

NEED BASED STAFF RESEARCH PROJECTS 2016-17 (ABAC/DAC: 550001/000366)

Sl.No.	DR.NO.	Title of the project	Principal Investigator	Budget including project Assistantship (₹ in lakhs)
1. AGRONOMY				
1	1.1	Management of nitrogen through organic manure in SRI method of paddy cultivation for coastal zone of Karnataka	Dr. M. Hanumanthappa	0.82
2	1.2	Efficiency of slow releasing nitrogenous fertilizers on growth and yield of paddy in coastal Karnataka	Dr. M. Hanumanthappa	0.90
3	1.3	Effect of sequential applications of pre and post emergent herbicides on growth and yield of rice in coastal Karnataka	Mr. K.V. Sudheer Kamath	0.82
4	1.4	Standardization of sowing dates and nutrient management for little millet (<i>Panicum sumetrense</i>) varieties	Dr. M. Dineshkumar	0.82
5	1.5	Nitrogen management in rainfed maize through slow release nitrogenous fertilizers under light textured soils	Dr. T.M. Soumya	1.00
6	1.6	Standardization of agro-techniques for chia in southern transitional zone of Karnataka	Dr. H.K. Veeranna	0.82
7	1.7	Assessment of maize and pole bean intercropping system under different geometry, sowing time and level of fertilizers in Southern Transition zone of Karnataka	Dr. H.K. Veeranna	0.76
8	1.8	Effect of different potassium levels and time of application on growth and yield of finger millet under drill sown and transplanted conditions	Dr. C. Sunil	0.82
9	1.9	Enhancing the productivity of Foxtail millet (<i>Setaria italic</i> L.) in southern transition zone of Karnataka through agronomic interventions	Dr. S. Sridhara	0.98
10	1.10	Standardization of agro-techniques for rainfed hybrid castor (<i>Ricinus communis</i> L.) in Central Dry Zone of Karnataka	Dr. C.J. Sridhara	0.90

Sl.No.	DR.NO.	Title of the project	Principal Investigator	Budget including project Assistantship (₹ in lakhs)
2. AGRICULTURAL ENTOMOLOGY				
11	2.1	Insect pests of black pepper with special reference to ecology and management of leaf gall thrips	Dr. C.M. Kalleshwaraswamy	0.82
12	2.2	Evaluation and utilization of fungal bio-control agents for the management of sucking pests on bell pepper under protected conditions	Dr. L. Hanumantharaya	1.07
13	2.3	Studies on the seasonal incidence (on cardamom) and host range of <i>Congethers Sp.</i>	Dr. L. Hanumantharaya	1.07
14	2.4	Management of thrips in Capsicum in polyhouse	Dr. Jayalakshmi N. Hegde	0.50
15	2.5	Borer complex of cowpea with special reference to the management of cowpea pod borer <i>Maruca vitrata</i>	Dr. Jayalakshmi N. Hegde	0.82
16	2.6	Estimation of yield loss due to borer incidence in Jasmine and their management	Dr. Jayalakshmi N. Hegde	0.82
17	2.7	Management of sucking pests aphids/whiteflies in Chrysanthemum and Cowpea	Dr. Jayalakshmi N. Hegde	0.50
3. AGRICULTURAL EXTENSION				
18	3.1	Impact of mobile Agro-advisory services on the farmers of Udupi district	Dr. B. Dhananjaya	1.00
19	3.2	Documentation of impact of training conducted on friends and coconut tree by KVK, Shivamogga	Mr. Basavaraj Beerannavar	1.00
20	3.3	Documentation of efficient sustainable and equitable interventions adopted by farmers to mitigate climate change	Dr. S. Sahana	1.00
4. AGROFORESTRY				
21	4.1	Assessment of diversity and conservation of wild orchids of Kodagu in the Central Western Ghats	Dr. M. Jadegowda	1.28
22	4.2	Onfarm conservation of RET tree species in shade coffee landscape of Kodagu	Mr. Maheshwarappa, V	1.28

Sl.No.	DR.NO.	Title of the project	Principal Investigator	Budget including project Assistantship (₹ in lakhs)
5. HORTICULTURE				
23	5.1	Studies on effects of growth regulators on growth, suckering and flower yield on Anthurium var. Tropical	Mr. S.Y. Chandrashekhar	0.82
24	5.2	Studies on role of growth regulators on growth, yield corms and flowers of Gladiolus cv. Summer sunshine under open condition	Mr. S.Y. Chandrashekhar	0.82
25	5.3	Performance of Heliconia genotypes in shadehouse under hill zone of Karnataka	Mr. S.Y. Chandrashekhar	0.82
26	5.4	Effect of growth regulators and rooting media on propagation of Barbados cherry	Dr. Nagarajappa Adivappar	0.82
27	5.5	Studies on plant densities in Yardong bean (<i>Vigna unguiculata sp. Sesquipedalis</i>)	Dr. Nagarajappa Adivappar	0.82
28	5.6	Studies of combining ability and heterosis in cucumber (<i>Cucumis sativus</i> L.)	Dr. Nagarajappa Adivappar	0.82
29	5.7	Studies of fertigation schedule of strawberry (<i>Fragaria X ananassa Duch</i>) under naturally ventilated polyhouse in hill zone of Karnataka	Dr. D. Madaiah	1.07
30	5.8	Agro-techniques intervention in strawberry (<i>Fragaria X ananassa Duch</i>) trained on hanging system under naturally ventilated polyhouse in hill zone of Karnataka	Dr. D. Madaiah	1.07
6. PLANT BREEDING				
31	6.1	Identification of tolerant rice genotypes under submergence in rainfed low lands of Karnataka	Dr. B.M. Dushyanthkumar	1.20
32	6.2	Evaluation of rice segregating populations to identify superior blast resistant genotypes for yield traits and blast reaction	Dr. B.M. Dushyanthkumar	1.20
33	6.3	Evaluation of MO-4 into Puttabatta segregating population (F2) in rice for yield and quality traits	Dr. B.M. Dushyanthkumar	0.98
34	6.4	Identification of drought tolerant rice genotypes in uplands	Dr. B.M. Dushyanthkumar	0.82

Sl.No.	DR.NO.	Title of the project	Principal Investigator	Budget including project Assistantship (₹ in lakhs)
35	6.5	Identification of stable red rice variety in advanced breeding lines of rice across different agro-climatic situation	Dr. B.M. Dushyanthkumar	1.00
36	6.6	Development of high yielding and resistant lines to sucking pests by induced mutagenesis	Dr. S. Gangaprasad	0.98
37	6.7	Development of high yielding cucumber (<i>Cucumis sativas</i> L.) hybrid	Dr. S. Gangaprasad	0.82
38	6.8	Development of brinjal (<i>Solanum melongena</i> L.) genotypes for productivity and tolerance to fruit and shoot borer	Dr. S. Gangaprasad	1.00
39	6.9	Development of high yielding greengram (<i>Vigna radiate</i>) (L.) Walp genotypes	Dr. S. Shivanna	0.82
40	6.10	Development of high yielding cowpea (<i>Vigna anguiculata</i> (L.) Walp lines through hybridization	Dr. T.H. Gowda	0.82
41	6.11	Development of high yielding good quality FCV tobacco varieties suitable for KLS region: Variability and character association in F3 generation of FCV tobacco (<i>Nicotana tabaccum</i> . L)	Dr. H.D. Mohan Kumar	0.63
42	6.12	Development of high yielding good quality FCV tobacco varieties suitable for KLS region: Genetic of yield and yield components in FCV tobacco (<i>Nicotiana tabacum</i> L.)	Dr. H.D. Mohan Kumar	0.63
43	6.13	Development of climate resilient Goundnut genotypes	Dr. B.N. Harishbabu	0.82
7. PLANT PATHOLOGY				
44	7.1	Investigations on bacterial leaf blight of paddy incited by <i>Xanthomonas oryzae pv. Oryzae</i>	Dr. C. Karegowda	1.07
45	7.2	Management of bacterial wilt of Brinjal (<i>Mattgulla</i>) <i>Ralstonia solanacearum</i> (E.F. Smith) in Coastal Karnataka	Dr. H. Narayanaswamy	0.98
46	7.3	Management of soft rot of ginger and production of seedlings through pro-tray method	Dr. H. Narayanaswamy	0.82
47	7.4	Studies on Gallling pattern of Meloidogyne graminicola in rice	Dr. H. Ravindra	0.98
48	7.5	Integrated Management of Plant parasitic nematodes in maize	Dr. H. Ravindra	0.82

