



JNKVV NEWS

Official Newsletter of
Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur

New Vice Chancellor Joins: Dr. Pradeep Kumar Bisen "Scientific Progress Pace shall get momentum"

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Patron

Dr. Pradeep Kumar Bisen
Vice Chancellor
JNKVV, Jabalpur

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Dr. Pradeep Kumar Bisen joined as 15th Vice Chancellor of Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (Madhya Pradesh) on Thursday, November 23, 2017. Soon after his joining, addressing a press-conference, he assured that the 'Marching Towards the Brighter Future' shall be continued. In accordance of policies of State and Central Government of India, the Farmer-Friendly-Policies shall be implemented for alleviation of poverty, with new enthusiasm. Welfare of farmers shall be the priority activities of the University, in coming years.

Born in a farmer family at Landijhiri village, Distt. Balaghat (MP), Prof. Bisen obtained his graduation from College of Agriculture, Jabalpur in 1976. He obtained Masters of Science in Agricultural Economics & Farm Management during 1978. For his Doctoral degree, he worked under the supervision of Prof. B.L. Mishra and received Ph.D. (Agril. Economics and Farm Management) in 1986 from JNKVV, Jabalpur. He has an experience of more than 32 years of teaching, research, extension and administration at JNKVV. Prof. Bisen has served as Dean Student Welfare, Director Extension Services.

Counting his priorities in the University, he elaborated very meticulously including the mandate

and mission. Students and youth are the major energy power for transformation of base line, hence, with the determination, dedication and discipline, the quality of education shall be improved, to the tune of world-class-Universities. For the research wing, integration of multi-disciplinary approach would be adopted to resolve the problems of varied agro-climatic conditions. He made a thrust that based upon the previous experiences, initially potential threats will be identified and later a task force will be created to overcome and provide practical solution. The potential problems of each farming systems will be re-worked out with precise estimate of its impact on agricultural economy so that applied research shall be re-planned, especially under the changing situations of weather vagaries. Meanwhile, the technologies already developed shall be transferred to the farming community through 20 KVKs spread over 7 agro-climatic conditions under the jurisdiction of JNKVV in 25 districts.

On this occasion, former Vice Chancellor, Prof. Vijay Singh Tomar, was also present. The handing-over ceremony was conducted in a very cordial manner and pleasant atmosphere. Before leaving his office, Prof. Tomar and Prof. Bisen, planted a Friendship-Tree near Administrative Block, to mark the occasion.

Glimpses of Welcome to Dr. Pradeep Kumar Bisen, Vice Chancellor, JNKVV, Jabalpur



National Symposium on "Challenges and Opportunities: Management of Plant Diseases under Weather Change"



Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur in collaboration with the Central Zone Chapter, Indian Phytopathological Society, New Delhi organized National Symposium on "Challenges and Opportunities: Management of Plant Diseases under Weather Change" at College of Agriculture, Jabalpur on December 14-15, 2017 with themes viz., Role of green technologies, Post harvest management, Disease management under organic farming situation in changing weather conditions, Challenges in agricultural extension education for plant health and solution for adoption of effective plant disease management, Molecular approaches in disease diagnosis, Integrated disease management and epidemiology & forecasting of diseases aspects.

Dr. P.K. Bisen, Hon'ble Vice Chancellor, JNKVV, Jabalpur, Dr. P.K. Mishra, Dean Faculty of Agriculture, Dr. Dharendra Khare, Director Research Services, Dr. Robin Gogoi, Joint Secretary, Indian Phytopathological Society, New Delhi, Dr. Pratibha Sharma, Emeritus Scientist, ICAR, Dr. M.P. Thakur, Director Extension Services, IGKVV, Raipur, Dr. O.K. Sinha, IISR, Lucknow, Dr. R.K. Chourasia, Dr. N.D. Sharma and Dr. R.L. Keshwal (Retd. Professor) graced the occasion. Dr. M.N. Khare, Former Dean, College of Agriculture was the Chief Guest.



The National symposium began with the invocation song and lighting of lamp by the dignitaries. Dr. Om Gupta, Dean, College of Agriculture, Jabalpur and President, (Central Zone) Indian Phytopathological Society, extended warm welcome to the dignitaries, participants, extension professional, professors, farmers, NGOs, scientists, students and staff of the University.

Dr. P.K. Bisen, Hon'ble Vice Chancellor, JNKVV, Jabalpur, in his presidential address, appraised that we are very proud of what we have achieved during the as past. We have to make our students active learners grow into global leaders with creative and independent minds who will be able to cross national as well as disciplinary boundaries.

Prof. M.N. Khare, Former Dean, College of Agriculture, Jabalpur in his keynote address congratulated the plant pathologist for managing the disease of crops, educating the students, researchers and extension workers advocating new technologies through KVKs for higher production. He expressed concern over the fluctuation in plant diseases due to the changing climate patterns and cropping systems, host-pathogen and favourable environment interactions.

Dr. P.K. Mishra, Dean Faculty of Agriculture in his address, pointed out rapid dissemination of Mung bean





yellow mosaic disease in Soybean and wilt in pulses. Vector-borne diseases are becoming a major threat. Lack of domestic quarantine system.

Dr. Dharendra Khare, Director Research Services, stressed that symposium themes are quite relevant to the present scenario and need of the day. It will certainly stimulate effective discussion and shall lead to pragmatic and relevant recommendation.

Dr. Robin Gogoi, Joint Secretary, IPS, New Delhi highlighted the past, present and future about the society and said that KVK system plays a key role in transfer of modern and emerging technologies in agriculture and in allied sectors leading to high value agriculture. He asked scientist to identify regions that are more vulnerable to climate change and variability in order to develop effective and appropriate measures of plant diseases.

