

ONGOING RESEARCH PROJECTS

a. All India Coordinated Research Projects

1. All India Coordinated Research Project on Tobacco at Shimoga
2. All India Coordinated Research Project on Rice at Brahmavar
3. All India Coordinated Research Project on Oil Seeds-Castor at Hiriyur.
4. All India Coordinated Research Project on Farming Systems Research, Kathalagere
5. All India Coordinated Research Project on Rice at Ponnampet & Brahmavar
6. All India Coordinated Research Project on Cardamom at Mudigere
7. All India Coordinated Research Project on Palm Centre for arecanut at ARC, Shimoga (New).

b. During the year the following eleven research projects sanctioned from GOK/GOI under RKVY are in operation in the University (2013-14).

Sl. No.	Name of the Project	Budget released
1.	Improving livelihood of farmers through varietal replacement with new and potential varieties/ hybrids	100.00
2.	Precision farming techniques for site specific nutrient, water and pest management in coconut, coffee and onion	75.00
3	Establishment of farm machinery workshop cum service and training centre.	200.00
4.	Increasing Livelihood and economy of farmers by introduction and popularization of Guar: A Potential Export Oriented Crop in Karnataka	75.00
5.	Popularization of multi-storied cropping systems in arecanut and coconut plantations in malnad and coastal areas of Karnataka.	200.00
6.	Popularization of high valued horticulture crops under protected cultivation for economical sustainability	150.00
7.	Mass multiplication of Horticulture crops through micro-propagation and traditional system of plant propagation	215.00

Sl. No.	Name of the Project	Budget released
8	Bio-Fertilizer and Bio-Control agents production towards meeting demand of Organic Farming for sustained Agri-Horticultural production in Malnad and Coastal Areas of Karnataka State	60.00
9.	Poverty alleviation through bee keeping in Malnad region of Karnataka	70.00
10.	Development of rural Aquaculture through improved technologies or enhancing production and potentialities of weed infested tanks and other water resources in Hill Zone of Karnataka.	70.00
11.	Nutritional and disease insect pest management in arecanut	85.00
Total		1300.00

c. The following five developmental projects have been sanctioned during 2013-14 are in operation in the University.

Sl.No.	Title of the project	Funding Agency	Outlay (Rs. in lakhs)
1	Promotion of cashew cultivation by adoption of improved crop production techniques in Non-traditional areas and village adoption	DCCD, Cochin	45.12
2	Exploration, conservation and utilization of rear and endangered and threatened species of medicinal plots of western ghats.	DCCD, Cochin	5.00
3	Frontline technology demonstration of cashew at Dakshina Kannada districts.	DCCD, Cochin	6.00
4	Taxonomy distribution and diversity of termite (Isoptera) fauna of Western Ghats	DST New Delhi	27.48
5	Diversity and dynamics of weeds as influenced by novel herbicides in Transplanted and Direct seeded Rice and residual effect on succeeding crops	INDOFIL Mumbai	4.95

d. During the year the following seven projects have been approved under KSDA (Plan grants) are in operation in the university (2014-15).

Sl. No.	Name of the Project	Budget released (Rs. In lakhs)
1	Crop improvements research on important crops	125.00
2	Establishment of soil carbon sequestration centre at Shimoga	50.00
3	Research on alternated crops to coconut in drier areas like Kadur	50.00
4	Characterization of acid soils and management strategies for increasing crop productivity in Malnad area	50.00
5	Research on fertility management in Paddy and Maize for maximization of yields in Malnad area	50.00
6	Viable models of IFS for different agro-climatic zones of UAHS at Shimoga	50.00
7	Phytophthora and root-grub management in field and horticultural crops for realizing potential yields	75.00
Total		450.00

e. The following seven projects have been approved during 2014-15 under R&D scheme

Sl.No.	Name of the projects	Outlay (Rs. In laksh)
1	Identifying suitable rice genotypes under submergence for rainfed ecosystem of hill zone of Karnataka	5.00
2	Validation and standardization of potassium management in submerged rice under command areas of southern transition zone of Karnataka	4.30
3	Assessment and popularization of foliar nutrition of water soluble fertilizers in paddy for higher yields in southern transition zone of Karnataka	6.00
4	Development and universal evaluation of bio-control microbial consortia for healthy ginger cultivation in Malnad region of Karnataka	6.00
5	Utilization and universalization of phosphate and potash solubilizing microbial consortia in Malnad region of Karnataka	7.00
6	Management of pomegranate wilt complex	11.50
7	Soil application of systemic fungicides through briquettes for the management of fruit rot of arecanut in Malnad regions of Karnataka	13.00
Total		52.80

f. During the year the following five research projects sanctioned from GOK/GOI under RKVY are in operation in the University (2014-15).

