

### Ongoing Institute Research Projects

S. No.	Institute code	Project Title	Principal Investigator	Co-Principal Investigator	Duration
1	IIMR/CI/2015-18/68	Induction of mutations for sorghum improvement	Balakrishna, D	B Venkatesh Bhat & K Srinivasa Babu	2015-2018
2	IIMR/CI/2015-18/67	Genetic improvement of kharif sorghum genotypes for higher yield and better grain storability	Sujay Rakshit	C Aruna, CV Ratnavathi & PG Padmaja	2015-2018
3	DSR/AS/2012-15/53	Over expression of genes involved in ascorbate-glutathione cycle to enhance the abiotic stress tolerance in transgenic sorghum plants	Balakrishna, D	B Venkatesh Bhat & HS Talwar	2012-2017
4	DSR/SS/2012-17/61	Seed science approaches for enhanced seed setting & longevity in sorghum	Kannababu, N	IK Das & R Madhusudhana	2012-2017
5	IIMR/SS/2015-20/87	Studies on flowering behaviour, seed setting and maturity pattern and seed quality enhancement in small millets	Kannababu, N	SS Rao, KBRS Visarada & CV Ratnavathi	2015-2020
6	IIMR/BS/2015-18/82	Insect pest complex of pearl millet and their management	Shyamprasad, G	K Srinivasa Babu & P Sanjana reddy	2015-2018
7	IIMR/BS/2015-18/83	Identification of genes in finger millet ( <i>Eleusine coracana</i> ) for blast fungus ( <i>Magnaporthe grisea</i> ) resistance	Jinu Jacob	IK Das & D Balakrishna	2015-2018
8	IIMR/BS/2015-20/84	Biological intricacies in host-parasitic interaction between millets and shoot fly species	Padmaja, PG	A Kalaisekar & CV Ratnavathi	2015-2020
9	IIMR/SS/2015-19/88	Designing polymer based seed protection and irradiation based seed viability enhancement technique for millets	Padmaja, PG		2015-2019
10	IIMR/BS/2015-18/85	Systematics of immature stages of shoot fly species associated with millets in India	Kalaisekar, A		2015-2018
11	IIMR/BS/2015-20/86	Etiology, epidemiology and management of important diseases of rabi sorghum with emphasis on root and stalk rots	Sharma, KK	Parashuram Patroti	2015-2020
12	IIMR/CI/2015-20/76	Development of multi-genotype varieties (MAGIC lines) for genetic diversification and enhancing yield stability in Rabi sorghum.	Parashuram Patroti	MY Samdur & KK Sharma	2015-2020
13	IIMR/CP/2015-19/79	Farmers' Perceptions of Millets Production Constraints, Varietal Preferences and their management	Ch Shashidhar Reddy	B Subbaruyudu	2015-2019

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14	DSR/CI/ 2012-17/40	Development of single-cut forage genotypes with improved forage yield and quality	Ganapathy, KN	B Venkatesh Bhat & AV Umakanth	2012-2017
15	IIMR/CI/2015-20/69	Development of pearl millet parental lines with improved yield in A <sub>1</sub> , A <sub>4</sub> and A <sub>5</sub> CMS background	Sanjana, P	HS Talwar, IK Das, KBRS Visarada & Parashuram Patrori	2015-2021
16	IIMR/CI/2015-18/70	Genetic enhancement of finger millet ( <i>Eleusine coracana</i> (L.) Gaertn) genotypes for yield and its related traits	Ganapathy, KN	IK Das, G Shyam Prasad & B Venkatesh Bhat	2015-2021
17	IIMR/CI/2015-18/71	Genetic enhancement of grain yield and related traits and identification of trait specific genotypes in foxtail millet [ <i>Setaria italica</i> (L.) Beauv.]	Hariprasanna, K	A Kalaisekar, P Rajendra Kumar, Parashuram Patroti & KK Sharma	2015-2021
18	IIMR/CI/2015-18/72	Genetic enhancement of grain yield and contributing traits in kodo millet ( <i>Paspalum scrobiculatum</i> L.)	Deepika, C	K Hariprasanna, A Kalaisekar & SS Rao	2015-2021
19	IIMR/CI/2015-18/73	Genetic improvement of Proso millet [ <i>Panicum maliaceum</i> (L)] for yield and yield contributing traits	Avinash Singode	C Aruna, KBRS Visarada, K Srinivasababu & D Balakrishna	2015-2021
20	IIMR/CI/2015-18/75	Genetic improvement of little millet ( <i>Panicum sumatrense</i> Roth. Ex Roem. & Schult.) genotypes for yield and agronomic traits	Ganapathy, KN	AV Umakanth, & B Subbarayudu	2015-2021
21	IIMR/CP/2015-18/77	Optimization of the potential productivity of small millets and assessing the physiological basis of sustaining finger Millet yield in a rainfed environment	Ravi Kumar, S		2015-2018
22	IIMR/AS/2015-19/81	Physiological and biochemical basis of drought tolerance in finger millet and foxtail millets	Talwar, HS	NL Meena, KN Ganapathy & K Hariprasanna	2015-2019
23	IIMR/FF/2015-18/90	Evaluation of nutritional value of forage and stover from sorghum, pearl millet, finger millet and other millets	Venkateswarlu, R	CV Ratnavathi, B Venkatesh Bhat, AV Umakanth, KN Ganapathy & NL Meena	2015-2018
24	IIMR/FF/2015-20/91	Characterization of nutritional functional and therapeutic properties of millet grains to establish as health cereals	Ratnavathi, CV	V Vijayalakshmi (NIN) & R Venkateswarlu	2015-2021
25	IIMR/CP/2015-18/80	Digitalization of AICSIP data	Mukesh, P		2015-2018

