



Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar-848125

August, 2020

Volume 1, Number 2

Vice-Chancellor's Message

It gives me the immense pleasure to share the information that RPCAU has got 10th position in overall ranking among General Universities (Government) by India Today-MDRA survey for the year 2019. It is the only University from Bihar to be ranked in top-10 in last one decade. I would like to congratulate and thank each and every employee and student of the university for their dedicated and sincere effort without which it would have not been possible to achieve such milestone. Further, faculty members also deserve rich appreciation for conducting the final semester examination in online mode smoothly under lockdown situation caused by COVID-19 pandemic. The state of Bihar has been rain surplus this monsoon season- a rare occurrence in the last decade, but I hope, we will perform well in the present Kharif season also. I also appreciate continued effort of flood management team as well as warriors of COVID-19 in preventing devastating situation in university campus.



TOP 10 INDIA TODAY INDIA'S BEST COLLEGES 2020	
GENERAL UNIVERSITIES (GOVERNMENT)	
1	JAWAHARLAL NEHRU UNIVERSITY, New Delhi
2	UNIVERSITY OF HYDERABAD, Hyderabad
3	ALIGARH MUSLIM UNIVERSITY, Aligarh
4	OSMANIA UNIVERSITY, Hyderabad
5	UNIVERSITY OF CALCUTTA, Kolkata
6	MAHATMA GANDHI UNIVERSITY, Kottayam
7	COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY, Kochi
8	JAMIA MILLIA ISLAMIA, New Delhi
9	TATA INSTITUTE OF SOCIAL SCIENCES, Mumbai
10	DR RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, Samastipur, Bihar

Vice-Chancellor's engagements:

- Contributed in video conferencing meeting of State Level Approval Committee of PMKYS under chairmanship of Chief Secretary, Government of Bihar.
- Attended video conferencing on the Scheme National Bee Keeping and Honey Mission chaired by Additional Secretary (Hort.), DAC & FW, Govt. of India. Sri Abhilaksh Likhi.
- Inaugurated agreement signing ceremony between Centre of Start-up Facilitation, RPCAU, Pusa & Agventure Organic Farm Pvt. Ltd.
- Made Presentation in Review Meeting of Central Agricultural Universities through video link.
- Attended 92nd Foundation Day and the Award Ceremony of the ICAR through Video conferencing
- Attended Demo programme of Learning Management System under Digital India Programme of GOI (e-governance)
- Addressed 3rd Annual Zonal Workshop of KVKs 2020 through Video Conferencing
- Delivered Key Note Lecture in the Webinar on "Achieving Land Degradation Neutrality (LDN) organized IASWC, Dehradun.
- Delivered lecture in National Webinar on Population Pressure on Natural Resources and Environment organized by ANRCM to celebrate the UN World Population Day 2020.
- Joined virtual Meeting regarding points emerging from the discussion between Hon'ble Prime Minister and Mr. Bill Gates to develop ICAR proposal for consideration of B&MGF.



- Attended AICRP on IWM meeting and addressed the group.
- Contributed in special Virtual Knowledge sharing Session on the theme “Challenges in Science Education and Research in the COVID-19 Scenario” Organized by UN Global Compact Network India (UNGCNI) in association with Somaiya Institute for Research and Consultancy, Somaiya Vidya Vihar University.
- Participated in discussion with young entrepreneur from Singapore regarding consultancy services from University.

Education:

RPCAU has continued to use internet-based applications for conducting regular events of the winter semester of all the degree programs. The faculty members held weekly lectures and special doubt-clearance sessions through web-conferencing and WhatsApp messenger. In addition to the regular assignments, some faculty members encouraged the creativity of the students through special tasks, such as preparation of video assignments and models.

