

UAS Sponsored Varietal development projects:

New projects sanctioned in 2020-21	16
Continued projects	31
Total	47

New - Varietal / Technology Development and Value-added Projects

Sl. No	Name of the Scheme Head / PI	Location	Title of the Project	Year of Start	Budget (Rs. in lakhs)			
					1 st yr. 2020-21	2 nd yr. 2021-22	3 rd yr. 2022-23	Total outlay
1.	Dr. M. P. Rajanna	VC Farm, Mandya	Revalidation of recommended package of practices for transplanted paddy in Southern Karnataka in the prespective of climate change	2020-21	4.00	4.00	3.00	11.00
2.	Dr. S.N. SwamyGowda	VC Farm, Mandya	Revalidation of recommended Package of Practices for sugarcane under changed climatic situation	2020-21	3.00	3.00	2.00	8.00
3.	Dr. C. N. L. Reddy	GKVK	Metabolome profiling of potential endophytes having anti – plant pathogenic properties and testing the endophytes in crop model system	2020-21	3.00	2.50	2.50	8.00
4.	Dr. N. Nagaraju	GKVK	Sustainable production of chilli against chilli leaf curl virus disease (ChiLCVD) and its vector through integrated management	2020-21	2.50	2.50	-	5.00
5.	Dr. H. C. Lohithaswa	VC Farm, Mandya	Evaluation of magic population for major disease and development of Recombinant Inbred Lines (RTLs) in Maize	2020-21	3.00	2.50	2.50	8.00
6.	Dr. K. N. Srinivasappa	GKVK	Study on adaptability, canopy architecture, seasonal effect on oil yield and quality of ylan-yland (<i>Canangodarata</i>)	2020-21	3.00	3.00	2.00	8.00

7.	Dr. Veena S. Anil	GKVK	Photosynthesis of Silver nanoparticles and evaluation of effects on yield, biotic and abiotic stress response in groundnut (<i>Arachishypogaea</i> L.) Crop	2020-21	3.00	3.00	2.00	8.00
8.	Dr. R. Siddaraju	GKVK	Performance testing for sowing windows, seed quality enhancement and storability of soybean cultivars : JS 335, KBS 23 and Karune	2020-21	2.50	2.50	-	5.00
9.	Dr. N. Nethra	GKVK	Assessment of genetic homogeneity within and between the local TMV2 types grown in Karnataka and their comparison with recently released MV2 type varieties	2020-21	3.00	2.00	-	5.00
10.	Dr. Usha Ravindra	GKVK	Value added products from super foods – chia seed and quinoa	2020-21	3.00	3.00	-	6.00
11.	Dr. K. Geetha	GKVK	Valorization of mango peel and seed kernel for food product and poultry feed	2020-21	2.50	2.50	-	5.00
12.	Dr. V. Palanimuthu	GKVK	Development of mango stone decorticator and utilization of mango stone kernel	2020-21	3.00	2.50	-	5.50
13.	Dr. B. Boraiah	GKVK	Biocomposting of mango pomace	2020-21	5.00	3.00	-	8.00
14.	Dr.A.S.Devkumar	GKVK	Studies on plant –host relationship in Sandalwood (<i>Santalum album</i>)	2020-21	4.00			
15.	Dr.B.G.Shekara	VC farm Mandya	Revalidation of production packages for higher green biomass yield and quality of important annual forage crops	2020-21	2.00			
16.	Dr. H. B. Mahesh	VC farm Mandya	Unlocking the nutritional potential of Tamarind (<i>Tamarindusindica</i> L.,) – An orphan legume tree crop for a resource – poor farmers, through whole Genome Sequencing	2020-21	1.10			

Continued -Varietal / Technology Development and Value-added Projects

Sl. No.	AB/Ac	Title of the Project	Year of Start	Duration	Year of Completion	Location	Department	Name of the PI	Total outlay (Rs. in lakhs)
1.	6212	Nutritional Management of Mulberry through Aeroponic system for Quality leaf Production and Silkworm Rearing	2016-17	4 years	2019-20	GKVK	Sericulture	Bhaskhar R N	9.00
2.	6735	Establishment of yer round bearing model perennial fruit orchard for family nutritional security and income generation (MPFO)	2015-16	5 years	2019-20	GKVK	Horticulture	Nirmala K S	5.71
3.	6817	Development of Microbial consortium for soil fertility improvement and disease management in Rice and Pulses	2017-18	3 years	2019-20	Mandya	Microbiology	Asha N N	3.45
4.	6818	Design and Development of Battery Operated vaccum cocoon harvester for silkworm Mountages	2017-18	3 years	2019-20	GKVK	Engg	Dronachari M	2.45
5.	6828	Evaluation and characterization of Rajamudi and Rathanachoodi – traditional rice varieties of Karnataka	2017-18	3 years	2019-20	Mandya	GPB	Rajanna M P	3.50
6.	6837	Development of homogygous and high yielding varieties and parental lines / inbreds of rice through doubled haploid technology	2017-18	3 years	2019-20	GKVK	Crop Physiology	Mohan Raju B	3.75
7.	6839	Interaction effect of pathogenic bacteria on outbreak of bacterial Flacherie	2017-18	3 years	2019-20	GKVK	Sericulture	Baskhar R N	3.00
8.	6847	Study of physical and chemical properties of leachatate of the land fill site due to dumping of BBMP waste, in terra farma biotechnology limited near	2017-18	3 years	2019-20	GKVK	Forestry	Nagarajaiah C	3.00