Sl.No.	Name of the projects	Outlay (Rs. In laksh)
1	Standardization of processing technologies, value addition, of fruits, vegetables and arecanut; establishment of pilot plant, popularization and large scale demonstrations and establishment of seed testing laboratories.	680.00
2	Integrated approaches for creation, conservation and utilization of tree resource on farm land and natural habitat for enhanced livelihood and income security.	125.00
3	Comprehensive pest and disease management practices for enhancement of plant health of malnad, semi-malnad and maidan areas.	170.00
4	Improvement of soil health and productivity for yield maximization through integrated crop management practices	160.00
5	Development of high yielding varieties of important crops of southern transitional zone by conventional and non-conventional breeding methods.	255.00
Total		1390.00

Government of Karnataka and Other Agencies (2014-15)

Sl. No.	Title of the Project	Funding Agency	Amount
1	Development of teak based mixed species plantation models for Karnataka	Karnataka Forest Department, Conservator of Forest, Madikeri	2,50,000
2	Standardization of seed handing and propagation techniques for important RET tree species.	Karnataka Forest Department, Conservator of Forest, Madikeri	1,05,903
3	Assessment of variation in Dalbargia Latifolia (Rosewood) in different forests of Karnataka	Karnataka Forest Department, Conservator of Forest, Madikeri	67,000
4	Rejuvenation of Majjigehalli Tea Seed orchard at Thithimathi.	Karnataka Forest Department, Conservator of Forest, Madikeri	66,000
5	Establishment of linear tree increment plot to study the floristic structure diversity and regeneration in tropical ever green forests of Madikeri division	Karnataka Forest Department, Conservator of Forest, Madikeri	67,000
6	CSS-MIDH programmes on Spices	CSS-NHM	86,18,000
7	Rejuvenation of model apiaries and augmentation of bee forage resources of Kodagu district	KABDC Bangalore	32,50,000

8	Evaluation of Bio-efficacy and Phytotoxicity study (field trials) of Clethodium 25% w/w EC on cotton		1,14,000
9	Evaluation of Flumioxazine a novel herbicide against weed complex of Soybean	Other agency	3,60,000
10	Testing of fungicide/Trifloxystrobin 25% +Tebuconazole 50%- 75WG against leaf/fruit spot disease of Pomegranate.	Bayer Crop Science, Bangalore	1,23,750
11	Establishment of Model nursery on medicinal plant	NNMP	10,00,000
12	Testing of Rallis new product tata geo green (organic compost) on coffee	Rallis India Ltd. Bangalore	1,00,000
13	Relative efficiency of different phosphatic fertilizers on yield and uptake by Soybean	Transworld Furtichem Pvt. Ltd.	5,21,732
14	Farmers participatory approach for demonstration on integrated crop management techniques in fruits and vegetable production in Shimoga district	ATMA, KSDA, Shimoga	78,800
15	Yield maximization of rainfed maize through foliar application of liquid form of fertilizer	ATMA KSDA, Shimoga	33,000

Other Agencies: The following thirty six projects have been sanctioned prior to 2014-15 and are under progress

