

**Directorate of Research**  
**Dr. Rajendra Prasad Central Agricultural University**  
**Pusa, Samastipur-848 125**

No. 600 /DoR/ RPCAU, Pusa

dated, the 09-10-2020

From,

Director Research

To,

All Deans/Directors  
ADRs/Project Directors/Head of Departments  
PI of AICRP and other projects

Sub.: Guidelines for participation in 9<sup>th</sup> Research Council Meeting Rabi from 12<sup>th</sup>-15<sup>th</sup> Oct., 2020.

Sir,

The 9<sup>th</sup> Research Council Meeting Rabi, 2020 is scheduled from 12<sup>th</sup>-15<sup>th</sup> Oct., 2020 in the Sarswati Garden for collegewise presentation of research activities under the Chairmanship of Hon'ble Vice-Chancellor.

You are invited to participate in this meeting, keeping in view the Social distancing norms during COVID 19; it has been decided to stagger the attendance of various categories of faculty members during this meeting without hampering deliberations on research activities of this University. Accordingly, collegewise presentation of research programmes from 12<sup>th</sup> 15<sup>th</sup> October, 2020 has been planned.

It has been decided that all Deans/Directors/ADR/PDs will first give a brief presentation of the research activities going on the college followed by the presentation by concerned PIs of Research Projects as per schedule. All senior faculty members (upto Associate Professor) of that college will be present in the meeting for all four days. However, the participation of scientists/ PIs will be restricted to only those during presentation of their programme as per schedule circulated separately. Therefore, you are kindly requested to direct the concerned scientists/faculty members for participation in the meeting as per above norms. The presentation of Varieties Release and all AICRP research programme has been scheduled on 14<sup>th</sup> June, 2020.

Yours faithfully,

*M. K. Singh*  
9/10/2020  
Director Research

Memo No. 600 /DoR/RPCA, Pusa

dated 09-10-2020

Copy forwarded to all Deans/Directors/Assoc. Director Research-I / Assoc. Director Research-II/Heads/Project Directors of different research centers/PIs of AICRP and University funded projects/Professor/Assoc. Prof./Asstt. Prof./O/I, APRI, Pusa, RRS, Madhopur/ RRS, Jhanjharpur/ RRS, Biraul/BRS, Goraul for information and necessary action.

*M. K. Singh*  
9/10/2020  
Director Research

c.c. to Secretary to VC for kind information to the Hon'ble Vice-Chancellor.

c.c. Officer-in-Charge, ARIS Cell for display on University website and Notice Board.



**RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA**  
**PROGRAMME FOR 9<sup>TH</sup> RESEARCH COUNCIL MEETING, RABI-2020**