The Abstract Book entitled 'Challenges and Opportunities: Management of Plant Diseases under Weather Change' containing about 200 abstracts of research papers by delegates, eminent scientists, educationist, students, industrialist and farmers from various states was also released in this occasion.

During two days Symposium and Annual Central Zone Chapter of Indian Phytopathological Society, Best Poster Awards theme wise, were given to the scientist/students apart from MJ Narasimhan Academic Merit Award contest. The name of two scientists were recommended for presenting in Annual Meeting of IPS



to be held at AAU, Jorhat, Assam. Apart from lead speakers, oral presentations were also made on different themes. In all, 64 posters were presented in different themes. Dr. Pratibha Sharma was the Chairman and Dr Robin Gogoi was Co-chairman, Dr. Anil Kotshatne, Dr. Om Gupta and Dr. R.K. Varma were the members. In each theme, two papers were adjudged as first and second and awarded the certificates in Valedictory Function. Dr. Pramod Gupta, Co-Convenor proposed the vote of thanks.

AWARDS

Best Poster Award:

- **Konika Silodiya (2017):** Outbreak of mungbean yellow mosaic virus disease of soybean under changing climatic conditions of Jabalpur, Madhya Pradesh.
- **Minakshi Patil and Om Gupta (2017):** Genetic variability assessment of *Fusarium oxysporum* f. sp. *ciceri* using molecular markers .
- **R.S. Marabi and A.K. Jha (2017).** Natural infection of mungbean yellow mosaic India virus in weed plant and kharif cultivated pulses.

Award to Students: Nominated and recommended two names **Gyanendra Pratap Tiwari** and **Aafreen Khan** (Plant Pathology) who have presented papers for MJ Narshiman Academic Merit Award during National Symposium for contesting MJ Narshiman Academic Award in Annual meeting of IPS to be held at AAU, Jorhat in February, 2018.



National Seminar on "Managing Soil Health for Sustainable and Nutritional Food Production"



The National Seminar on "Managing Soil Health for Sustainable and Nutritional Food Production" was organized by the Department of Soil Science & Agricultural Chemistry, JNKVV, Jabalpur in collaboration with GKV Society, Agra during October 28-29, 2017. The conference was inaugurated by Chief Guest Prof. P.D. Juyal, Hon'ble Vice Chancellor, Nanaji Deshmukh Veterinary Science University, Jabalpur, under the Chairmanship of Prof. V.S. Tomar, Hon'ble Vice Chancellor, JNKVV, Jabalpur, in the presence of Dr. P.K. Mishra, Dean Faculty of Agriculture, Dr. Dharendra Khare, Director Research Services, Dr. P.K. Bisen, Director Extension Services, Dr. (Smt.) Om Gupta, Dean, College of Agriculture, JNKVV, Jabalpur and National Conference Chairman Dr. Vinay Singh, Agra, Organizing Secretary Dr. B. Sachidanand,



Head, Soil Science and Co-organizing Secretary, Dr. H.K. Rai. On this occasion, more than 150 participants across the country were participated. During the opening ceremony "Life Time Achievement Award" was conferred to Hon'ble Vice Chancellor, JNKVV, Jabalpur, Special Awards were conferred to Dr. G.D. Agrawal and Dr. B. Sachidanand. while nine scientists were awarded with 'Fellow' of the Society award. Awards were also given to the scientists as 'Outstanding for the Year 2016-17', Young Scientists, Best Doctoral and Master's thesis award were given to the students. It has come out in the proceedings of the conference that this is the right time to focus on soil health in relation to plant and human health to sustain the productivity human health and environmental quality for healthy soil and healthy life.

RESEARCH

New Project Sanctioned

- Study on extent of participation and impact of e-NAM on stakeholders of Bundelkhand region of MP. P.I.: Dr. Anil Mishra, Assistant Professor (Humanities), College of Agriculture, Tikamgarh. Sanctioned by MP Council of Science & Technology, Bhopal; budget outlay: Rs. 5.90 lakhs; duration: 2 years.

Varietal Development

- **Rice: Improved Chinnor:** Developed with all traditional characters of traditional Chinnor. Matures in 155-160 days with average yield of 30-32 q/ha. Useful in biodiversity conservation and making available quality seed material. A



boon to the farmers by fetching more market price. Gives 25-30% more yield as compared to traditional Chinnor. Adaptation: Balaghat and Seoni districts of MP.

- **Improved Jeera-Shankar:** Developed with all characters of traditional Jeera-shankar.
 - Useful in biodiversity conservation and availability of quality seed material.
 - Provide more price due to its improved characteristics resulting more income.
 - More yield potential (25-30%) over traditional Jeera-shankar.
 - Matures in 140-145 days with an average yield of 30-32 q/ha.
 - Adaptation : Seoni, Mandla, Dindori, Anoopur Umaria, Shahdol and Katni districts (MP).



- **Jawahar Rice: JR 81:** JR 81 will replace the

old/traditional varieties of rice viz. MTU 1010, IR 64 and IR 36.

- Grain long, fine with intermediate amylase content. 30-35% more yield over high yielding existing/traditional varieties.
- Fetch better market price.
- Matures in 115-120 days with an average yield of 55-60 q/ha
- Adaptation: Rainfed areas of Madhya Pradesh (wider adaptability)



● **JR 767:** Suitable for transplanting in irrigated condition. High yielding, early maturing variety (110 -115 days) having long slender grains along with erect and nitrogen responsive characters. This variety is resistant to diseases viz. Tungro and brown spot too and suitable for climatic conditions of Madhya Pradesh.