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49	7.6	Studies on root-knot nematode in guava caused by <i>Meloidogyne enterolobii</i>	Dr. H. Ravindra	0.82
50	7.7	Management of Basal Stem Rot (Anaberoa) of coconut through technology demonstration in hot spot areas.	Dr. R. Ganesh Naik	1.23
51	7.8	Studies on bacterial leaf stripe or leaf rot of arecanut (<i>Areca catechu</i> L.) caused by <i>Xanthomonas campestris</i> pv. <i>Arecae</i>	Dr. B. Gangadhara Naik	1.07
52	7.9	Epidemiology and management of Chrysanthemum Leaf Blight	Dr. Suresha D. Ekabote	1.23
8. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY				
53	8.1	Recycling and effective utilization of poultry egg shell as a source of calcium nutrition in tomato	Dr. G.N. Thippeshappa	1.20
54	8.2	Evaluating the potential of crops for carbon sequestration in different arecanut based cropping system	Mr. Ganapathi	1.20

NEED BASED STAFF RESEARCH PROJECTS 2017-18 (ABAC/DAC: 103001/000366)

Sl.No.	DR.NO.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
2. AGRONOMY					
1	1.11	Crop weather relationship under coastal rice cultivation	Dr.M. Hanumanthappa, ADR, ZAHRS, Brahmavar	0.40 + 0.20	0.60
2	1.12	Standardization of agro techniques for sweet corn (Zea mays saccharata sturt) in southern transition zone of Karnataka	Dr. Narayan S. Mavarkar, COA, Shivamogga	0.60 + 0.60	1.20
3	1.13	Influence of humic acid-bio-stimulant on biomass, nutrient uptake and quality of soybean	Dr. G. K. Girijesh, COA, Shivamogga	0.40 + 0.20	0.60
4	1.14	Integrated Nutrient Management in aerobic rice	Dr. C.J. Sridhar, COA, Shivamogga	0.40 + 0.40	0.80
5	1.15	Nutrient Management practice in maize + pole bean intercropping system for sustainable maize production	Dr. H.K. Veeranna, CoA, Shivamogga	0.60 + 0.40	1.00
6	1.16	Characterization of drought and evaluation of drought management option for maize under rainfed condition	Dr. S. Sridhara, COA, Shivamogga	0.40 + 0.30	0.70
7	1.17	Study on bioefficacy of new post emergent herbicide molecules along with the combinations of the pre emergent herbicides under the transplanted rice in the hill zone of Karnataka	Dr. M. Shivaprasad, COH, Mudigere	0.00 + 0.60	0.60
8	1.18	Yield maximization in mechanized rice cultivation through foliar applications of macro and micro nutrients in coastal zone of Karnataka	Dr. Sudheer Kamath, ZAHRS, Brahmavar	0.40 + 0.20	0.60
9	1.19	Herbage yield and nutrient composition of fodder maize based intercropping system in rainfed situation of Southern Transitional Zone (STZ)	Dr. T. Basavaraj Naik, AHRs, Bavikere	0.40 + 0.20	0.60
10	1.20	Identification of suitable groundnut-nutri millet based inter cropping system for Central Dry Zone of Karnataka under rainfed condition	Dr. A. H. Kumar Naik, ZAHRS, Hiriyur	0.40 + 0.40	0.80
Total					7.50

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2. AGRICULTURAL ENTOMOLOGY					
11	2.8	Pest complex of cucumber with special reference to ecology and management of two spotted spider mite.	Dr. M. Manjunatha, COA, Shivamogga	0.60 + 0.40	1.00
12	2.9	Pest complex of rose and their management	Dr. B.K. Shivanna, COA, Shivamogga	0.40 + 0.20	0.60
13	2.10	Studies on insect pests of soybean with special reference to two spotted spider mite <i>Tetranychus urticae</i> Koch.	Dr. S. Pradeep, OFRC, Shivamogga	0.40 + 0.20	0.60
14	2.11	Seasonal incidence, varietal evaluation and management of cardamom thrips, scirtothrips cardamom	Dr. Hanumantharaya. L., COH, Mudigere	0.40 + 0.60	1.00
15	2.12	Evaluation of new insecticide against paddy caseworm	Dr. Hanumantharaya. L., COH, Mudigere	0.00 + 0.60	0.60
16	2.13	Management of leaf webbers in cocoa	Dr. Jayalakshmi N. Hegde, DOE Office, Shivamogga	0.40 + 0.30	0.70
17	2.14	Management of Aphids in field bean, <i>Lablab purpurius</i>	Dr. Jayalakshmi N. Hegde, DOE Office, Shivamogga	0.40 + 0.30	0.70
18	2.15	Studies on efficacy of insecticides against coffee white stem borer, <i>Xylotrechus quadripes</i> chevrolat (Coleoptera: Cerambycidae) and pheromone trap to monitor adult beetles	Dr. Revanna Revannavar, COH, Mudigere	0.40 + 0.60	1.00
19	2.16	Studies on population dynamics and management of coffee shot-hole borer, <i>Xylosandrus compactus</i> (Eichhoff) (Coleoptera: Curculionidae: Scolytinae)	Dr. Revanna Revannavar, COH, Mudigere	0.40 + 0.30	0.70
20	2.17	Management of vector borne viruses infecting potato	Dr. C. M.Kalleshwaraswamy, COA, Shivamogga	0.60 + 0.30	0.90
21	2.18	Species composition, ecology and management of leafhoppers infesting potato	Dr. C. M.Kalleshwaraswamy, COA, Shivamogga	0.40 + 0.30	0.70
22	2.19	Studies on diversity of spider mites infesting vegetable crops in Chitradurga district, Karnataka and its management on tomato crops	Dr. Rajashekarappa. K., COH, Hiriyyur	0.40 + 0.50	0.90
23	2.20	Studies on pest complex and management of cucurbit pests with special reference to fruit fly, <i>Bactrocera cucurbitae</i> (Coquillett)	Ms. M.H. Suchithrakumari, COH, Mudigere	0.40 + 0.50	0.90
24	2.21	Survey, seasonal incidence and management of black pepper root mealy bug	Mr. Girish, R., KVK, Mudigere	0.40 + 0.50	0.90
Total					11.20