**DATED : 12.10.2020 (MONDAY)**

<b>A.</b>	<b>INAUGURAL SESSION</b>	<b>05:30 P.M. – 06:30 P.M.</b>
	Felicitation of dignitaries	
	Welcome address	Dr. Mithilesh Kumar, Director Research
	Release of Books/ Bulletins	Vice-Chancellor
	Chairman Address	Dr. R.C. Srivastava, Vice-Chancellor
<b>Agenda-1</b>	Confirmation of proceedings of 7 <sup>th</sup> Research Council Meeting Rabi -2019	Dr. Mithilesh Kumar
<b>Agenda-2</b>	Action Taken Report of proceedings of 7 <sup>th</sup> Research Council Meeting Rabi-2019	Dr. Mithilesh Kumar
	<b>TECHNICAL SESSION- I</b>	<b>06:30 P.M. – 08:00 P.M.</b>
<b>Agenda-3</b>	<b>PRESENTATION ON SALIENT ACHIEVEMENTS AND EMERGING CHALLENGES OF RESEARCH OF ALL FACULTIES</b>	
<b>A</b>	Faculty of Agriculture	Dr. K.M. Singh, Dean
<b>B</b>	College of Agricultural Engineering	Dr. Ambrish Kumar, Dean,
<b>C</b>	College of Basic Sciences & Humanities	Dr. S. Roy Chowdhury, Dean
<b>D</b>	College of Community Science	Dr. Meera Singh, Dean
<b>E</b>	Tirhut College of Agriculture	Dr. Ashok Kr. Singh, Dean
<b>F</b>	College of Fisheries	Dr. S. C. Rai, Dean
<b>G</b>	College of Horticulture & Forestry	Dr. Krishna Kumar, Dean
<b>H</b>	Sugarcane Research Institute	Dr. Anil Kumar Singh, Director, SRI
<b>Agenda-4</b>	<b>Presentation on Univ. Funded Research Projects/Externally Funded Projects /Other Projects of all Faculties</b>	
	<b>TIME</b>	<b>08:00 P.M. – 09:00 P.M.</b>
1.	Development of Pedotransfer functions (PTF) to characterize soil physical quality indicators for different soil and crop management practices.	Sri Vikas Kumar Rai
2.	Assessment of papaya and cauliflower genotype of Muzaffarpur – Samastipur region, Bihar, for postharvest quality and processing attribute	Dr. K. Prasad
3.	Extraction of Fiber from Banana Plant and Analysis of their Properties for Utilization	Dr. Gayatri,
4.	Impact of organic farming on soil carbon sequestration, soil health and sugarcane productivity in calcareous soil of Bihar	Dr. S.K. Thakur
5.	High intensity intercropping systems in sugarcane with hybrid pressurize irrigation	Sri Navnit Kumar
6.	Boron fertilization influencing yield and quality of sugarcane plant- ratoon system in calcareous soils of Bihar.	Dr. C. K .Jha
7.	Soil Health assessment in different Agroforestry Systems under Calcareous Soil	Dr. Ranjan Laik
8.	Exogenous application of plant growth regulator and antioxidants to improve the terminal heat tolerance of wheat cultivars grown in Bihar	Dr. Shailesh Kumar



9.	Assessing phytochemical composition of pummelo, an underutilized fruit crop and its suitability for making value-added products	Dr. Hemlata Singh
10.	Development of Dhab Area for Enhancing Livelihood through Agricultural Interventions	Dr. P. P. Singh
	<b>Rapporteurs:</b>	<b>Dr. S.P. Lal Dr. Ravish Chandra</b>
<b>DATED : 13.10.2020 (TUESDAY)</b>		
	<b>TECHNICAL SESSION- II</b>	<b>05:30 P.M. – 09:00 P.M.</b>
11.	Isolation and Identification of Potential Phytochemicals from native botanicals for Inhibition of Plant Pathogens causing major diseases of important crops in Bihar	Dr. (Mrs.) Bimla Rai
12.	Enhancing Nutritional Security through Maize – Pulse based Intercropping System and Natural Resource Management.	Dr. Mrituanjay Kumar
13.	Evaluation of <i>Moringa oleifera</i> Lam for green fodder production in Bihar.	Dr. Soibam Lanabir Singh
14.	Structural Transformation, Regional Disparity and Institutional Reforms in Agriculture	Dr. D.K. Sinha
15.	Introduction to Permaculture in Dhab Area for Sustainable Livelihood	Dr. R. K. Meena
16.	Effect of bio-regulators on growth, yield, and quality of different photoperiodic cultivars of strawberry in Bihar.	Mrs. Jyostnarani Pradhan
17.	Development of low cost storage facility for bulk storage of fruits and vegetables	Dr. Vishal Kumar
18.	Dissipation and persistence of different pesticides in Brinjal, Okra and Tomato.	Dr. S.K. Sahoo
19.	Design and development of double row manual vegetable Transplanter for small land holds	Er. Jaya Sinha
20.	Development of real time soil Nitrogen, Phosphorus and Potash (NPK) sensor	Dr. S.K. Patel
21.	Exploration/Upliftment of livelihood through mechanized processing of bamboo for rural entrepreneurship in Bihar	Dr. M. Shrivastava
22.	Standardization and demonstration of vegetable cultivation in riverbed with solar based boat operated gravitational drip irrigation system	Dr. Udit Kumar
23.	Collection, characterization and evaluation of indigenous papaya germplasms	Dr. Asish Kumar Panda
24.	Evaluation of bamboo plantations in riverside (dhab) land for improved production, processing & utilization for better livelihood of Bihar farmers	Dr. D. K. Das
25.	Domestication and Induced Breeding of Indian Spiny Eel/ Gaincha, <i>Mastacembelus aculeatus</i>	Dr. Shivendra Kumar
26.	Validation of grow out techniques and seed production of Amur carp, <i>Cyprinus carpio haematopterus</i> in the ponds of North Bihar, India	Dr. Adita Sharma
27.	Development of vitamin-mineral mixture for inclusion in aquaculture diets	Dr. Ankur Jamwal