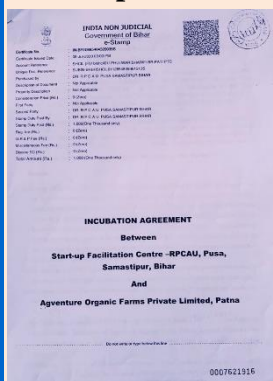
The term-end examinations of various bachelor’s, master’s and Ph.D. degree program were also conducted successfully by using online means. Seminars for the defense of dissertation and research proposals are also under progress. The students have appreciated the efforts of the faculty members in supporting their education during the COVID outbreak, and one such message of gratitude sent by the students of the B.Sc. (Agri.) program to the Vice-Chancellor read, *“Respected Professors, On behalf of students of 6th sem., we, their class representatives – Sunil Dawar and Anisha Kumari, are here to thank you for your great co-operation during the COVID-19 pandemic... Thank you for your great mental, social and spiritual support and guidance. Without you, we would not have borne the burden of this pandemic and completed our 6th semester in such a better way. Hope to meet you soon. Always keep your blessings with us.”*



Terrarium prepared by one of the students of the B.Sc. (Horticulture) as a part of their assignment for the ornamental horticulture course.

RESEARCH

Commercialisation of technologies through the Center for Start-up Facilitation



Center for Start-up Facilitation was inaugurated by Shri Giriraj Singh ji the Minister of Animal Husbandry, Dairying and Fisheries during the Kissan Mela, 2020. Incubation agreement between Center for Start-up Facilitation, RPCAU, Pusa and the Agventure Organic Farms Private Limited, Patna was signed on July 09, 2020, for the commercialization of products viz., honey, mushroom products, jaggery and herbal gual. This is a giant leap of the university from ‘Research and innovation’ to the present need for entrepreneurship.



Demonstrations under Climate Resilient and Climate Smart Agriculture Programs

Under Climate Resilient Agriculture Program, demonstrations on Direct Seeded Rice were conducted in Sukhet, Bisaul and Machhdi villages of Madhubani (218 acres) and Ranko, Chatar and Bachchauta villages of Khagaria (218 acres). High yielding rice variety ‘Rajendra Mahsuri’ was transplanted in 302 acres area following green manuring. Demonstration on sowing of soybean through dibbling was taken up. Under the Climate Smart Agriculture Program, demonstration on Direct Seeded Rice was conducted in 25 villages on Samastipur-Darbhanga State Highway (around 950 acres). Water saving irrigation techniques are being adopted through alternate-wetting-and-drying in 203 acres and nitrogen saving



recommendation are being made in 267 acres taking both the projects together. Demonstration on ‘Enhancing productivity of rice-wheat cropping system through assured irrigation’ has been conducted in 17 KVKs (255 acres). For assured irrigation, tube wells with submersible pump of 3hp single phase motor has been installed in each location. The university is targeting a suitable contingency plan of taking vegetable crops to cope up the gap in the cropping season without delaying the wheat sowing beyond 15th November.

Resource Generation from the sale of Turmeric Seed

In centrally sponsored scheme on Spices Development operated at TCA, Dholi turmeric seed of 462.90 quintal costing of Rs. 13.887 lakh was sold to the progressive farmers of Bihar, Thane (Maharashtra), Bilaspur (Chattisgarh) and Ludhiana (Punjab).



Flood in the Budhi Gandak River



The South-West monsoon rainfall in the Northern Bihar and hilly tracts of Nepal has caused a flood situation in the Budhi Gandak River. All the research and demonstration fields of the Dhab Area Development Project, Permaculture and Bamboo plantation projects have been submerged. The organization hopes that, soon the situation will be normalized and the fields can be recovered.



Evaluation of *Volvariella volvacea* for yield potential under Bihar conditions

Evaluation of two different strains of *Volvariella volvacea* i.e., VV-11 and VV-12 was taken up under Bihar condition on bundle of paddy straw harvested by machine. The result inferred that both strains were found to be having a good yield 25-30 kg/100 kg straw

within 15-20 days. Now it is recommended for cultivation in Bihar from May to September.



Extension

Two Innovative RPCAU Farmers bagged Prestigious Jag Jeevan Ram Awards, 2019 by ICAR

Mr. Shiv Prasad Sahni of Bhagwanpur Hat under KVK Siwan and Dr. Ram Shankar Singh of Madwan under KVK Saraiya have been jointly awarded the prestigious Jag Jeevan Ram Innovative Farmer Award (Zonal) for the year 2019 by the Indian Council of Agricultural Research, New Delhi. This award was presented by Shri Narendra Singh Tomar, Honorable Union Minister for Agriculture and Farmers Welfare, Government of India on the eve of 92nd ICAR Foundation Day ceremony on 16th July, 2020.