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3. AGRICULTURAL EXTENSION					
25	3.4	Impact assessment of DAESI Programme conducted by UAHS, Shivamogga	Dr. M. Sudheendra, Directorate of Exten, UAHS	0.40 + 0.40	0.80
26	3.5	Problems and prospectus of Mechanization in Paddy of Udupi district	Dr. B. Dhananjaya, ZAHRS, Brahmavar	0.40 + 0.50	0.90
27	3.6	A studies on Agricultural information sharing through different communication technologies and its effectiveness	Dr. K. Amaresh Kumar, COH, Hiriyu	0.40 + 0.60	1.00
28	3.7	Role of farm men and women in paddy cultivation: A study in Shivamogga district.	Dr. Basavaraja Beerannavr, COA, Shivamogga	0.40 + 0.40	0.80
29	3.8	A study on farmers preference for emerging institutional interventions in agricultural marketing	Dr. Sahana, S CoA, Shivamogga	0.40 + 0.40	0.80
30	3.9	Study on impact of rural horticultural work experience programme (RHWEPP) on farmers in Chikamagaluru district	Dr. A.T. Krishnamurthy, COH, Mudigere	0.00 + 0.50	0.50
Total					4.80
5. HORTICULTURE					
31	5.9	Evaluation of Chrysanthemum genotypes under hill zone of Karnataka	Dr. Chandrashekhar.S.Y., COH, Mudigere	0.40 + 0.60	1.00
32	5.10	Studies on fertigation and mulching in pole bean (<i>Phaseolus vulgaris L.</i>) under naturally ventilated polyhouse	Dr. Nagarajappa Adivappavar, ZAHRS, Shivamogga	0.40 + 0.20	0.60
33	5.11	Evaluation of tamarind genotypes for yield and yield attributing characters	Dr. Nagarajappa Adivappavar, ZAHRS, Shivamogga	0.40 + 0.20	0.60
34	5.12	Evaluation of exotic fruit macadamia for nut quality, yield and yield attributing traits in Southern Transitional Zone	Dr. Nagarajappa Adivappavar, ZAHRS, Shivamogga	0.40 + 0.00	0.40
35	5.13	Standardization of propagation techniques for Endangered medicinal plant	Dr. Raviraj Shetty, COH, Mudigere	0.40 + 0.60	1.00
36	5.14	Influence of plant growth promoting rhizomicroorganisms and growth hormones on root and shoot growth of lateral cuttings of black pepper	Dr. Bhoomika, COH, Mudigere	0.40 +0.80	1.20
37	5.15	Studies on evaluation of F ₂ segregating populations derived from three biparental crosses for yield and its component traits in okra (<i>Abelmoschus esculentus (L.) Moench</i>)	Dr. Prakash Kerure, KVK, Hiriyr	0.40 + 0.60	1.00
Total					5.80

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6. PLANT BREEDING					
38	6.14	Identification and development of productive genotypes in Finger millet (<i>Eleusine coracona</i> (L), Gaertn) of southern transition zone.	Dr. T.H. Gowda, Director of Extension	0.40 + 0.30	0.70
39	6.15	Induced genetic variability in Groundnut (<i>Arachis hypogaea</i> L.) cv. TMV-2	Dr. H.D. Mohankumar, Special Officer (Seed)	0.40 + 0.30	0.70
40	6.16	EMS induced genetic variability in Groundnut (<i>Arachis hypogaea</i> L.) cv. TMV-2	Dr. H.D. Mohankumar, Special Officer (Seed)	0.40 + 0.30	0.70
41	6.17	Morphological and Physiological characterization of rice genotypes under salt stress condition	Dr. B. M. Dushyanthkumar, COA, Shivamogga	0.60 + 0.20	0.80
42	6.18	Collection, conservation, Morphological characterization and assessment of G x E traditional rice varieties based on DUS guidelines	Dr. B. M. Dushyanthkumar, COA, Shivamogga	0.60 + 0.20	0.80
43	6.19	Development of productive and appreciable keeping quality lines in Tomato (<i>solanum lycopersicum</i> L.)	Dr. S. Gangaprasad, COA, Shivamogga	0.60 + 0.20	0.80
44	6.20	Screening and evaluation of groundnut germplasm for resistance to seed colonization by <i>Aspergillus flavus</i> , aflatoxin contamination and yield	Dr. B. N. Harishbabu, COH, Hiriur	0.40 + 0.80	1.20
45	6.21	Development of Bitter gourd (<i>Momordica charantia</i> L.) genotypes for higher yield	Dr. Shashikala S. Kolakar, COH, Mudigere	0.00 + 0.80	0.80
				Total	6.50
7. PLANT PATHOLOGY					
46	7.10	Studies on morphology and organic management of leaf spot and die back of cinnamon caused by <i>Colletotrichum gloeosporioides</i>	Dr. H. Narayanaswamy, COA, Shivamogga	0.40 + 0.30	0.70
47	7.11	Studies on Root-Knot Nematode of FCV Tobacco with special reference to species and races	Dr. H. Ravindra, ZAHRS, Shivamogga	0.40 + 0.40	0.80
48	7.12	Studies on veinal mottle virus of chilli (<i>Capsicum annum</i> L.) in southern transitional zone Karnataka	Dr. R. Ganesh Naik, AHRS, Bavikere.	0.40 + 0.40	0.80
49	7.13	Molecular Diagnosis and identification of resistance to GBNV in Solanaceous vegetable crops	Dr. R. Ganesh Naik, AHRS, Bavikere.	0.60 + 0.40	1.00
50	7.14	Studies on brown leaf spot of FCV tobacco incited by <i>Alternaria alternata</i>	Dr. C. Karegowda, ZAHRS, Shivamogga	0.40 + 0.40	0.80

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51	7.15	Studies on Fungal Fruit Spot/ Fruit rot of pomegranate	Dr, Suresh D. Ekabote, COH, Hiriyr	0.40 + 0.40	0.80
52	7.16	Isolation and characterization of Trichoderma Isolates for Antagonistic activity against soil borne plant pathogens	Dr. B. Gangdhara Naik, COA, Shivamogga	0.40 + 0.40	0.80
53	7.17	Investigation on false smut of rice (<i>oryza sativa L.</i>) incited by <i>Ustilaginoidea virens</i> in Hilly and coastal zone of Karnataka	Dr. G.N. Hosagoudar, AHRS, Ponnampet	0.40 + 0.30	0.70
Total					6.40
8. SOIL SCIENCE AND AGRICULTURAL CHEMISTRY					
54	8.3	Influence of phosphorus levels and PSM seed treatment on phosphorus availability and productivity of maize and paddy in phosphorus rich acid soils	Dr. B.C. Dhananjaya, ZAHRS, Shivamogga	0.40 + 0.40	0.80
55	8.4	Effect of K levels and its split application on productivity of paddy and K status in soil	Mr. Jayaprakash, S.M, Brahmavar	0.40 + 0.40	0.80
56	8.5	Use efficiency of fertilizer on tomato under protected cultivation	Dr. L.B. Ashok, COH, Hiriyr	0.40 + 0.60	1.00
57	8.6	Assessment of carbon sequestration potential in different landuse systems in Virajpet taluk of Kodagu district	Dr. Ravikumar. D., COF, Ponnampet	0.40 + 0.60	1.00
Total					3.60

Need Based Staff Research Programmes 2018-19 (New) (ABAC/DAC: 103001/000366)