28.	Investigation on fish health and diseases in freshwater aquaculture farms in North Bihar	Dr. Mogalekar H.S
29.	Faunal Diversity and Standardization of Breeding Techniques of selected Ornamental Fish species, North-Bihar, India	Sri Roshan Kumar Ram.
30.	Preparation of fish cookies from the locally available fish species in Bihar	Dr. Tanushri Ghorai
31.	Weaning strategies with different live feed on growth and survival of <i>Clarias magur</i> larvae	Dr. Pravesh Kumar
32.	Effect of supplementing earthworm ( <i>Eisenia fetida</i> ) on egg laying performance in Vanaraja chicken.	Dr. Shankar Jha
33.	Prevalence of Gastrointestinal Parasites in Goats in Samastipur district of Bihar	Dr. P.K. Ram
34.	Nutritional and reproductive health management to control infertility in cattle and to increase milk production	Dr. R.K. Asthana
35.	Assessment of polyhalite-a multinutrient fertilizer on soil fertility and productivity of rice-wheat cropping system in north-west alluvial plain of Bihar	Dr. S. P. Singh
36.	Management of acute malnutrition through food based approach	Dr Usha Singh
37.	Comprehensive Program of Health and Nutrition for Community Care of Severely Acute Malnourished children	Dr Usha Singh
38.	Promotion of home based nutritional therapy and care – process to combat severe acute malnutrition in children under 5 years of age at Sitamarhi	Dr Usha Singh
39.	Precision Framing Development Centre (PFDC)	Sri Sanjay Kumar Nirala
40.	Establishment of Regional Centre of Excellence for Indigenous Breeds (CoEIB) at Piprakothi, East Champaran	Dr. Pramod Kumar
41.	Development of heat tolerant, high yielding and climate resilient wheat cultivars by utilizing genomics, molecular and physiological information and resources.	Dr. Rajeev Kumar
42.	Establishment of Indigenous Cattle Conservation and Improvement Centre at Madhopur, (West Champaran), Bihar	Dr. Rajeev Kr. Asthana
43.	Population dynamics of myceliophagous, predatory and saprophagous nematodes in button mushroom compost in Samastipur, Muzaffarpur, Darbhanga and Vaishali districts	Dr. Nishi Keshari
44.	Development of digital display of depth of operation on tractor's dashboard	Dr. P. K. Pranav
45.	<b>Presentation of New Univ. Funded Research Projects</b>	
a.	Situational analysis of reverse migrants during COVID-19 and their rehabilitation strategies	Dr. S.P. Lal
b.	Studies on potential uses of mushroom spent compost (MSC) on growth, yield, quality and nutrient balance in soil of Sugarcane ( <i>Saccharum officinarum</i> L.) in Bihar	Dr. Lalita Rana
c.	Long term Wastewater Irrigation Study on Growth, Biomass, Primary Productivity and water use by Plantations in Dhab land of Biha.	Dr. D.K.Das



d.	Developing Sugarcane based Integrated Farming System Models for Small Farm holders of North Central and North Eastern Zone.	Dr. A.K.Singh
e.	Mechanization of Turmeric crop through development of sowing & harvesting Implement.	Er. Manoranjan Kumar
f.	Impact of Sugar Mill effluent on water quality and biotic communities of Burhi Gandak River, North Bihar.	Dr. H.S. Mogalekar
g.	Developing climate resilient rice-wheat cropping system through enhancing heat and drought combination stress tolerance. & Development of Unique Field Based Plant Phenotyping Facility	Dr. Rajeev Nayan Bahuguna
h.	Economic Stability through Crop and Livestock Diversification in Flood Prone Areas of Bihar.	Tulika Kumari
i.	Enhancing productivity, economic Security & employment generation through Sugarcane based crop & product diversification for making a farmer self reliant	Dr. A.K.Singh
j.	Morpho-molecular evaluation for high yielding stress resilient wheat vis-à-vis agro-ecology of Bihar	Dr. Rajeev Kumar
	<b>Rapporteurs:</b>	<b>Dr. D.N. Kamat Dr. S.S. Prasad</b>