● **Oat: Jawahar Oat 04-315 (Jawahar Oat 5)**

- A multi cut type and ready for harvest in 90-100 days i.e. 1st cut at 55-60 days and 2nd cut at 50% flowering.
- Possess high yield potential (575-600 q/ha green fodder).
- Sustainable in low moisture conditions.
- Least susceptible to biotic stresses like leaf blight, Aphids/tiller and leaf defoliator.
- Being a multi cut genotype it provides fodder for long duration.
- Suitable for oat growing areas of Central India.

● **Rice Bean: Jawahar Rice Bean 05-4 (Jawahar Rice Bean 2)**

- An early (short duration) variety, ready for harvest in 75-85 days for fodder purpose.
- Possess high yield potential (260-270 q/ha green fodder).



- Sustain short duration of high moisture conditions.
- Least susceptible to biotic stresses like leaf blight, mosaic virus and leaf defoliator
- An early genotype, suitable for cultivation in pulse fodder growing areas.
- Being semi erect growth habit, it is suitable for intercropping with Maize and Sorghum.

● **Niger: JNS 30:** Variety takes 97 days for maturity with yield potential of 6 q/ha. having 123 cm plant height. It can be grown from mid July to September end. It is found restraint to *Cercospora* and *Alternaria* leaf spot in field condition.



● **Chickpea: JG 36:**

Jawahar Gram 36 is a desi chickpea high yielding variety (18-22 q/ha) with wider adaptability. It has semi-spreading growth habit, medium plant height, profuse branching. Its seeds are brown, medium in size and attractive. It is resistant to *Fusarium* wilt, moderately resistant to dry root rot and stunt. This variety is recommended for rainfed/irrigated areas.



● **Linseed JLS 79:**

Pedigree: Padmini X Laxmi 27. Matures in 117-120 Days; Average Yield: 1726 kg/ha; Oil Content: 36.8/5%; Disease Reaction: Wilt - Moderately Resistant Powdery Mildews - Moderately Resistant; Rust: Resistant, *Alternaria* Blight - Moderately Susceptible; Pest Reaction: Bud fly: Moderately Resistant; Farming Situation: Irrigated



● **Little millet: RLM 4-1 (JK 4):** The proposed variety RLM 4-1 is erect and early maturing. It is suitable for sole as well as inter/mixed cropping. The variety is

responsive to NPK application. The variety has good level of resistance against drought, lodging and to key pest shoot fly. The variety is moderately resistant to grain smut. Nutritionally RLM 4-1 is superior or at par with existing little millet varieties. Suitable for rainfed situation of MP.



● **Sugarcane: CO JN**

95-05: Variety has given 10.25 and 15.70 % higher mean yield over the national checks Co 86032 and Co 99004 with increase in commercial sugarcane 5.37 and 12.26 % respectively, suitable for all planting conditions, plant height 247- 303 cm, Leaf erect tips drooping, bud medium, slightly bulged, Maturity 1-14 months, No disease incidence reported in Madhya Pradesh. suitable for autumn ; sole and inter cropping, Non lodging seed rate 100 q/ha Average yield potential 113. 45 ton/ha under normal conditions.



● **ICAR - Appreciation to JNKVV Soybean Centre:**

The golden-nugget, soybean is valued due to high quality vegetable protein and a rich source of edible oil. In central India, JNKVV has been recognised as a 'Centre of Excellence'. JNKVV scientists have developed around 17 improved varieties. JNKVV bred varieties are being grown on around 92 per cent geographical area in soybean belts of India. About 27 per cent Breeders seed is produced by the University. The soybean research team of JNKVV has developed technologies for the benefit of farmers. In recognition of these, 'Certificate of Appreciation' was given during 47th Annual Group Meeting of ICAR-Soybean Project held at GBPUAT, Pantnagar. The appreciation certificate was given in the gracious presence of ICAR-ADG (Oilseed & Pulses), Dr. S.K. Chaturvedi and ICAR-IISOYR, Indore, Dr. V.S. Bhatia During the meeting. A new Soybean variety JS 20-98 was recommended for Madhya Pradesh, Maharashtra and Rajasthan.

International MoU signed



- MoU signed between Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur and Chiba University, Japan on "Education for Sustainable Development (ESD) focusing on school lunch with adopting traditional crops in MP" on November 23, 2017. Hon'ble Vice Chancellor, Prof. P.K. Bisen, Director Instruction Dr. D. Khare, and Dr. Koji Tsuji, representative of Chiba University, Japan were present on the occasion.

VISIT OF DIGNITARIES

- **Dr. Rebacca Zwart**, USQ, Australia and Dr. Mahendra Thudi, ICRISAT visited the Department of Plant Pathology and discussed the project proposal on Lesion nematode with Vice Chancellor and Director Research Services on December 20, 2017.
- **Dr. Robin Gogoi**, Joint Secretary, IPS, IARI, New Delhi, **Dr. Prtibha Sharma**, Emeritus Scientist, ICAR, **Dr. O.K. Sinha**, Ex. Project Director, IISR, Lukhnow, **Dr. M.P. Thakur**, DES, IGKV, Raipur and **Dr. Anil Kotasthane**, HOD, Plant Pathology, IGKV, Raipur Visited Department of Plant Pathology.
- **Mr. Hira Lal Trivedi**, Chief Information Commissioner (CIC) of Madhya Pradesh visited JNKVV, Jabalpur on November 15, 2017.