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1 Department of Agronomy					
1.	1.21	Studies on Green Manuring and Integrated Nutrient Management in Paddy at Hilly zone of Karnataka. (M.Sc)	Dr. M. Hanumanthappa	0.40 + 0.30	0.70
2.	1.22	Evaluation of Biofortified Crops through Fertifortification for Nutritional Security in Semi Arid Tropics. (Ph.D)	Dr. M. Dinesh kumar	0.60 + 0.40	1.00
3.	1.23	Economic Feasibility of sewage water on soil properties and productivity of Bhendi (<i>Abelmoschus esculentus</i> L. (Moench). (M.Sc)	Dr. M. Dinesh kumar	0.40 + 0.30	0.70
4.	1.24	Standardization of Agro techniques for Direct Seeded Rice (<i>Oryza sativa</i> L.) in Southern Transitional Zone of Karnataka. (M.Sc)	Dr. Narayana S. Mavarkar	0.40 + 0.30	0.70
5.	1.25	Study on Integrated Weed management practices on Direct Seeded Rice (<i>Oryza sativa</i> L.) in Southern Transitional Zone of Karnataka. (M.Sc)	Dr. Narayana S. Mavarkar	0.40 + 0.30	0.70
6.	1.26	Effect of Conjunctive use of sewage and normal water on performance of Groundnut (<i>Arachis hypogaea</i> L.) and soil properties. (M.Sc)	Dr. G.K. Girijesh	0.40 + 0.30	0.70
7.	1.27	Effect of Different Genotypes and Agronomic Practices on Growth and Yield of Groundnut (<i>Arachis hypogaea</i> L.) under Rainfed condition. (M.Sc)	Dr. C.J. Sridhara.	0.40 + 0.30	0.70
8.	1.28	Effect of Sewage water and Sludge on Soil properties and productivity of green chilli (<i>Capsicum annuum</i> L.) (M.Sc)	Dr. H.K. Veeranna	0.40 + 0.30	0.70
9.	1.29	Variability in Rainfall and Rice Production in Karnataka and its Association with El Nino Southern Oscillation.(M.Sc)	Dr. S. Sridhara	0.40 + 0.18	0.58
10.	1.30	Response of Rice to Humic acid application and graded dose of fertilizers in coastal zone of Karnataka. (M.Sc)	Dr. K.V. Sudheer Kamath	0.40 + 0.30	0.70
11.	1.31	Effect of schedule and stage of irrigation on growth and yield of direct seeded rice (<i>Oryza sativa</i> L.) under Bhadra command area. (M.Sc)	Dr. Kumara. O	0.40 + 0.30	0.70
12.	1.32	Performance of Ragi varieties under different Sowing dates in southern transition zone of Karnataka. (M.Sc)	Dr. Sunil.C	0.40 + 0.30	0.70
2. Department of Agril. Entomology					
13.	2.22	Studies on lepidopteran pests complex in Castor. (M.Sc)	Dr. B.K. Shivanna	0.40 + 0.30	0.70
14.	2.23	Studies on biogeography of white grub Spp. (Coleoptera: Scarabaeidae) in western Ghats of Karnataka , India. (Ph.D)	Dr. B.K. Shivanna	0.00 + 1.00	1.00

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15.	2.24	Population of dynamics and management of two spotted spider mites <i>Tetranychus urticae</i> Koch on Brinjal . (M.Sc)	Dr. S. Pradeep	0.40 + 0.30	0.70
16.	2.25	Studies on Biology, Population Dynamics and management of Aphids under elevated Co2 and temperature in Cowpea Agro Ecosystem. (Ph.D)	Dr. S. Pradeep	0.60 + 0.40	1.00
17.	2.26	Bio efficacy of insecticides and IIM against Chrysanthemum insect pests. (M.Sc)	Dr. L Hanumantharaya	0.40 + 0.30	0.70
18.	2.27	Studies on ecology, Molecular characterization and Management of sucking pests in Tomato (<i>Lycopersicon esculentum</i> Mill). (Ph.D)	Dr. B.C. Hanumanthaswamy	0.60 + 0.40	1.00
19.	2.28	Pest Complex of Marigold with special reference to the management of sucking pests. (M.Sc)	Dr. Jayalaxmi Narayan Hegde	0.40 + 0.30	0.70
20.	2.29	Affordable technique for managing Coffee stem borer, <i>Xylotrechus quadripes</i> Chevrolate (Coleoptera:Cerambycidae). (M.Sc).	Dr. Revanna Revannavar	0.40 + 0.30	0.70
21.	2.30	Diversity of fruit sucking moths (Erebidae: Lepidoptera) in Horticulture crops ecosystem and their management. (M.Sc)	Dr. Kalleshwaraswamy, C.M	0.40 + 0.30	0.70
22.	2.31	Molecular Characterization of Insect vectors transmitting viral diseases in Greengram (<i>Vigna-Radiata</i> (L.)) and their management. (Ph.D)	Dr. Kalleshwaraswamy, C.M	0.60 + 0.40	1.00
23.	2.32	Screening of <i>Garcinia gummigutta</i> Clones for insect pest occurrence. (M.Sc)	Dr. R.N. Kencharaddi	0.40 + 0.30	0.70
24.	2.33	Conservation of wild bee, <i>Apis dorsata</i> colonies.	Dr. R.N. Kencharaddi	0.00 + 0.60	0.60
25.	2.34	Bee forage resources and seasonal development <i>Apis cerana</i> colonies in Shivamogga district. (M.Sc)	Dr. R.N. Kencharaddi	0.40 + 0.30	0.70
26.	2.35	Insect pest complex in okra ecosystem with special reference to sucking pests and their management. (M.Sc)	Dr. Rajashekharappa. K.	0.40 + 0.30	0.70
27.	2.36	Insect pest complex in yard long bean with special reference to sucking pests and their management. (M.Sc)	Dr. Rajashekharappa. K.	0.40 + 0.30	0.70
28.	2.37	Evaluation of varieties and traps for management of Tomato leaf miner, <i>Tuta absoluta</i> . (M.Sc)	Dr. R. Girish	0.40 + 0.25	0.65
3. Department of Agril. Extension					
29.	3.10	Impact of Soil Health Card Scheme on Farmers of Shivamogga District. (M.Sc)	Dr. M. Sudheendra	0.40 + 0.30	0.70
30.	3.11	A study of Knowledge and adoption of paddy seed production farmers of Davangere district. (M.Sc)	Dr. Ramappa Patil	0.40 + 0.30	0.70

