

## Theme wise Concluded Research Projects 2021-22

Sl. No.	Project code	Project Title	Name of PI & Co-PI	Start year	Comp Year	Funding agency
<b>Theme- 2. Genetic Resource Management and Improvement of Field, Horticultural and Aquatic crops</b>						
<b>4.0 Varietal Development</b>						
4.1	ICAR-RCER/ RCM/ 2015/	Evaluation of different genotypes of water chestnut	B.R. Jana I.S. Singh Manoj Kumar	2015	2020 Extd20 21	ICAR RCER
4.2	--	Development of nutrient rich lines of pulse legumes for eastern India	A.K. Choudhary KirtiSaurabh	Sep. 2019	Aug. 2022	ICAR-RCER
<b>Theme- 3. Improved Production and Protection Technologies for Agri-Horti Crops</b>						
<b>5.0</b>	<b>Production Technologies</b>					
5.1	--	Creation of seed hubs for increasing indigenous production of pulses in India	A.K. Choudhary G. Makarana HariGovind (KVK, Buxar)	2016	2021	ICAR
5.2	ICAR-RCER/ DSEE/ 2018/	Performance evaluation of medicinal and aromatic plant in EIGP	T.K. Koley N. Raju Singh N.A. Gajbhiye (DMAPR, Anand)	July 2018	June 2021 Extd Mar 2022	ICAR-RCER
5.3	ICAR-RCER/ RCM/ 2019/	Response of nutrients on productivity of water chestnut and Indian lotus	I.S. Singh Manoj Kumar	Aug 2019	July 2022	ICAR-RCER
5.4	ICAR-RCER/	Effect of different intercultural practices on	B.R. Jana	Aug	July	ICAR-RCER

	RCM/ 2019/	biochemical constituents of makhana seed	Manoj Kumar	2019	2022	
5.5	--	Development of multitier mango orchard with shade loving spices and medicinal plants	N. Raju Singh T.K. Koley Ved Prakash	2021	2024	ICAR-RCER
<b>6.0</b>	<b>Protection Technologies</b>					
6.1	ICAR-RCER/ DCR/ 2018/ <b>217</b>	Development of native <i>Trichoderma</i> based bioformulations for management of soil-borne diseases	A.K. Dubey A.K. Choudhary	2018	2021 Extd 2022	ICAR-RCER
6.2	ICAR-RCER/ RC Ranchi/ 2018/ <b>198</b>	Seasonal incidence and evaluation of management strategies against insect- pests of cauliflower and chilli	J.S. Choudhary D.K. Raghav Md. Monobrullah Rakesh Kumar	2018	Dec 2021	ICAR-RCER
<b>Theme- 4. Integrated Land &amp; Water Management</b>						
<b>7.0 Land &amp; Water Management</b>						
7.1	ICAR-RCER/ RC Ranchi/ 2018/ <b>210</b>	Design, development & performance evaluation of solar powered agricultural equipment	S.S. Mali P.K. Sundaram J.S. Choudhary (Associate)	2018	2021 2022	ICAR-RCER
7.2	ICAR-RCER/ DLWM/ 2018/ <b>220</b>	Design and development of peripatetic fish vending cart with solar aerator	P.K. Sundaram Bikash Sarkar A. Rahman	July 2018	Dec 2021	ICAR-RCER
7.3	ICAR-RCER/ DLWM/ 2018/ <b>211</b>	Assessment of land use and land cover change for crop planning using remote sensing and GIS of East and West	Manibushan A. Raizada Anil K. Singh	2018	2021 Extd. 2022	ICAR-RCER

		Champaran district.				
7.4	ICAR-RCER/ DLWM/ 2018/219	Optimization of cropping pattern to maximize water productivity	A. Upadhyaya Akram Ahmed Anil K. Singh	Jan. 2019	June 2022	ICAR-RCER
7.5	ICAR-RCER/ DLWM/ 2018/218	Studies on irrigation water pricing and influencing factors	A. Upadhyaya PawanJeet	Jan. 2019	June 2022	ICAR-RCER
7.6	ICAR- RCER/DLWM / 2019/ 233	Standardization of fertigation schedule in high density guava under middle Gangetic plains	Akram Ahmed Shivani Ajay Kumar T.K. Koley	Oct 2019	Sep 2022	ICAR-RCER