MEETINGS

- **Seed Hub Project - Review meeting on Seed projects:** Review meeting on different projects on seed production was held on December 18, 2017 under the Chairmanship of Dr. A.K. Tiwari, Director, Pulse Development Directorate. Hon'ble Vice Chancellor, JNKVV, Dr. P.K. Bisen, Director Farms Dr. Sharad Tiwari, Dr. Anita Babbar, Dr. R.S. Shukla, Dr. S.R.K. Singh and scientists of different KVK's were present. Plan of Seed Hub Project on Oilseeds and Pulses to increase the production in India and breeder seed production was discussed. The Seed Hub Project being

operated at five KVK i.e., Betul, Damoh, Harda, Narshinghpur and Tikamgarh and at two research stations Jabalpur and Sagar.

● **Farm Mechanization for Soybean based Cropping Systems in Central India:** A meeting of both the Agricultural Universities located in the state of Madhya Pradesh was organized on November 16, 2017 under the chairmanship of Hon'ble Vice Chancellor, JNKVV, Jabalpur and Hon'ble Vice Chancellor, RVSKVV, Gwalior in the presence of scientists of both the Universities working on soybean. Based on the discussion the concept note entitled Farm Mechanization for Soybean based Cropping Systems in Central India is prepared and forwarded to Japan International Cooperation Agency (JICA) through Government of Madhya Pradesh for consideration to get support of Japan.

● On September 27 and October 23, 2017 meetings were held to prepare 'District wise Contingent Agriculture Work Plan for the State'. In the meeting held on October 23, 2017 in the Seminar hall of the Directorate of Extension Services. **Dr. Jagdish Prasad**, Principal Scientist from National Bureau of Soil Science & Land Use Planning, Nagpur gave necessary guidance to draft the district wise contingent agriculture work plan.

● A meeting was held on December 4, 2017 with BARC, Mumbai to sign the MoU for collaborative research and Extension activities with the University. Scientist from BARC, Mumbai was delivered a lecture on 'Nuclear Power Plants are Safe to Environment'.

EXTENSION ACTIVITIES

● **Farmers' FIRST Project:** College of Agriculture, Balaghat runs the project FFP. Under the project, 1000 farm families were covered from the three villages i.e. Koppe, Chillod and Lendejhiri. Due to the interventions of FFP, the area under different field crops in *Rabi* season is increased and production efficiency



(kg/ha/day) of the farmers increased from 30.20 to 46.98 and also the cropping intensity increased from 129% to 133% respectively. The project runs with the specific objectives as:

- to enhance farmer-scientist interaction for better dissemination of knowledge to facilitate continues feedback.
- to study the comparative suitability and technical efficiency of production inputs.
- assessment of technology of production for refinement and its socio-economic gain.
- to find out the income and employment generation of farm modules.
- to build network of linkages of organizations around the farm households for improving access to information, technology, input and market demand.
- emphasis the policy implication on technologies options and production system in paddy based farming system.



● **Cluster demonstration pulses and oilseed:** Cluster demonstrations on oilseeds and pulses in area of 480 ha has been organized by KVKs in different district of jurisdiction area of *Rabi* season during October to December, 2017. About 465 technological demonstrations were presented on farmer's fields.

● **Kisan Mobile Sandesh (KMS):** Under the KMS programme, KVK's sent 480 messages on need based technologies to 6,00,000 farmers from October to December 2017, twice in a week in *Hindi* language.

● **'Farmers' Awareness Program'** was organized by Gramin Krishi Mausam Seva formally (Integrated Agro-



Meteorological Advisory Services) - College of Agriculture, JNKVV, Tikamgarh for three days at Dariyapur village of Datia, Sakerabharawan, Niwari village of Tikamgarh and Niwari village of Chhatarpur district on 1st, 3rd and 23rd March 2017. 294 farmers were participated in the program. The program was sponsored by Indian Meteorological Department, Ministry of Earth Science, Government of India, New Delhi.

- **Mahila Kisan Diwas** organized on October 15, 2017 at Krishi Vigyan Kendra, Jabalpur. In the programme, activities like debate, quiz exhibition were organized and women were honoured with '*Mahila Krishak Samman*' for the best work in the field of agriculture. 30 progressive farm women were participated in the programme.



- **Swathiya Shivir** organized in Nutri Smart Village Sihoda. 150 participants were participated in the *shivir*. Convergence programme was organized in Sihoda village in collaboration with NSS, Home Science Girls College; Women, Child Development Department, and Krishi Vigyan Kendra. Monitored blood pressure, Hemoglobin test and distributed deworming tablets for different categories of women during the programme.

- **Neeti Ayog Team** visited Krishi Vigyan Kendra, Jabalpur. Dr. M.R. Prasad, Director, National Labour Economics Research and Development and Joint Director, Mr. Vijay Saxena monitored the field and KVK activities. They appreciated the KVK, Jabalpur work and



awarded 'A' grade.

- **Mukhya Mantri Khet Tirth Yojana:** A mega scheme "*Mukhya Mantri Khet Tirth Yojana*" was implemented through Krishi Vigyan Kendras. KVK's are demonstrated the latest transferable Agricultural technologies. These technologies preferred as per the need of the area and suitable for the agro-climatic conditions. The technologies consisted of improved variety of wheat (JW 3211) suitable for semi irrigated conditions, system of wheat intensification, system of mustard intensification, Ridge & furrow system in soybean, cultivation of Azola for animal feed, cultivation of Napier grass for year round supply of fodder, Recycling of farm bio wastes through vermi-composting, Resource conservation through zero tillage in rice wheat cropping system, Raised bed in chickpea and pigeon pea, as well as for regular income at farmers sweet corn is recommended and demonstrated vegetable cultivation with plastic culture nursery management for seedling and sapling of major vegetables crops, Meadow and high density orchard plantation in guava. As an outcome of this scheme, more than 49,375 progressive farmers were visited and acquainted with the technologies.