31.	3.12	A study on impact assessment of RAWEP and AELP in UAHS, Shivamogga. (M.Sc)	Dr. K. Amaresh Kumar	0.40 + 0.30	0.70
32.	3.13	Performance of Commodity Based Associations in Shivamogga District of Karnataka. (M.Sc)	Mr. Basavaraj Beerannavar	0.40 + 0.30	0.70
33.	3.14	An assessment of agricultural information dissemination by all India Radio, Bhadravathi.	Mr. Basavaraj Beerannavar	0.00 + 0.50	0.50
34.	3.15	A study on Impact of Custom Hiring Centre on Farmers in Chikkamagalur, Dist. (M.Sc)	Dr. A.T. Krishnamurthy	0.40 + 0.30	0.70
35.	3.16	A study on farmers perspective about irrigation system in Arecanut . (M.Sc)	Dr. Sahana, S.	0.40 + 0.30	0.70
36.	3.17	Evaluation of ornamental fish cultivation for creating opportunities to improve the economic sustainability of small and marginal Coffee growers of Kodagu. (M.Sc)	Dr. T.S Ganesh Prasad	0.00 + 0.50	0 P.T.O
4. Department of Forestry					
37.	4.3	Estimation of above ground biomass and carbon stock in different agroforestry practices in Mysuru district, Karnataka.(M.Sc)	Dr. G.M. Devagiri	0.40 + 0.50	0.90
38.	4.4	Identification of Economically Viable Agroforestry Practices in Mysuru district, Karnataka. (M.Sc)	Dr. G.M. Devagiri	0.40 + 0.50	0.90
39.	4.5	Diversity and Pollination in wild orchids of Kodagu. (M.Sc)	Dr. M. Jadeyegowda	0.40 + 0.30	0.70
40.	4.6	Studies on RET wild orchids and their Restoration in Kodagu. (M.Sc)	Dr. M. Jadeyegowda	0.40 + 0.30	0.70
41.	4.7	Creation of Database of Wild Edible Species of Kodagu district including nuts, pulps, shells and kernels.	Mr. Anantha Krishna K.S	0.00 + 0.40	0.40
42.	4.8	Propagation and Popularization of Important Wild Edible Fruit Species In Kodagu District, Karnataka. (M.Sc)	Dr. Sathish B.N	0.40 + 0.30	0.70
43.	4.9	Productivity assessment of different agroforestry practices in Southern Transitional zone of Karnataka.(M.Sc)	Mr. Maheshwarappa, V	0.40 + 0.30	0.70
44.	4.10	Studies on Effect of Planting Geometry on Growth and Yield of <i>Melia Dubia</i> in Southern parts of Karnataka. (M.Sc)	Mr. B.G. Nayak	0.40 + 0.30	0.70
45.	4.11	Effect of Age-gradation on Wood properties in <i>Melia Dubia</i> suitable for pulp and paper Industry. (M.Sc)	Mr. B.G. Nayak	0.40 + 0.30	0.70
5. Department of Horticulture					
46.	5.16	Standardization of Nutrition for Dragon fruit in southern transitional zone of Karanartaka. (M.Sc)	Dr. B. Hemla Naik	0.40 + 0.30	0.70
47.	5.17	Performance of Asiatic/ Oriental lily genotypes under Naturally Ventilated Poly house in transitional zone. (M.Sc)	Dr. B. Hemla Naik	0.40 + 0.50	0.90

48.	5.18	Performance of Gerbera genotypes under Naturally Ventilated Poly house in transitional zone. (M.Sc)	Dr. B. Hemla Naik	0.40 + 0.50	0.90
49.	5.19	Studies on spacing and fertigation in pole bean (<i>Phaseolus vulgaris</i> L.) under protected cultivation. (M.Sc)	Dr. Nagarajappa Adivappar	0.40 + 0.30	0.70
50.	5.20	Variability studies in bael (<i>Aegle marmelos Correa.</i>) using morphological and molecular markers. (M.Sc)	Dr. Nagarajappa Adivappar	0.40 + 0.30	0.70
51.	5.21	Standardization of propagation techniques for Jyotishmati and Suranti : Endangered medicinal plants. (M.Sc)	Dr. Raviraja Shetty. G	0.40 + 0.30	0.70
52.	5.22	Morphological and molecular characterization and evaluation of Bird's eye chilli (<i>Capsicum frutescens</i> L.) accessions. (M.Sc)	Dr. Bhoomika, H.R	0.40 + 0.00	0.40
53.	5.23	Collection, Characterisation and Genetic variability studies in ecotypes of Indian pennywort (<i>Centella asiatica</i> L.) under hill zone of Karnataka	Mr. C.S. Ravi	0.00 + 0.90	0.90
54.	5.24	Collocation, Conservation and Molecular Characterization of wild orchids of Western Ghats. (M.Sc)	Mr. Nataraj, S.K	0.40 + 1.60	2.00
55.	5.25	Standardization of vase tablet for longevity and quality of cut flowers. (M.Sc)	Dr. Kanthraj, Y	0.40 + 0.30	0.70
7. Department of Plant Pathology					
56.	7.18	“Bioecology and management of <i>Phytophthora meadii</i> causing fruit rot of Arecanut.” (Ph.D)	Dr. H. Narayanaswamy	0.60 + 0.40	1.00
57.	7.19	Studies on leaf spot diseases of Arecanut with special reference to anthracnose incited by <i>Colletotrichum gloeosporioides</i> in Karnataka . (M.Sc)	Dr. H. Narayanaswamy	0.40 + 0.30	0.70
58.	7.20	Molecular characterization of rice root knot nematode, <i>Meloidogyne Graminicola</i> Golden and Birchfield. (M.Sc)	Dr. H. Ravindra	0.40 + 0.30	0.70
59.	7.21	Investigation of wilt complex of tomato incited by <i>Meloidogyne incognita Fusarium oxysporum</i> and <i>Ralstonia solanacearum</i> under protected cultivation. (M.Sc)	Dr. H. Ravindra	0.40 + 0.30	0.70
60.	7.22	Detection host resistance and management of leaf curl disease of Tobacco (<i>Nicotiana tabacum</i> L.). (M.Sc)	Dr. R. Ganesha Naik	0.40 + 0.30	P.T.O 0.70
61.	7.23	Molecular Characterization, epidemiology and management of Tomato leaf curl virus in southern transition zone of Karnataka.	Dr. R. Ganesha Naik	0.00 + 0.90	0.90
62.	7.24	Molecular and Morphological studies on Gray blight of Coconut incited by Pestalotia sp.	Dr. Suresh D. Ekabote	0.40 + 0.30	0.70
63.	7.25	Screening of <i>Trichoderma</i> isolates for their potential biosorption of Copper and Iron in Malnad region of Karnataka. (M.Sc)	Dr. B. Gangadhara Naik	0.40 + 0.30	0.70
64.	7.26	Studies on viability of <i>Trichoderma asperillum</i> against soil borne plant pathogens in Tomato (M.Sc)	Dr. B. Gangadhara Naik	0.40 + 0.30	0.70

8. Department of Soil Science and Agril. Chemistry					
65.	8.7	Micro level land resource assessment of Nandipura mini-micro watershed of Southern Transition zone of Karnataka by using space technology.(Ph.D)	Dr. K.T. Gurumurthy	0.60 + 0.00	0.60
66.	8.8	Effect of different levels of fly Ash application on soil properties and growth and yield of Rice. (Ph.D)	Dr. G.N. Thippeshappa	0.60 + 0.40	1.00
67.	8.9	Conservation and utilization of crop wastes through Biochar and their effect on soil properties, growth and yield of Maize. (M.Sc).	Dr. G.N. Thippeshappa	0.40 + 0.30	0.70
68.	8.10	Influence of Areca husk bio-char on growth and yield of Maize and Soil properties. (M.Sc)	Dr. B.C. Dhananjaya	0.40 + 0.30	0.70
69.	8.11	Dynamics of P and K under rice – soybean cropping as influenced by Rice Hull Ash and P and K fertilizer levels.	Dr. B.C. Dhananjaya	0.00 + 0.60	0.60
70.	8.12	Studies on soil fertility status of arecanut gardens, nutrient concentration in leaf tissue and their relation to <i>hidi mundige</i> disease in Chitradurga district of Karnataka. (M.Sc)	Dr. Sarvajna. B. Salimath	0.40 + 0.30	0.70
71.	8.13	Effect of Fertigation Scheduling on Soil Nutrient dynamics, Growth, Yield and Quality of Banana in Southern transition Zone of Karnataka. (Ph.D)	Dr. Ganapathi	0.60 + 0.40	1.00
72.	8.14	Effect of Hydrogel on Soil Moisture Retention and Nutrient use efficiency in Groundnut in central zone of Karnataka. (M.Sc)	Dr. Parashurama Chandravamshi	0.40 + 0.30	0.70
73.	8.15	Characterization of irrigation water for suitability for irrigation and its impact on soil quality in Hiriya taluk.	Dr. Parashurama Chandravamshi	0.00 + 0.67	0.67
74.	8.16	Assessment of Soil Organic Carbon Fractions in different land use systems of Somavarpeta Taluk of Kodagu District. (M.Sc)	Mr. Ravikumar. D	0.40 + 0.30	0.70
75.	8.17	Spatial variability of Soil Organic Carbon under different land use systems in Sinaganahalli, Micro Watershed of Tarikere taluk. (M.Sc)	Mr. Ravikumar. D	0.40 + 0.30	0.70
9. Department of Agricultural Engineering					
76.	9.1	Application of Thermal imaging for irrigation Scheduling in Coffee based System.	Er. Shobha. S	0.00 + 0.70	0.70
TOTAL					56.60