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26	IIMR/VA/2015-18/89	Replication of successful value added processing, promotional and marketing interventions in pearl millet and small millets	Dayakar Rao, B	C Sangappa & NL Meena	2015-2021
27	IIMR/CI/2016-21/92	Developing kharif sorghum genotypes suitable for different seasons	Aruna, C	IK Das, C. Deepika, Sujay Rakshit, K Hariprasanna, KBRS Visarada, SS Rao, PG Padmaja, S Ravikumar, R Venkateshwarlu	2016-2021
28	IIMR/CI/2016-21/93	Breeding kharif sorghum for specific end uses	Aruna, C	CV Ratnavathi, C Deepika, Sujay Rakshit, R Venkateswarlu	2016-2021
29	IIMR/CI/2016-21/94	Breeding kharif sorghum cultivars with improved shoot fly resistance	Madhusudhana, R	PG Padmaja, KBRS Visarada	2016-2021
30	IIMR/CI/2016-21/95	Identification of genomic regions associated with grain protein quality traits in rabi sorghum through genomic-wide association analysis	Rajendra Kumar, P	CV Ratnavathi	2016-2021
31	IIMR/CI/2016-21/96	Breeding for high yielding rabi sorghum hybrids	Sujay Rakshit	Parashuram Patroti, MY Samdur, HS Talwar, KK Sharma, A Kalaisekar & K Srinivasababu	2016-2021
32	IIMR/CI/2016-21/97	Development of improved rabi sorghum varieties with high yield, drought tolerance and charcoal rot resistance	Samdur, MY	HS Talwar, KK Sharma, Parashuram Patroti, Sujay Rakshit	2016-2021
33	IIMR/CI/2016-21/98	Improving sweet and high biomass sorghum for biofuel and forage production	Umakanth, AV	HS Talwar, B Venkatesh Bhat, PG Padmaja, CV Ratnavathi, P Rajendra Kumar, B Amasiddha & NL Meena	2016-2021
34	IIMR/CI/2016-21/99	Breeding for higher grain yield and biomass in barnyard millet	Amasiddha, B	Sujay Rakshit, SS Rao & K Srinivasababu	2016-2021
35	IIMR/CI/2016-21/100	Enhancement of productivity of forage sorghum cultivation systems	Venkatesh Bhat, B	Avinash Singode, AV Umakanth, S Ravi Kumar N Kannababu, R Venkateshwarulu, G Shyam Prasad	2016-2021
36	IIMR/CI/2016-21/101	Development of molecular markers in kodo and little millet and their utility in genetic analysis	Rajendra Kumar, P	K Hariprasanna & KN Ganapathy	2016-2021

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37	IIMR/CI/2016-21/102	Development of high biomass pearl millet forage cultivars with improved quality	Madhusudhana, R	R Venkateshwarlu	2016-2021
38	IIMR/CI/2016-21/103	Sorghum, pearl millet and small millets genetic resources management	Elangovan, M	Avinash Singode	2016-2021
39	IIMR/CI/2016-21/104	Induction of cytoplasmic male sterility in Foxtail millet	Visarada, KBRS	R madhusudhana, K Hariprasanna, KN Ganapathy	2016-2021
40	IIMR/CPD/2016-21/105	Physiological basis of genetic gain in kharif sorghum cultivars	Rao, SS	C Aruna, Sujay Rakshit, S Ravi Kumar, N Kanna Babu & NL Meena	2016-2021
41	IIMR/CPT/2016-21/106	Investigations on shoot bug and maize stripe virus in sorghum	Subbarayudu, B	KK Sharma & MY Samdur	2016-2019
42	IIMR/CPT/2016-21/107	Studies on millet diseases with specific emphasis on blasts	Das, IK	A Nagaraja (AICRP on Small Millets), Jinu Jacob, N Kannababu, M Elangovan, KN Ganapathy & TG Nageshwar Rao	2016-2021
43	IIMR/CPD/2016-21/108	Development of database for millets stakeholders and market mapping of value-added products of millets in selected cities	Sangappa, C	B Dayakar Rao, Ch. Shashidhar Reddy & P Mukesh	2016-2021
44	IIMR/CPD/2016-21/109	Socio-economic analysis of tribal community ecosystem using millets based technologies	Chapke, RR	B Sangappa	2016-2021
45	IIMR/CPD/2016-21/110	Silage preparation from popular sorghum cultivars and its quality evaluation	Chapke, RR	B Venkatesh Bhat, AV Umakanth & R Venketeshwerlu,	2016-2021