EVENTS ORGANIZED

- **Celebrated 54th Foundation day of JNKVV:** Foundation week was celebrated the at College of Agriculture, JNKVV Jabalpur from 1 to 7 October, 2017. A very impressive programme was organised at Jabalpur.



- **October 1, 2017** - Tribute to Pt. Jawaharlal Nehru by garlanding the bust at the University building. All the authorities and faculty members graced the occasion. Dr. Dharendra Khare, Director Research Services, presented the '**54 years of JNKVV Success Journey**' in the field of teaching, research and extension.



- **October 2, 2017** - University authorities and all the faculty members and students participated in Swachhchhta Abhiyan at College of Agriculture



Jabalpur, boys and girls hostel, University premises and College of Agricultural Engineering.

- **October 3, 2017** - organized debate competition at university level on – *Bhavantar bhugtan yojana* in favor of the farmers.
- **October 4, 2017** - Detailed progress on achievements and future thoughts is being presented by Head of the Departments.
- **October 5, 2017** - Monitoring on the survival of saplings planted by JNKVV under '*Namami Devi Narmade*' programme.
- **October 6, 2017** - Poster presentation at the University level on topic 'Doubling the Farmers Income'.
- **October 7, 2017** - Foundation Week was concluded. On this occasion, Shri Gauri Shanker Bisen, Hon'ble Minister, Department of Farmer Welfare & Agriculture Development, Government of Madhya Pradesh was the Chief Guest and *Padma Bhushan* Dr. Ram Badan Singh, Chancellor, Central Agricultural University, Imphal was the Special Guest. The function was presided over by Prof. V.S. Tomar, Vice Chancellor, JNKVV. Prof. Ram Badan Singh, delivered the 54th Foundation Day Lecture on 'Transforming Agriculture for New India'.



- **JNKVV Krishak Fellow Samman 2017** with Rs. 10,000 cheque were awarded to progressive farmers **Shri Ashwani Singh Chouhan**, Ujjain, **Shri Akash Chourasia**, Sagar and **Shri Chain Singh Bais**, Balaghat.



- **JNKVV Lifetime Achievement Award 2017: Dr. Avinash Khatri**, Retd. Agriculture Scientist was presented memento and Life Time Achievement Award



- **JNKVV Best Teacher Award 2017: Dr. Vijay Yadav**, Associate Professor (Plant Path.), College of Agriculture, Ganjbasoda received Best Teacher Award.

• **World Soil Health Day:** The 5th day of December 2017 was celebrated as 'World Soil Health Day' in all the KVK's under the jurisdiction of JNKVV. In the programme, MPs, MLAs and Ministers were the chief guest. About 8000 soil health cards were prepared and distributed among the farmers.

- At Jabalpur, **World Soil Health Day** was celebrated on December 5, 2017 at Krishi Vigyan Kendra,



Jabalpur. The programme was chaired by Dr. P.K. Bisen, Hon'ble Vice Chancellor, JNKVV, Jabalpur. Dr. D.P. Sharma welcomed the participants and highlighted the objectives of the soil health day. During the technical session Dr. A.K. Dwivedi, Professor (Soil Science), delivered lecture on soil conservation for agriculture, Dr. Moni Thomas, Principal Scientist, KVK delivered talk on soil health management and Dr. B.S. Dwivedi explained about nutrient mining. Soil health card and its importance was explained by Dr. D.K. Singh and agri-waste management by Dr. Siddarth Nayak, Scientist, KVK Jabalpur. During the programme 53 soil health cards were distributed to farmers. A documentary was also shown to the farmers and the house took pledge for soil health.



- At Tikamgarh, Soil Health Day was celebrated at Krishi Vigyan Kendra, Tikamgarh on December 5, 2017. Hon'ble Minister of State for Child & Women Welfare, Govt. of India, Dr. Virendra Kumar, Chairman of *Krishi Sthayai Samiti* Shri Chhatrapal Singh Bundela and Dean, College of Agriculture, Tikamgarh Dr. B.L. Sharma distributed soil health card to the farmers.

- **Agriculture Education Day** was celebrated on December 4, 2017 under the Chairman of Dean, College of Agricultural Engineering. 60 students of Saraswati Shishu Mandir, Suhagi participated in this event. Importance of Agricultural Engineering was presented by B.Tech. Final year students to the



participant. Students visited to Micro Irrigation Demonstration Unit, Farm Machinery Lab and Processing Lab.

- **Parthenium Free Campus:** Mass awareness programme was organized for Parthenium free JNKVV campus during July 21-27, 2017. Special lecture on 'Parthenium Management' was given by Dr. Sushil Kumar, Principal Scientist, Directorate of Weed Science. Large number of students and staff attend the programme. A documentary film (Video) on Parthenium management was also shown for the students and staff.

TRAININGS

- Directorate of Extension Services and Krishi Vigyan Kendras imparted training to farmers, farm women, officers of Agriculture Department and Farm Tele Advisor from Kisan Call Centre. 248 trainings were imparted in which 7440 trainees participated.
- Two five days Masters Trainer's Training programme on 'Agroforestry' were organized at Directorate of Extension Services, JNKVV, Jabalpur in collaboration with Department of Forestry and Farmer Welfare and Agriculture Development Department, Bhopal during October 9-13, 2017 and November 6-10, 2017. In each training programme, more than 33 participants including Field Extension Officers of different districts attended training programme.





- Centre of Advanced Faculty Training (CAFT), Department of Soil Science & Agricultural Chemistry, JNKVV, Jabalpur organized a National Training Programme on 'Management of Soil Health with respect to its fertility for higher production and human health' during September 5-25, 2017. Selected through CBP Vortal, ICAR, 20 applicants selected, represented from ICAR and SAU's of the seven states (Maharashtra, Sikkim, Telangana, Gujarat, Rajasthan, Chhattisgarh and Madhya Pradesh). The participants represented Soil Science, Agronomy, Forestry, Horticulture, Plant Breeding and Environmental Science disciplines.