Innovative technologies of RPCAU KVKs’ acknowledged by ICAR

In pursuit of innovative technologies applicable under COVID-19 pandemic, two technologies, “Agromet advisories helped farmers for safe harvesting during lock down period” by KVK Saraiya and “Grain Storage in godowns proved effective during lockdown” by KVK Piprakothi, have been acknowledged by the ICAR and found its place in recently published e-book entitled “*Innovative Agri-resolution during COVID-19*”.

Zonal Workshop of KVKs of Zone IV held through video conferencing

Zonal Workshop of KVKs of Zone IV was held through video conferencing from 20th to 21st July, 2020

in which all the KVKs of Zone IV presented their Annual progress reports for the year 2019-2020 and Annual action plans for the year 2020-2021.

Farmers' training and skill development programme under PM Gareeb Kalyan Rojgar Yojana

To fight the challenges emerging due to migrant labours, the KVKs of Dr. RPCAU Pusa conducted 20 skill development training programmes under PM Garib Kalyan Rojgar Abhiyaan (PMGKRA) launched recently by Government of India in which more than 670 labours including 77 women labours participated and got training on Goat farming, Mushroom Production, Vegetable production and nursery raising, Vermicompost production, poultry farming and fisheries. The programme has been initiated by Government of India in 116 districts of six states including Bihar, Uttar Pradesh, Madhya Pradesh, Rajasthan, Odisha and Jharkhand converging 12 different Ministries/Departments and covering 25 categories of activities.



FLDs/CFLDs/ OFTs by KVKs

Cluster Front Line Demonstration on pigeon pea, black gram and soybean has been conducted by different KVKs of Dr. RPCAU Pusa in about 100 ha under National Food Security Mission, Government of India. Likewise, demonstration on impact of Spinosad on brinjal in 5 ha, demonstration on fodder maize in 3 ha, performance of Kharif maize varieties in 50 ha and Kharif Onion in 1 ha were conducted. Apart from these 10 demonstrations on bottle gourd and 50 demonstrations on Fly trap were also conducted by the KVKs. For assessing and fine tuning of the existing agricultural technologies, 10 On Farm Trials were also conducted in farmer's field during Kharif 2020.



Publications of Books/Extension literatures by KVKs

Two books entitled "Jaivik Kheti" & "Sukshma Sichayi Padhati" written by Scientists of KVK, Saraiya and one extension literature, "Scientific cultivation of Gladiolus" by KVK Birauli were released by Dr. Prem Kumar, Honourable Agriculture Minister, Government of Bihar during virtual Zonal Workshop of Zone-IV on 20th July 2020.

Training by Advance Research Centre on Mushroom, RPCAU, Pusa

Training programme on mushroom production for migrant labours was conducted on 11.07.2020 at Mordeeba, Vishanpur, Samastipur by Advance Research Centre on Mushroom in which 27 migrant labours participated. Training on mushroom production under Tribal Sub-plan was conducted from 16.07.2020 to 18.07.2020 in which 30 farmers of Chak Abdul Gani of Samastipur district participated. Also, "Agri-Entrepreneurship Development through Mushroom Cultivation" was conducted on 07.07.2020 in which 40 farmers from BAU Sabour participated. For smooth marketing of mushroom products, one training on "Marketing Strategies of Different Mushroom" was conducted in which 30 mushroom growers from UP, Bihar, Rajasthan, MP and Jharkhand participated. One shop exclusively meant for selling of mushroom and its products has been initiated in Muzaffarpur under the technical guidance of Dr. RPCAU Pusa.

Other Activities

- Hon'ble Vice-Chancellor Inaugurated the newly established "University Publication Division" at RPCAU, Pusa.
- Dr. Sudhanand Prasad Lal has won 'first best oral presentation award' at National Webinar on "Motivation of Youths towards Agri-entrepreneurship and Innovative Farming" 4-5 July, 2020 at Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur.



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Published by: *Publication Division, RPCAU, Pusa.*