Need Based Staff Research Programmes 2018-19 (Continued) (ABAC/DAC: 103001/000366)

Sl.No	DR .No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
1 Department of Agronomy					
1.	1.12	Agronomic investigation on Nutrient Management and Planting Geometry In Sweet Corn For Southern Transition Zone of Karnataka. (Ph.D)	Dr. Narayana S. Mavarkar	0.60 + 0.40	1.00
2.	1.13	Influence of humic acid–bio-stimulant on biomass, nutrient uptake and quality of soybean.	Dr. G.K. Girijesh	0.00 + 0.30	0.30
3.	1.15	Nutrient management practice in Maize + Pole bean intercropping system for sustainable maize production. (Ph.D)	Dr. H.K. Veeranna	0.60 + 0.40	1.00
4.	1.16	Characterization of frequency and occurrence of drought and evaluation of drought management options for maize under rain fed conditions.	Dr. S. Sridhara	0.00 + 0.30	0.30
2. Department of Entomology					
5.	2.8	Pest complex of cucumber with special references to ecology and evolving different management modules against two spotted spider mite. (2.8) .(Ph.D)	Dr. M. Manjunatha	0.60 + 0.40	1.00
6.	2.11	Seasonal incidence, varietal evaluation and management of cardamom thrips, <i>Sciothrips cardamomi</i> ".	Dr. Hanumantharaya. L	0.00 + 0.30	0.30
7.	2.12	Evaluation of new insecticide against paddy caseworm.	Dr. Hanumantharaya. L	0.00 + 0.30	0.30
8.	2.2	Evaluation and utilization of fungal bio control agents for the management of sucking pest of capsicum under protected conditions.	Dr. Hanumantharaya. L	0.00 + 0.30	0.30
9.	2.6	Estimation of Yield loss due to borer incidence in Jasmine and their management.	Dr. Jayalaxmi Narayana Hegde	0.00 + 0.30	0.30
10.	2.14	Management of aphids in field bean, <i>Lablab purpurius</i> .	Dr. Jayalaxmi Narayana Hegde	0.00 + 0.30	0.30
11.	2.17	Management of vector borne viruses infecting potato.	Dr. Kalleshwaraswamy, C.M	0.00 + 0.60	0.60
12.	2.20	Studies on pest complex and Management of cucurbit pests with special reference to fruit fly, <i>Bactrocera cucurbitae</i> (Coquillett). (2.20)	Ms. Suchithra kumari, M.H.	0.00 + 0.50	0.50

5. Department of Horticulture					
13.	5.1	Studies on effect of growth regulators on growth, suckering and flowering of Anthurium cv. Tropical. (5.1)	Dr. Chandrashekar S.Y	0.00 + 0.30	0.30
14.	5.9	Evaluation of Chrysanthemum genotypes for garden display and commercial cultivation. (5.9)	Dr. Chandrashekar S.Y	0.00 + 0.30	0.30
15.	5.14	Influence of plant growth promoting rhizo microorganisms and growth hormones on root and shoot growth of plageotropic cuttings of Black pepper (<i>Piper nigrum</i> L.).	Dr. Bhoomika, H.R	0.00 + 0.20	0.20
6. Department Genetics and Plant Breeding					
16.	6.1	Identification of Tolerant rice genotypes under submergence in rainfed lowlands of Karnataka (6.1). (M.Sc)	Dr. Dushyantha kumar B.M	0.40 + 0.30	0.70
17.	6.2	Evaluation of rice segregating population to identify superior blast resistant genotypes for yield traits and blast reactions. (6.2)	Dr. Dushyantha kumar B.M	0.00 + 0.30	0.30
18.	6.5	Identification of stable rice variety in advanced breeding lines of rice across different agro climatic situations. (6.5)	Dr. Dushyantha kumar B.M	0.00 + 0.30	0.30
19.	6.17	Morphological and physiological characterization of rice genotypes under salt stress condition. (6.17). (M.Sc)	Dr. Dushyantha kumar B.M	0.40 + 0.30	0.70
20.	6.18	Collection, conservation, Morphological characterization and assessment of GXE of traditional varieties based on DUS guidelines. (6.18)	Dr. Dushyantha kumar B.M	0.00 + 0.30	0.30
21.	6.6	Development of high yielding and resistant lines to sucking pest by induced mutagenesis in Okra. (M.Sc) (6.6)	Dr. Gangaprasad. S.	0.40 + 0.30	0.70
22.	6.7	Development high yielding cucumber (cucumis sativus L.) hybrids (6.7)	Dr. Gangaprasad. S.	0.00 + 0.30	0.30
23.	6.8	Development of Brinjal (<i>Solanum melongena</i> L.) genotypes for productivity and tolerance to fruit and shoot borer.(6.8)	Dr. Gangaprasad. S.	0.00 + 0.30	0.30
24.	6.9	Development of high yielding Greengram (vigna radiata) (L). Walp genotypes. (6.9)	Dr. Gangaprasad. S.	0.00 + 0.30	0.30
25.	6.19	Development of productivity and appreciable keeping quality lines in Tomato. (M.Sc) (6.19) One objective.	Dr. Gangaprasad. S.	0.40 + 0.30	0.70
26.	6.19 (a)	Development of productivity and appreciable keeping quality lines in Tomato. (M.Sc) (6.19) another objective.	Dr. Gangaprasad. S.	0.40 + 0.30	0.70
27.	6.20	“Screening and evaluation of groundnut germplasm for resistance to seed colonization by <i>Aspergillus flavus</i> , aflatoxin contamination and yield” (6.20)	Dr. B.N. Harish Babu	0.00 + 0.50	0.50
8. Department of Soil Science and Agril. Chemistry					
28.	8.5	Use efficiency of fertilizer on tomato under protected cultivation. (8.5)	Dr. L.B. Ashok	0.00 + 0.60	0.60
TOTAL					13.40

Need Based Research Programmes of Staff Research Projects 2019-20 (New) (ABAC/DAC: 103001/000366)