The training programme was inaugurated on September 5, 2017 by Prof. V.S. Tomar, Hon'ble Vice Chancellor, JNKVV, Jabalpur in the presence of other dignitaries from University and convened by Dr. B. Sachidanand, Director, CAFT and Professor & Head, Department of Soil Science & Agricultural Chemistry, J.N. Krishi Vishwa Vidyalaya, Jabalpur.

The training course was covered through 54 theory lectures, in which 15 lectures were delivered by the guest speakers invited from IARI, ICAR institutes and SAU's and 15 practical exercises and visited 6 institute to view the ongoing research experimental fields. The expert faculty of national and international repute from various ICAR Institutes/SAU's and other organizations along with the faculty of host institute delivered the lectures during this training programme.

- Training of Farmers Producers Organizations (FPOs) on Agri-Business Opportunities has been executed during December 6-8, 2017.

- Business Planning & Development Unit functioning under the Directorate of Research Services has organized three days training programme based on master's trainers training from October 10-12, 2017 with the financial assistance of Agriculture Skill Council of India, Gurgaon, Haryana in which 31 scientists participated 18 from JNKVV, Jabalpur and 13 from NDVSU, Jabalpur.

WORKSHOP

- National Workshop on "Farm Mechanization in Pulses" held on November 2, 2017 at JNKVV, Jabalpur. About 100 participants across the country participated. Hon'ble Vice-Chancellor, JNKVV, Jabalpur has presided over the function and Hon'ble Vice Chancellor, RVSKVV, Gwalior was the special Guest of the function. Prominent among them were Er. Rajeev Choudhary, Director, Directorate of Agril. Engineering, Govt. of MP, Bhopal, Dr. P.K. Singh, Directorate of Weed Science, Research, Jabalpur, Dr. P.M. Gour, Team Leader, Crop Improvement (Asia Programme), ICRIAT, Hyderabad, Dr. C.R. Mehta, Project Coordinator, AICRP on Farm Implements & Machinery, CIAE, Bhopal, Dr. Baldev Dogra, Prof. & Head, Farm Machinery & Power Engineering, College of Agricultural Engineering, Panjab Agril. University, Punjab, Dr. P. K. Mishra, Dean Faculty & Chairman of Organizing Committee, Dr. D. Khare, Director Research Services & Secretary of Organizing Committee, Dr. P.K. Bisen, Director Extension Services, Dr. Om Gupta, Dean, College of Agriculture, Jabalpur, Dr. R.K. Nema, Dean, College of Agricultural Engineering, JNKVV, Jabalpur and Dr. Atul Shrivastava, Prof. & Head, Farm Machinery & Power Engineering, JNKVV, Jabalpur.

- **Zonal Workshop of KVK's:** 24th Zonal Workshop of KVK's was organised at Burhanpur on November 24-26, 2017. Scientists from different KVK's of Madhya Pradesh, Chhattisgarh and Orissa were participated. Chief Guest was Smt. Archana Chitnis, Central Minister, Women and Child Development, New Delhi. Director General, ICAR, New Delhi. Dr. Trilochan Mohapatra was the Chairman of the programme. Dr. A.K. Singh, DDG (Extension), Dr. Chahal, ADG, were also present.

SEMINAR

- A seminar on 'How to improve Teaching and Learning' was organized at College of Agriculture,



Ganjbasoda on November 2, 2017.

- Department of Extension Education, College of Agriculture, Tikamgarh organized one day seminar on 'How to improve Teaching and learning' on October 28, 2017. Seminar was chaired by Dr. B.L. Sharma, Dean. Students of B.Sc. (Ag.) and M.Sc. (Ag.) were actively participated in the seminar. Powerpoint presentations were given by the teachers and UG and PG students .

AWARDS / HONOURS / RECOGNITION



- **Dr. Sunil Bhaskar Rao Nahatkar**, Associate Director of Research Services and Nodal Officer Business Planning Development Unit has been conferred with 'Krishi Bhushan Award' by the Asian Consortium of Farmers Producer Company (ACFPCL) and Integrated Socio-Economic Services (ISED), during National Agri-Business Summit 2017 organized during 9-10 December 2017 at State Institute of Agriculture Extension and Training (SIAET), Bhopal for his contribution for promotion of Agri-Business, Development of Agri-Entrepreneurship and Human Resource for generation of employment among rural youths.

- **Dr. P.K. Jaga**, College of Agriculture, Ganjbasoda received Outstanding Scientist Award-2017; **Dr. Yogesh Patel** received Young Scientist Award-2017 and **Dr. Vinod Kumar Garg** received Best Poster Presentation Award by GVK Society, Agra during National Seminar on Managing Soil Health for Sustainable and Nutritional Food Production held at JNKVV, Jabalpur during October 25-29, 2017.

- **Shri O.P.S. Raghuwanshi**, College of Agriculture, Ganjbasoda received 'Mahima Young Scientist Award-2017' in the field of Agronomy during International conference on Agricultural, Allied Sciences and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security (ICAASBSANFS), Institute of Science, BHU, Varanasi during November 25-26, 2017.