### **Theme- 5. Livestock & Fisheries Management**

#### **8.0 Livestock and Avian Management**

8.1	ICAR-RCER/ DLFM/ 2018/203	Studies on development of method for early pregnancy diagnosis in buffalo	RajniKumari P.C. Chandran	2018	2022	ICAR RCER
8.2	--	Outreach programme on zoonotic diseases	P.K. Ray RajniKumari Jyoti Kumar Scientist from BASU, Patna	2018	2021	IVRI (Externally funded)
8.3	ICAR-RCER/ RC Ranchi/ 2019/240	Evaluation of different tree leaves as fodder for goats	A. Dey R.K.Kamal P.K. Sarkar	2019	2022	ICAR-RCER

#### **9.0 Fisheries Management**

9.1	--	National Surveillance Programme for Aquatic Animal Disease (NSPAAD)	Kamal Sarma T. Kumar P.K. Ray Jaspreet Singh	Nov. 2015	Dec. 2020 Extd. Dec. 2021	NFDB
9.2	ICAR-RCER/	Biofloc technology:	Jaspreet Singh	Sep	Aug	ICAR-RCER

	DLFM/ 2019/ <b>221</b>	Exploring production optimization and economic viability for the Eastern region	Tarkeshwar Kumar V. Bharti S.K. Ahirwal	2019	2022	
9.3	--	Assessment of fish diversity and production potential in lentic inland ecosystems of North Bihar	S.M. Raut I.S. Singh Ravi Kumar Jaspreet Singh	Aug 2019	July 2022	ICAR-RCER

### **Theme- 6. Socio-Economics, Extension and Policy Research**

<b>10.0</b>	<b>Socio-economic Research</b>					
10.1	ICAR-RCER/ DSEE/ 2017/ <b>190</b>	Socio-economic characterization of farmers in Bihar & Jharkhand	V. K. Yadav Pankaj Kumar Ujjwal Kumar R. C. Bharati R.K. Raman	2017	2022	ICAR RCER
10.2	ICAR-RCER/ DSEE/ 2018/ <b>207</b>	Transfer and adoption of improved agricultural technologies	Ujjwal Kumar D.K. Singh Sanjeev Kumar M.K. Dhakar J.S. Choudhary	2018	2022	ICAR RCER
10.3	ICAR-RCER/ DLWM/ EF/ 2018/ <b>41</b>	Evaluation of farm implements and tools for small land holders	Bikas Sarkar Ujjwal Kumar P.K. Sundaram S.S. Mali Ramkewal D.K. Raghav	2018	2020 Extd June 2021	ICAR RCER
10.4	ICAR-RCER/ DSEE/ 2018/216	Status of food and nutritional security of rural households in Eastern India	A. Mukherjee KumariShubha V.K. Yadav	Oct. 2018	Mar 2022	ICAR-RCER
10.5	--	Establishment of Biotech-KISAN Hub at ICAR RCER	Bikash Das PawanJeet S. Mondal A. Mukhrjee	July 2019	June 2021	DBT

			<p>N. Raju Singh  P.K. Ray  R.K. Kamal  J.S. Choudhary  A.K. Jha  A.K. Dubey  D.K. Raghav, KVK  Ramgarh  Indrajeet, KVK  Ramgarh  D. Kherwar, KVK  Ramgarh  R.K. Singh, KVK,  Hazaribagh  S.K. Singh, KVK,  Hazaribagh  S.L. Yadav, KVK,  Hazaribagh  Ajit K. Singh, KVK,  Ranchi  A. Mahto, KVK,  Ranchi</p>			
10.6	--	<p>DBT Biotech KISAN project on Improvement of livelihood through establishment of value chain of horticultural crops in seven Aspirational districts of Jharkhand and Bihar</p>	<p>Bikash Das  A.K. Singh  Bikas Sarkar  PawanJeet  A. Mukherjee  J.S. Choudhary  A.K. Jha  Kaushalendra  D.K. Raghav</p>	2020	2022	DBT