

6 - Linkage and Collaborations

Externally Funded Projects-2023 (Rs in Lakhs)

Sr.	Project Title	Principal Investigator	Funding Agency	Amount received (Total budget)	Duration
1	Deciphering the marker-trait associations for grain yield and blast disease resistance traits in finger millet through genome-wide association analysis	K.N. Ganapathy	SERB-DST	14.01 (39.35)	2023-2026
2	Evaluation of Nano DAP in pearl millet and sorghum	Swarna Ronanki	Coromandel Fertilizers	7.08 (12.98)	2023-2024
3	Evaluation of foliar application of Coromandel Nano-Urea in sorghum crop	Swarna Ronanki	Coromandel Fertilizers	7.08 (7.08)	2023-2024
4	Evaluation of UPH 2221 for its bio-efficacy against weed flora, phytotoxicity to fodder sorghum and residual effect on succeeding groundnut	B. Gangaiah	UPL, Mumbai	5.80 (11.60)	2022-2024
5	Leaf Colour Chart (LCC) development for N fertilizer top dressing in sorghum, pearl millet and finger millet	B. Gangaiah	Nitrogen Parameters, Chennai	6.84 (13.00)	2022-2024
6	A comprehensive study to establish the health benefits (in vivo) of Nutri-cereals: A way forward for mainstreaming millets	B. Dayakar Rao	NFSM	395.30	2022-2025
7	Molecular prediction and candidate gene(s) identification for grain yield heterosis in <i>kharif</i> sorghum through genomics and transcriptomics approaches	P. Rajendra Kumar	SERB-DST	10.00 (38.92)	2022-2025
8	Development and characterization of trait specific lines from wide hybridization in sorghum	K.B.R.S. Visarada	SERB power grant	10.10 (30.41)	2022-2025
9	Combined effect of elevated CO ₂ and temperature on water use efficiency, productivity, quality of major cereal fodder crops and soil health	Seva Nayak	SERB-CGR	18.56 (42.86)	2022-2025
10	Biodiversity International: Consumption of resilient orphan products for healthier diets	Sooganna	Bioversity International & ICAR-NBPGR	7.50 (23.00)	2022-2025
11	Refinement of millet value chain for export markets - Preparation of export strategy in wake of International year of Millets - 2023	B. Dayakar Rao	APEDA	652.60	2021-2024
12	Development and standardization of millet based functional foods for distribution in public-funded program	B. Dayakar Rao	MoFPI	43.27	2021-2023
13	Research and development for resolving gaps in scaling up of millet value chain for technical backstopping micro units under PMFME	B. Dayakar Rao	MoFPI	354.00	2021-2024
14	Modifying the lignin composition in biomass sorghum and its deployment for enhanced lingo-cellulosic (2G) biofuel production	A.V. Umakanth	DBT	8.55 (24.80)	2021-2024
15	Identification of SNP-trait associations for seed longevity traits through association mapping in pearl millet and finger millet	N. Kannababu	SERB-DST	31.02 (49.28)	2021-2024

16	Formation and promotion of FPOs for oilseed crop and oil palm under Central Sector Scheme for formation and promotion of 10,000 FPOs	Sangappa	SFAC, DAFW	22.29 (125.00)	2021-2026
17	Formation and promotion of FPOs under Central Sector Scheme for formation and promotion of 10,000 FPOs	Sangappa	SFAC, DAFW	21.75 (125.00)	2021-2026
18	Formation and promotion of FPOs under NCDC Telangana	Sangappa	NCDC-ATARI Hyderabad	10.00 (50.00)	2021-2026
19	Formation and promotion of FPOs under NABARD Telangana	Sangappa	NABARD Telangana	10.00 (50.00)	2021-2027
20	Formation and promotion of FPOs under NABARD Andhra Pradesh	Sangappa	NABARD, AP	9.18 (50.00)	2021-2027
21	CRP in 'Biofortification in selected crops for nutritional security'	K. Hariprasanna	ICAR	24.00 (120)	2021-2026
22	CRP on Agrobiodiversity	K. Venkatesh	ICAR	40.00 (150.00)	2021-2026
23	AICRP on Seed (Crops)	B. Venkatesh Bhat	ICAR-IISS Mau	3.50	2021-2026
24	Farmer FIRST programme component of KVK scheme "Participatory technology validation diversification, value addition for small holders livelihood improvement of Central Telangana Zone"	R.R. Chapke	ICAR	24.50 (contd...)	2020-2025
25	Ensuring sustainable enhancement of millets production and value chain system for Food and Nutritional security of Odisha under State scheme "Special Programme for Promotion of Millets in Tribal Areas"	K. Srinivas Babu	Govt of Odisha	86.54 (86.54)	2020-2023
27	Promotion of FPOs on Nutri cereals (Millets) in AP, TS, MP and Karnataka	Sangappa	SFAC-NFSM	87.41 (122.94)	2019-2024
28	Application of next-generation breeding, genotyping, and digitalization approaches for improving the genetic gain in Indian staple crops	T. Nepolean	BMGF & ICAR	95.00 (398.00)	2018- 2023
29	Enhancing breeder seed production for increasing indigenous production of millets in India	B. Venkatesh Bhat	NFSM	11.00 (140.00)	2018-2023
30	Creation of Seed-Hubs for increasing production of millet crops in India	B. Venkatesh Bhat	NFSM	17.0 (175.00)	2018-2024
31	Establishment of Agri - Business Incubation (ABI) Centres under XIIth Plan Scheme for National Agricultural Innovation Fund	B. Dayakar Rao	NAIF-ABI	30.00 (100.00)	2017-2024
32	AICRP on Biological Control of Crop Pests Scheme	G. Shyam Prasad	ICAR	2.00 (contd...)	2009- till date
33	Central Sector Scheme for Protection of Plant Varieties and Farmers' Rights Authority	K. Hariprasanna	PPV&FRA	8.50 (contd...)	2008-till date
34	National Agriculture Innovation Fund- ZTMC	J. Stanley	ICAR	12.00 (contd...)	Continuous
35	Metabolic engineering of triacylglycerol (TAG) biosynthetic pathway to enhance the nutritional quality of forage sorghum and rumen protection of dietary lipids.	D. Balakrishna- IIMR & Rupam Bhunia, NABI, Mohali	SERB	23.36	2020-2023
36	Frontline demonstration on sorghum	R.R. Chapke	DA&FW, MOA	163.125 (contd...)	2009- till date