- **Dr. J.P. Lakhani**, Associate Professor, Plant Breeding & Genetics, College of Agriculture, Ganjbasoda received Outstanding Achievement Award; **Dr. Rajmohan Sharma**, Assistant Professor & **Dr. J.P. Lakhani**, Associate Professor received Best Poster Presentation Award; **Dr. S.R.S. Raghuwanshi**, Associate Professor (Soil Science) received Excellence in Extension Award; **Dr. P.K. Mishra**, Associate Professor, Agronomy received Excellence in teaching Award; **Dr. Ashish Shrivastava**, Assistant Professor, Plant Pathology received Excellence; **Dr. Yogesh Patel**, Assistant Professor, Entomology received Young Scientist Award; **Dr. Priya Awasthi**, Assistant Professor, Horticulture received Young Scientist Award; **Dr. Mujahida Syyed**, Assistant Professor, Statistics received Young Scientist Award in teaching Award during International Conference on Global Research Initiatives for sustainable Agriculture and allied Sciences (GRISAAS 2017), December 2-4, 2017 at MPUAT, Udaipur, Rajasthan.

- **Shri Rahul Dongre**, Scientist, Department of Forestry, Jabalpur received Young Scientist Award and **Dr. Yogendra Singh**, Scientist (Bio-Technology), Seed Technology Unit, JNKVV, Jabalpur received "Scientist of The Year Award-2017" during International Conference on "Advances in Agricultural and Biodiversity Conservation for Sustainable Development" organized on October 27-28, 2017 by Agricultural Technology Development Society (ATDS), Ghaziabad, UP Co-organized by Department of Horticulture, CCS University, Meerut, UP.



- **Dr. S.P. Singh**, Assistant Professor, College of Agriculture, Tikamgarh confers Excellence in Teaching Award for his outstanding contribution in the field of extension education on the occasion of International Conference during December 2-4, 2017 held at MPUAT, Udaipur, Rajasthan.

- **Dr. Ompal Singh**, Guest Faculty, Department of Plant Physiology, Jabalpur conferred Excellence in Research Award, 2017 and **Mr. Devendra Vasht**, Ph.D. Scholar conferred with Young Scientist Award, 2017 during National Conference on Doubling Farmers Income for Sustainable and Harmonious Agriculture DISA-2017, September 9-10, 2017 at Thorrur, Warangal, Telangana.

- **Dr. Gyanendra Tiwari**, Associate Professor, Department of Plant Physiology, Jabalpur conferred with Excellence in Research Award; **Dr. Ompal Singh**, Guest Faculty conferred with Best Thesis Award for Ph.D., 2017; **Mr. Devendra Vasht**, Ph.D. Scholar conferred with the Best M.Sc. Thesis Award 2017; and **Ms. Zubey Gohar Ansari**, Ph.D. Scholar conferred with the Scientist Associate Award, 2017 during International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017) at Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan during Dec. 2-4, 2017.



- **Dr. S.K. Khare**, College of Agriculture, Tikamgarh received Young Scientist Award and Best Paper Presentation Award and **Dr. S.K. Singh** received Best Paper Presentation Award during International Conference on recent Advances in Agriculture and Horticulture Sciences, New Delhi on Dec. 16-17, 2017.

- **Dr. Prashant Shrivastava**, Assistant Professor (Agriculture Extension) received Excellence in Teaching Award 2017 by Agricultural Technology Development Society (ATDS) Ghaziabad (U.P.) in the International Conference on "Advances in Agricultural and Biodiversity Conservation for Sustainable Development (ABCD-2017) at Meerut UP during October 27-28, 2017.

- **Dr. Risikesh Thakur**, Assistant Professor (Soil Science) College of Agriculture, Balaghat, received the GKV Young Scientist Award 2017 by GKV Society, Agra at National Conference on "Managing Soil Health for

Sustainable and Nutritional Food Production" held at Department of Soil Science, JNKVV Jabalpur during October 28-29, 2017.

- **Dr. Shailendra Bhalawe**, Assistant Professor (Agroforestry) College of Agriculture, Balaghat, received the GRISAAS Young Scientist Award 2017 by GRISAAS Astha Foundation at International Conference on "Global Research Initiatives for Sustainable Agriculture & Allied Science" held at MPUAT, Udaipur, Rajasthan during Dec. 2-4, 2017.



- **Dr. Seema Naberia**, Assistant Professor, Department of Extension Education, College of Agriculture, JNKVV, Jabalpur received the Young Scientist Award by Indian Society of Extension Education in the ISEE, National Seminar 2017 on "Doubling Farmers' Income and Farm Production through Skill Development and Technology Application" held at Bihar Agriculture University, Sabour, Bhagalpur (Bihar) during November 28-30, 2017.

PUBLICATION

- Yogranjan, Bal, L.M., Satpute, G.K. & Srivastava, A.K. (2017). Plant stress signaling through corresponding nano-biotechnology, Chapter 19, Pp 381-391. In: A.E. Oprea and A.M. Grumezescu (eds.), Nanotechnology Applications in Food: Flavor, Stability, Nutrition and Safety. Academic Press (Elsevier), London, United Kingdom.

- Dr. P.K. Tyagi published a book entitled 'Rapseed and Mustard: Breeding objectives of Rapseed and Mustard', Publisher - Lambert Academic Publishing, Germany. ISBN: 978-3-659-91833-9.

- Book Edited: 'World Agriculture and Environment' by Dr. Diwakar M.S. and Dr. Anil Mishra published by GJMS Publication ISBN: 978-93-85304-80-4.

- KVK, Tikamgarh published a pamphlet "Success Story on Pulses (Kharif 2017)".

.ACCREDITATION

- Department of Forestry has been accredited with 'A' grade by Indian Council of Forest Research and Education Institute (ICFII).