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		Gundalahalli, DoddaballapuraTq, Bangalore rural District							
9.	6850	Arrivals and price behaviour pattern of tomato A market intelligence study in Karnatak	2017-18	3 years	2019-20	GKVK	Marketing	Gracy C P	4.00
10.	6852	Innovative Approachs of Aeroponics and Hydroponics for Hybrid seed production in tomato (<i>Lycopersiconesculentum</i> Mill)	2017-18	3 years	2019-20	GKVK	Seed Technology	Nethra N	8.40
11.	6854	Study on drought tolerance and water use of selected Neglected Underutilized Species (NUS) as climate resilient nutritive food crops	2018-19	2 years	2019-20	GKVK	Agronomy	Anand S R	2.60
12.	6855	Revalidation of varietal suitability for different sowing windows and enhancement of finger millet yield through STCR approach under climate change scenario	2018-19	2 years	2019-20	Mandya	Agronomy	Shubhashree K S	2.71
13.	6860	studies on effect of different biomass on drying performance of solar-cum-biomass energy dryer	2018-19	2 years	2019-20	GKVK	Engg	Darshan M B	2.31
14.	6862	Enhancement of shelf life of value added products of Millets using sweet flag rhizome (<i>AcorusCalamus</i> L.)	2018-19	2 years	2019-20	Naganahalli	Food Science	Vijayalaxmi K	1.50
15.	6864	Development of designer seed in maize to augment the productivity	2018-19	2 years	2019-20	GKVK	Seed Technology	Vishwanath K	1.50
16.	6865	Evaluation of different pretreatments	2018-19	2 years	2019-20	GKVK	Engg	Kalpana B	1.50

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		and packaging materials for shelf life extension of Jackfruit Pulp							
17.	6866	Development of weather based forecasting model for sorghum downy mildew incited by <i>Peronosclerosporasorghii</i> in maize	2018-19	2 years	2019-20	Mandya	Pl. Pathology	Jadesha G	1.50
18.	6867	Genetic Purity Testing Of Maize (<i>Zea Mays</i> L.) Hybrids Through <i>Genotyping By Sequencing</i>	2018-19	2 years	2019-20	GKVK	Seed Technology	Nethra N	2.00
19.	6894	Economic Impact of Production Technologies Released by UAS, Bangalore	2018-19	2 years	2019-20	GKVK	Economics	Mahadevaiah G S	18.00
20.	6897	Effect of seedling source and method of planting on seed yield and quality in finger millet (<i>Eleusinecoracana</i> (L.) Gaertn)	2018-19	2 years	2019-20	GKVK	Seed Technology	Siddaraju R	1.50
21.	6138	Treated Sewage Water - Utilization and its Impact on Agriculture and Ecology	2019-20	2 years	2020-21	GKVK &Chintamani	SS&AC	Prakash N B	43.00
22.	6137	Documentation and validation of ITK's in different crops	2019-20	3 years	2021-22	GKVK &Chintamani	Entomology	Mohan I Naik	6.00
23.	6130	Case study on impact of distillery spentwash spillage on soil properties and possible reclamation measures	2019-20	2 years	2020-21	Mandya	SS&AC	Suma R	3.00
24.	6131	Revalidation of recommended package of practices for Maize to mitigate climate change in southern Karnataka	2019-20	2 years	2020-21	Mandya	GPB	Scheme Head, AICRP on	3.00

Sl. No.	AB/Ac	Title of the Project	Year of Start	Duration	Year of Completion	Location	Department	Name of the PI	Total outlay (Rs. in lakhs)
								Maize, ZARS, VC Farm, Mandya	
25.	6132	Development of value added probiotic products from minor millets	2019-20	2 years	2020-21	GKVK	FS&N	UshaRavindra	2.00
26.	6133	Processing and value addition of underutilized fruit crops	2019-20	1 year	2019-20	GKVK	FS&N	Kalpana B	0.82
27.	6134	Development and standardization of contemporary millet bakery products for commercialization	2019-20	2 years	2020-21	Hebbal	FS&N	Mamatha H S	2.00
28.	6135	Development of Suitable Hybrids and Agro techniques for baby corn and sweet corn in Southern Karnataka	2019-20	2 years	2020-21	Mandya	GPB	Scheme Head, AICRP on Maize, ZARS, VC Farm, Mandya	2.00
29.	6136	Evaluation of Anthurium varieties under shade net house for bangalore condition and standardization of Agro-techniques for best varieties	2019-20	1 year	2019-20	GKVK	Horticulture	VasanthaKumari R	3.00
30.	6139	Development of solar powered image processing system for bird scaring	2019-20	1 year	2019-20	GKVK	Engg.	Dronachari M	3.00
31.	6140	Understanding the seasonal influence on the production of interspersed male flower in female flower and its effect on quality hybrid seed production in	2019-20	2 years	2020-21	GKVK	Seed Technology	Nethra N	3.00

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		Castor (<i>Ricinuscommunis</i> L.)							