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)	Under taking
1. Department of Agronomy						
1.	1.33	Effect of granulated lime and bio-inoculants on productivity of Paddy (oryza sativa L.) under hill zone of Karnataka (Vignesh : M.Sc)	Dr. M. Hanumanthappa	0.36 + 0.40	0.76	*
2.	1.35	Integrated weed management in Kharif Groundnut (<i>Arachis hypogeal L.</i>) in central dry zone of Karnataka. (Venkateshwara. R. : M.Sc)	Dr. Kumar Naik. A.H.	0.36 + 0.40	0.76	*
2. Department of Agril. Entomology						
3.	2.38	Evaluation of natural enemy diversity in organic and inorganic paddy ecosystem. (Arpana. N.S : M.Sc)	Dr. S. Pradeep	0.36 + 0.40	0.76	*
4.	2.39	Species diversity and molecular characterization of mealybugs (Hemiptera: Pseudococcidae) for major horticultural crops. (Kavya. Yadav: Ph.D)	Dr. Jayalaxmi Narayana Hegde	0.54 + 0.50	1.04	-
5.	2.40	Insect and mite pests complex of major green leafy vegetables with special reference to Amaranthus, Methi and Palak. (Manjushree : M.Sc)	Dr. Jayalaxmi Narayana Hegde	0.36 + 0.40	0.76	-
6.	2.41	Management of forest nursery inspect pests using entomopathogens. (Basavaraj : M.Sc)	Dr. R.N. Kencharaddi	0.36 + 0.40	0.76	-
7.	2.42	Bee forage resources and Mellisopallinology of honey of Kodagu district. (Nidhi : M.Sc)	Dr. R.N. Kencharaddi	0.36 + 0.40	0.76	-
8.	2.44	Studies on the acaricidal resistance in two spotted spider mite, Tetranychus urticae infesting tomato. (Moeen : M.Sc)	Dr. Rajashekarappa. K	0.36 + 0.40	0.76	-
9.	2.45	Evaluation of insecticides against Sapota seed borer, Trymalitis margarias Meyrick. (Bharathi Jambunath Patil : M.Sc)	Ms. M.H. Suchithrakumari	0.36 + 0.40	0.76	-
10.	2.46	Pest complex of citrus and management of citrus leaf miner, <i>Phyllocnistis citrella</i> station. (Prabhudev : M.Sc)	Ms. M.H. Suchithrakumari	0.36 + 0.40	0.76	-
11.	2.49	Non-apls bees fauna in and around cultivated ecosystems of western ghats of Karnataka. (Sanath : M.Sc)	Dr. Revanna Revanavar	0.36 + 0.40	0.76	-
12.	2.50	Studies on incidence and management of apple and nut borer, <i>Thylocoptila panrosema</i> (Pyralidae: Lepidoptera) in Cashew. (Vinay :M.Sc)	Dr. R. Girish	0.36 + 0.40	0.76	-

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)	Under taking
3. Department of Agril. Extension						
13.	3.18	A study on adoption of new technologies of beetle vine cultivation in Davanagere District of Karnataka. (Subhash. V. : M.Sc)	Dr. Ramappa Patil	0.36 + 0.40	0.76	-
14.	3.19	A study on impact of Krishi Bhagya Scheme on the beneficiaries of Shivamogga District. (Chaitra. N.R. : M.Sc)	Mr. Basavaraj Beerannavar	0.36 + 0.40	0.76	*
15.	3.20	Attitude of farmers towards cage culture and its impact on livelihood of fisherman in Udupi district. (Monesh B.Y : M.Sc)	Dr. Sahana, S.	0.36 + 0.40	0.76	*
4. Department of Forestry						
16.	4.12	Mapping of trees outside forests using high resolution synthetic aperture radar (L Bands) satellite data. (Naveen .N: M.Sc)	Dr. G.M. Devagiri	0.36 + 0.40	0.76	-
17.	4.13	Study on diversity and morphological characterization of fern flora in sacred groves of Kodagu, Central western ghats. (Suraj :M.Sc)	Dr. M. Jadeyegowda	0.36 + 0.40	0.76	-
18.	4.14	Selection of candidate plus trees (CPT) in <i>chrysophyllum roxbergii</i> using morphometric and biochemical traits from Kodagu district. (Kavya: M.Sc)	Dr. Sathish B.N	0.36 + 0.40	0.76	-
19.	4.15	Performance of <i>casuarina junghuniana</i> clones under different agro-climatic conditions. (Deepthi Dechamma, N .L.: M.Sc)	Dr. Ramakrishna Hegde	0.36 + 0.40	0.76	-
20.	4.16	Clonal technology for productivity enhancement of melia dubia in Iruvakki region. (Nayana H. M.Sc)	Mr. Ashok. B. Divatar	0.36 + 0.40	0.76	-
5. Department of Horticulture						
21.	5.26	Effect of harvesting time on content of marigold xanthophylls and standardization of petal meal for pigmentation of egg yolk (Navya V.G : M.Sc)	Dr. B. Hemla Naik	0.36 + 0.40	0.76	*
22.	5.28	Conservation and propagation studies in selected medicinal plant-Aristolochia tagada. (Rajani Bhat : M.Sc) (One objective)	Dr. Raviraja Shetty. G	0.36 + 0.40	0.76	-
23.	5.28 (a)	Conservation and propagation studies in selected medicinal plant- Alpinia galanga. (Pooja. D.A. : M.Sc) (another objective)	Dr. Raviraja Shetty. G	0.36 + 0.40	0.76	-

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)	Under taking
24.	5.29	Effect of different media and nutrient levels on yield and quality of Ginger (<i>Zingiber Officinale L.</i>) in soilless culture under protected structure. (Supriya G.S.: M.Sc)	Dr. Bhoomika, H.R	0.36 + 0.40	0.76	-
25.	5.30	Regeneration of an endangered orchid <i>vanda thwaitesii</i> . (Kirankumar. H. : M.Sc)	Mr. Nataraj, S.K	0.36 + 0.40	0.76	-
26.	5.31	Evaluation of Aonla (<i>Emvlica Officinalis G.</i>) cultivars for value addition. (Pavitra. G : M.Sc)	Dr. Kanthraj, Y	0.36 + 0.40	0.76	-
27.	5.32	Effect of moisture stress on performance of Chia (<i>Salvia hispanica L.</i>) (Shivashankar : M.Sc)	Mr. Sadashiv Nadukeri	0.36 + 0.40	0.76	-
28.	5.33	Effect of pinching and foliar application of nitrogen on growth and yield of stevia (<i>stevia rebaudiana</i>) under hill zone of Karnataka. (Manohara Naik : M.Sc)	Mr. Sadashiv Nadukeri	0.36 + 0.40	0.76	-
29.	5.34	Effect of foliar sprays of organic on growth, yield and quality of coorg mandarin. (Mallikarjuna. : M.Sc)	Mr. Yallesh Kumar. H.S.	0.36 + 0.40	0.76	-
30.	5.35	Studies on effect of different sources and levels of sulphur on growth, yield and quality of Onion (<i>Allium Cepa</i>) under central dry Zone of Karnataka. (Raghavendra : M.Sc)	Dr. P. Umamaheshwarappa	0.36 + 0.40	0.76	-
31.	5.36	Development of high yielding garden pea varieties suitable for Hill Zone. (Veena Goni: M.Sc)	Mr. Devaraju	0.36 + 0.40	0.76	-
32.	5.37	Performance of onion genotypes under hill zone of Karnataka. (Manjunath :M.Sc)	Mr. Devaraju	0.36 + 0.40	0.76	-
33.	5.38	Improvement of tomato for higher yielding and quality through hybridization under hill zone. (Kiran T.P. : M.Sc)	Dr. V. Srinivasa	0.36 + 0.40	0.76	-
6. Department of Genetics and Plant Breeding						
34.	6.21	Evaluation of Groundnut mini core collection for growth and yield parameters and validation of DNA markers liquid to late leaf spot resistance (Hiremathada Gangadhar : M.Sc)	Dr. B.N. Harish Babu	0.36 + 0.40	0.76	-
35.	6.22	Estimation of heterosis and combining ability studies in cucumber (<i>cucumis sativus</i>) (Mr. Haleshkumar : M.Sc)	Dr. M. Narayanaswamy	0.36 + 0.40	0.76	-