STUDENTS ACTIVITIES



- Jagrati Tiwari, student of M.Tech. Department of Soil & Water Engineering is selected for Ph.D. degree programme in Department of Civil Engineering, Griffith University, Brisban, Australia. She was selected on the basis of her M.Tech. research work under the guidance of Dr. Shailesh Kumar Sharma.
- Eighteen students were selected in different IIT and NIT of the county through GATE (Graduate Aptitude Test in Engineering) by securing third (Vinay Chourasia) All India Ranking (AIR) and five students were under 50 AIR.
- In different nationalized banks, 11 students were selected as Agriculture Officer.
- At College of Agricultural Engineering, Jabalpur, Debate and poster competition was conducted at college level and selected students were sent to the university level for golden jubilee celebration of university (3rd October - Debate Competition and 6th October - Poster Competition). Mr. Aman Yadav was awarded with 1st prize in Debate Competition.
- Mr. Karan Chhabra, student of College of Agricultural Engineering received ICAR-JRF Fellowship (26-AIR) and admitted in M.Sc. (Agrometeorology), CSSHAU, Hissar.
- Ms. Mamta Vyas, B.Sc. (Ag.), 4th Yr, College of Agriculture, Tikamgarh 2nd Topper (merit scholarship holder, JNKVV).
- Ms. Sakshi Seth, B.Sc. (Ag.), 1st Yr, College of Agriculture, Tikamgarh Topper (merit scholarship holder, JNKVV).
- Ms. Zubi Gohar Ansari, Department of Plant

Physiology, Jabalpur has been awarded with the prestigious scholarship from Environmental Planning and Co-ordination Organization (EPCO), Bhopal for conducting Ph.D. research work.

- Shri Devendra Vasht, Department of Plant Physiology, Jabalpur has been conferred with the INSPIRE Scholarship from Department of Science and Technology, GOI, New Delhi for perusing Ph.D. research work during 2017-18.



- **RAWE & AIA (2017-18):** The Rural Agricultural Work Experience (RAWE) helps the students primarily to understand the rural situations, status of Agricultural technologies adopted by farmers, prioritize the farmer's problems and to develop skills & attitude of working with farm families for overall development in rural area. The RAWE & AIA is coordinated and harmonized by Dr. Nalin K. Khare, Vishwa Vidyalaya Coordinator (RAWE), Department of Extension Education, JNKVV, Jabalpur. Under Agriculture Industrial Attachment, the students were attached for three weeks with the agro-industries of the pertaining districts to get an experience of the industrial environment and working. Total 374 students of the university were placed in the village under Student Ready Programme 2017-18. Detail of the students: College of Agriculture, Jabalpur (123); College of Agriculture, Rewa (69); College of Agriculture, Tikamgarh (67); College of Agriculture, Ganjbasoda (51); College of Agriculture, Waraseoni (31) and Department of Forestry (33).
- **National Service Scheme:** December 1, 2017 'World AIDS Day' was organized under NSS Programme at College of Agriculture, Rewa. Dr. S.K. Pandey, Dean was Chief Guest and Dr. Santosh Singh, Asstt. Prof., Sanjay Gandhi Medical College, Rewa was the Special Guest. About 50 N.S.S. students were participated.

- **Agriculture Education Day:** Agriculture Education Day programme was organized on December 3, 2017 at College of Agriculture, Rewa. Dr. S.K. Pandey Dean, graced the function as Chief Guest Dr. M.A. Alam, Dr. S.K. Tripathi, Dr. Akhilesh Kumar, Dr. A.K. Jain with more than 100 students participated in the programme. Lectures delivered by professors and discussed on importance of agriculture education, scope of agriculture education to the agriculture graduates.

- **Red Ribbon Club Programme:** Red Ribbon Club programme was organized on December 26-27, 2017 at College of Agriculture, Rewa. Dr. S.K. Pandey, Dean was Chief Guest and Dr. B.L. Mishra, Chief Medical Officer, District Hospital was the Special Guest. Officers of N.S.S. from different colleges and peer group of students participated in the programme. The special lectures delivered by Dr. B.L. Mishra on Blood Donation and HIV Aids. Dr. A.S. Chauhan organized the programme.

SPORTS ACTIVITIES

- **Intercollegiate Sports & Games:** College of Agriculture, JNKVV, Jabalpur organised Inter Collegiate Sports & Games Tournament at Jawahar Stadium from December 21-22, 2017, in which all seven Colleges participated with about 350 Players (Girls and boys). Dr. P.K. Bisen, Hon'ble Vice Chancellor, JNKVV, Jabalpur inaugurated the program in the presence of Dr. P.K. Mishra, Dean Faculty of Agriculture, Dr. D. Khare, Director Instruction and Director Research Services, Dr. Om Gupta, Dean College of Agriculture, Jabalpur, Dr. V.K. Pyasi Dean Student Welfare, Dr. R.K. Nema, Dean College of Agricultural Engineering, Head of the Departments, Faculty and students. Dr. Om Gupta, Dean, College of Agriculture, Jabalpur gave the welcome address. Under athletics, 10 events were included 100 M, 200 M, 400 M, 800 M, 1500 M, Relay



race, Javeling throw, Discuss throw, Shot put throw and Kabaddi, Kho-Kho, Volley ball, Badminton, Table Tennis in group events were played. Kabaddi, Kho-Kho won by College of Agriculture Jabalpur, Volleyball won by College of Agriculture Engineering, Badminton, Table Tennis, men and women won by College of Agriculture



Jabalpur. Best Athlete women won jointly by Alpana Kumhre & Bhagyashree Oshle. Overall Championship Award was won by College of Agriculture, Jabalpur.

- **Vidhayak Cup Kabaddi Tournament:** The Prestigious 'Vidhayak Cup Kabaddi Tournament' was sponsored by Govt. of M.P. and organized by SAI, Center, Tikamgarh. College of Agriculture, Tikamgarh Team won the tournament.