**DATED : 14.10.2020 (WEDNESDAY)**

	<b>TECHNICAL SESSION- III</b>	<b>05:30 P.M. – 09:00 P.M.</b>
<b>Agenda-7</b>	Proceedings of the Variety/Technology Pre-Release Committee meeting held on 23.09.2020 in the Conference Hall of DOR, RPCAU, Pusa	Dr. Mithilesh Kumar Director Research
	Proforma for Submission of Proposals for identification of Crop Variety Rajendra Pop Corn-1 (MPC-1-15)	Sri Ajay Kumar
	Proforma for Submission of Proposal for Identification of Crop Hybrid/Variety Baby Corn (MBC-11-15)	Sri Ajay Kumar
	Proforma For Submission of Proposals For Crop Variety (Garlic) To State Sub Committee on Crop Standards Notification and Release of Variety For Bihar State	Dr. Udit Kumar
	Proposal for release of Biofortified Wheat variety Rajendra Genhu- 4 for Bihar under irrigated & timely sown condition	Dr. Satish Kumar Singh
	Proforma for submission of proposal for release of crop variety to Central sub-committee on crop standards notification and release of varieties, Turmeric ( <i>Curcuma longa</i> L.)	A.K. Mishra
	Variety release proposal of private company (A) J.K. SEED Pvt. Ltd. (B) SABANNAH Seed Pvt. Ltd.	Representative of private seed company



<b>Agenda-5 Presentation on All India Coordinated Research Projects of:</b>		
1.	Boro Rice	Dr. B. Parmanick
2.	Maize	Dr. Ajay Kumar
3.	Rapeseed-Mustard & Linseed	Dr. Anil Pandey
4.	Chickpea	Dr. S.B. Mishra
5.	Mullarp	Dr. S.B. Mishra
6.	Wheat And Barley	Dr. Satish Kumar Singh
7.	Spices	Dr. A. K. Mishra
8.	Vegetable	Dr. Udit Kumar
9.	Potato	Sri Aman Tigga
10.	Honeybees	Dr. Nagendra Kumar
11.	Floriculture	Dr. A. K. Singh
12.	Forage	Dr. Nilanjaya
13.	Sugarcane	Dr. D. N. Kamat
14.	Nematodes	Dr. Nishi Keshari
15.	Agrometeorology	Dr. A. Sattar
16.	MNS	Dr. Santosh Kr. Singh
17.	STCR	Dr. Sanjay Kumar Singh
18.	Mushroom	Dr. Dayaram
19.	Farm Implements And Machinery	Dr. P. K. Pranav
20.	Irrigation Water Management	Dr. S.K. Jain
21.	NSP & BSP	Dr. Rajesh Kumar
22.	Women In Agriculture C.C.Sc.	Dr. Arunima Kumari
	<b>Rapporteurs:</b>	<b>Dr. Satish Kr. Singh Dr. Shivendra Kumar</b>
<b>DATED : 15.10.2020 (THURSDAY)</b>		
	<b>TECHNICAL SESSION-IV</b>	<b>05:30 P.M. – 09:00 P.M.</b>
	Presentation of externally funded Mega Projects CSA & CRAP	Dr. R.K. Jha
	<b>TECHNICAL SESSION-V</b>	<b>05:30 P.M. – 09:00 P.M.</b>
<b>Agenda-6</b>	Presentation of Proceedings of Zonal Research & Extension Advisory Committee (ZREAC) Meeting of Zone-I	Director Research
<b>Agenda-8</b>	Any other item with permission of the chair	
	Concluding remarks	Dr. R.C. Srivastava Vice-Chancellor & Chairman, DRPCAUI, Pusa
	Vote of thanks	Dr. N. K. Singh ADR
	<b>Rapporteurs:</b>	<b>Dr. Nilanjaya Dr. S.P. Singh</b>