Sl. No.	Title of the Project	Funding Agency	Amount
1	FTTF- Development of soil information system in coastal soils of Dakshina Kannada district.	NABARD	3,19,000
2	Vegetation carbon pool assessment in Karnataka.	Other Agency	3,06,390
3	Screening BASF insecticide for leaf miner in tomato, cotton leaf hopper and thrips in water melon.	GOK	4,18,899
4	Information and demonstration center on Bio-fuel.	GOK	5,79,507
5	Utilization of Consortia of Lactic Acid Bacteria and Plant Growth Promoting Micro organisms in Healthy Grape Cultivation	GOI	3,32,338
6	Evaluations of bio-efficacy and Phytotoxicity of Thifluzamide 24% SC against coffee rust disease	Insecticides India Ltd., Bangalore	1,01,250
7	Evaluation study of field irrigation channels and field drainage programme	CADA, Bhadra Reservoir Project	3,00,000
8	Establishment of silt monitoring and Hydrological study stations in model watershed under Integrated watershed management programme.	Dept. of Watershed Development Board under IWMP, GOK	76,220

9	Bio-efficacy of fipronil against pest of cotton, chilli, cabbage and Rice in Southern Transitional Zone of Karnataka	Other Agency	1,90,938
10	Evaluation of rallies insecticides, Astaf 75 SP and Hunk 95% SG for bio-efficiency against aphids and other pests of tobacco	Other Agency	1,80,000
11	Mechanization for paddy cultivation in Karnataka	ATMA	3,00,000
12	Managing Trade-Offs in Coffee Agro forests	Dept. of Forestry, GoK	3,91,553
13	Evaluation of Bispyridac sodium 10% SC a novel herbicide against weed complex of transplanted rice in Bhadra Command	Other agency	-
14	Comparative assessment of the bio-efficacy of renaxypyr (Corogen) 18.5 SC on arecanut root grubs, Shimoga	Other agency	-
15	Evaluation of rice germplasm for resistance against blast disease caused by Magnoportha, grisea, Ponnampet	Other agency	-
16	Connecting, enhancing and sustaining environmental services and market values of coffee, agro-forestry in Central America, East Africa and India (CAFNET), Ponnampet	Foreign Agency	81,861
17	Development a concept document on a scope for payment for ecological services in Kodagu, Ponnampet.	Foreign Agency	29,784
18	Technology dissemination through frontline demonstration on organic farming, transfer of technology programmes and production of quality planting materials of species	CSS-NHM	35,65,000
19	Innovative technology demonstration of organic farming practices in cocoa with arecanut at Shimoga district on village adoption basis.	GOI	20,810
20	Innovative technology demonstration of organic farming practices in cashew with arecanut at Shimoga district on village adoption basis.	GOI	5,534
21	Establishment of disease forecasting unit	NHM, GOK	77,539
22	Establishment of plant health clinic in public sector under NHM at Agriculture college, Shimoga.	NHM, GOK	1,30,928
23	Management of Koleroga of Arecanut through FLD in Shimoga District.	GOK, KSHM	34,918
24	Management of stem for and root knot Nematode complexes of Tuber rose through FLD in Araca based cropping systems.	KSHM	68,488
25	Management of Hidimundige of Arecanut through FLD in Shimoga district	NHM	81,900

26	Cost of machineries for the establishment of farm level cashew processing unit at Brahmavar	NHM	2,00,000
27	Evaluate the Bio-efficacy and Phytotoxicity of new acaricide mixture formulation against mites on okra and tomato crops	Other agency	1,57,304
28	Evaluation study of subsurface land reclamation programme under CADA, Bhadra Reservoir Project	CADA, Shimoga	5,45,800
29	Evaluation of rallis new pre-mixture herbicide, RIL-166/F1 (10+240 g/l) SE for its efficacy, Phytotoxicity and residue against important weeds in wet direct seeded rice as pre emergent application-payment	Rallis India	2,02,248
30	Value addition through eco-labeling of unique synergetic attributes of Indian coffee appreciated by citizens of Swiss/EU	Foreign Agency	3,12,188
31	Establishment of ornamental and plantation crops nursery	NHM	24,40,000
32	Conducting trial on Rallis Geo Green Organic Compost on Cardamom	Rallis India Ltd.	1,12,360
33	Effect of Mangala Kolenashak Fruit Rot of Arecanut	MCF, Mangalore	89,888
34	Frontline technology demonstration on organic cocoa cultivation at farmers field	Other agency	1,61,333
35	Frontline technology demonstration on organic cashew cultivation at farmers fields	Other agency	2,08,797
36	Capacity building programmes for adoption of improved production technology in cashew	DCCD	99,000