने वाले सभी प्रकार के पत्रों, प्रपत्रों का द्विभाषी मुद्रित रूप सम्मिलित है । यह कार्य राजभाषा कार्यान्वयन की दिशा में स्थाई एवं आधारभूत उपलब्धि है ।

छ) राजभाषा तिमाही रिपोर्ट का प्रेषण : संस्थान में राजभाषा हिन्दी से संबंधित समस्त कार्यों का विवरण तिमाही हिन्दी रिपोर्ट के माध्यम से संबंधित विभागों को ऑनलाईन एवं द्रुतगामी डाक सेवा से प्रेषित किया जाता हे । इस कार्य को धरातलीय रूप प्रदान करने में संस्थान के समस्त संबंधित अनुभाग का सक्रिय एवं सराहनीय योगदान होता है ।

ज) राजभाषा अधिनियम : 1963 की धारा 3 (3) से संबंधित दस्तावेजों जैसे : सामान्य - आदेश, अधिसूचनाएं, प्रेस विज्ञप्तियाँ, संविदा, करार, लाईसेंस पर्मिट, टेंडर के फार्म और नोटिस, संकल्प नियम इत्यादि को (हिन्दी और अंग्रेजी) द्विभाषी रूप में निकाला जाताा है, ताकि राजभाषा संबंधित दिशा - निर्देशों का पालन सतत् होता रहे ।

झ) यूनिकोड की सुविधा : संस्थान के अधिकारियों तथा कर्मचारियों की हिन्दी में कार्य करने की रुचि में वृद्धि करने हेतु समस्त कम्प्यूटर में हिन्दी यूनिकोड की व्यवस्था प्रदान की गई है, जिससे एक समान फॉन्ट के माध्यम से पूरा संस्थान एक ही दिशा की ओर अग्रसर हो सके ।

ञ) मौलिक लेखन कार्य प्रादुर्भाव: संस्थान में राजभाषा संबंधी विभिन्न क्रिया कलापों के साथ मौलिक लेखन कार्य को द्रुतगामी आयाम प्रदान करने में अधिकारियों एवं कर्मचारियों की रूचि अद्वितीय है। विभिन्न प्रतिष्ठित संस्थानों द्वारा इनकी लेखनी को स्थान प्राप्त होते हैं।

राजभाषा कार्यान्वयन के क्षेत्र में: भा.कृ. अनु.परि-सोयाबीन अनुसंधान संस्था की प्रगति को व्याख्या का एक स्वर्णिम झलक आप के समक्ष प्रस्तुत है । उपरोक्त गतिविधियों पर यदि दृष्टिपात करें तो ज्ञात होता है कि संस्थान में राजभाषा कार्यान्वयन की दिशा में एक सकारात्मक एवं सार्थक कार्य हो रहा है, जो संस्थान में हिन्दी के सुनहरे भविष्य का आभास कराती है ।





हर कदम, हर डगर किसानों का हमसफर जनसंधान परिषद

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