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)	Under taking
36.	6.23	Stability analysis of doubled haploid lines (DH) of Chilli (<i>Capsicum annuum L.</i>) Cv Byadagi dabbi. (Naveen Kumar. G: M.Sc)	Dr. H.D. Mohan Kumar	0.36 + 0.40	0.76	*
37.	6.24	Crop improvement in Solanaceous vegetables (Tamoto, Chilli, Brinjal) for central dry zone of Karnataka (Praveen :M.Sc)	Smt. Dhanalakshmi.T.N	0.36 + 0.40	0.76	-
7. Department of Plant Pathology						
38.	7.27	Investigation of guava wilt complex incited by Meloidogyne enterolobii and Fusarium oxysporum f.sp. psidii. (Basayya : M.Sc)	Dr. H. Ravindra	0.36 + 0.40	0.76	*
39.	7.28	Studies for the incidence of rice root knot nematode (<i>Meloidogyne graminicola</i>) in direct seeded rice growing areas. (Pooja. R.M : M.Sc)	Dr. H. Ravindra	0.36 + 0.40	0.76	*
40.	7.29	Host preference, detection and management of Mungbean Yellow mosaic virus in mungbean (<i>Vigna radiata L.</i>) (Sofisharmath : M.Sc)	Dr. R. Ganesha Naik	0.36 + 0.40	0.76	*
41.	7.30	Studies of grain discolouration on paddy in hill zone of Karnataka. (Kiranakumara : M.Sc)	Dr. G.N. Hosagoudar	0.36 + 0.40	0.76	-
Total					31.44	

Need Based Research Programmes of Staff Research Projects 2019-20 (Continued) (ABAC/DAC: 103001/000366)

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
1. Department of Agronomy					
1.	1.24	Standardization of Agro-techniques of yield maximization of Direct seeded Rice under limited water resource in Southern transitional zone of Karnataka	Dr. Narayana S. Mavarkar	0.00 + 0.50	0.50
2.	1.22	Evaluation of pearl millet and pigeonpea cultivars through fertifortification for nutritional security in semi arid tropics. (Jeevan lakshmi, Ph.D)	Dr. Dinesh Kumar	0.54 + 0.50	1.04
3.	1.31	Weed management in Direct Seeded Rice under Bhadra Command Area	Dr. Kumar. O.	0.00 + 0.50	0.50
2. Department of Entomology					
4.	2.32	Screening of <i>Garcinia gummigutta</i> Clones for insect pest occurrence.	Dr. R.N. Kencharaddi	0.00 + 0.50	0.50
5.	2.33	Conservation of wild bee, <i>Apis dorsata</i> colonies.	Dr. R.N. Kencharaddi	0.00 + 0.50	0.50
4. Department of Forestry					
6.	4.5	Diversity and Pollination in wild orchids of Kodagu.	Dr. M. Jadegowda	0.00 + 0.50	0.50
7.	4.6	Studies on RET wild orchids and their Restoration in Kodagu.	Dr. M. Jadegowda	0.00 + 0.50	0.50
8.	4.8	Propagation and Popularization of Important Wild Edible Fruit Species in Kodagu District, Karnataka.	Dr. Satish, B.N	0.00 + 0.50	0.50
5. Department of Horticulture					
9.	5.10	Studies on fertigation and mulching in pole bean (<i>Phaseolus vulgaris L.</i>) under naturally ventilated polyhouse.	Dr. Nagarajappa Adivappar	0.00 + 0.50	0.50
10.	6.7	Development of high yielding cucumber (<i>cucumis sativus L.</i>) hybrids	Dr. Nagarajappa Adivappar	0.00 + 0.50	0.50
11.	5.25	Standardization of vase tablet for longevity and quality of cut flowers.	Dr. Kantharaj. Y	0.00 + 0.50	0.50
12.	6.1	Identification of Tolerant rice genotypes under submergence in rainfed lowlands of Karnataka (Sachin Kumar). Ph.D	Dr. Dushyantha kumar B.M	0.00+0.50	0.50
13.	6.2	Evaluation of rice segregating population to identify superior blast resistant genotypes for yield traits and blast reactions.	Dr. Dushyantha kumar B.M	0.00+0.50	0.50
14.	6.5	Identification of stable rice variety in advanced breeding lines of rice across different agro climatic situations.	Dr. Dushyantha kumar B.M	0.00+0.50	0.50

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
15.	6.17	Morphological and physiological characterization of rice genotypes under salt stress condition or DSR method.	Dr. Dushyantha kumar B.M	0.00+0.50	0.50
16.	6.18	Collection, conservation, Morphological characterization and assessment of GXE of traditional varieties based on DUS guidelines.	Dr. Dushyantha kumar B.M	0.00+0.50	0.50
17.	6.6	Development of high yielding and resistant lines to sucking pest by induced mutagenesis in Okra.	Dr. Gangaprasad. S.	0.00+0.50	0.50
18.	6.8	Development of Brinjal (<i>Solanum melongena L.</i>) genotypes for productivity and tolerance to fruit and shoot borer.	Dr. Gangaprasad. S.	0.00+0.50	0.50
19.	6.9	Development of high yielding Greengram (<i>vigna radiata</i>) (L). Walp genotypes.	Dr. Gangaprasad. S.	0.00+0.50	0.50
20.	6.19 (b)	Development of productivity and appreciable keeping quality lines in Tomato: Variability and correlation studies	Dr. Gangaprasad. S.	0.36 + 0.40	0.76
21.	6.19 (c)	Development of productivity and appreciable keeping quality lines in Tomato: Heterosis and combining ability studies	Dr. Gangaprasad. S.	0.00 + 0.50	0.50
7. Department of Plant Pathology					
22.	7.18	Bioecology and management of <i>Phytophthora meadiei</i> causing fruit rot of Arecanut.	Dr. H. Narayanaswamy	0.00 + 0.50	0.50
8. Department of Soil Science and Agril. Chemistry					
23.	8.9	Conservation and utilization of crop wastes through Biochar and their effect on soil properties, growth and yield of Maize. (Jyothishree : M.Sc).	Dr. G.N. Thippeshappa	0.36 + 0.40	0.76
24.	8.5	Use efficiency of fertilizer on tomato under protected cultivation	Dr. L.B. Ashok	0.00 + 0.50	0.50
25.	8.14	Effect of Hydrogel on Soil Moisture Retention and Nutrient use efficiency in Groundnut and Redgram under rainfed condition.	Dr. Parashuram Chandravamshi	0.00 + 0.50	0.50
Total					13.56

Need Based Research Programmes of Staff Research Projects 2020-21 (New) (ABAC/DAC:103001/000366)

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
1. Department of Agronomy					
1.	1.36	Study on effect of water soluble fertilizer and PGPR on growth and yield of Groundnut (<i>Arachis hypogea</i>) under rainfed condition	Dr. Narayana. S. Mavarkar	0.28 +0.25	0.53
2.	1.37	Effect of date sowing on performance of Chia (<i>Salvia hispanica</i> L.) genotypes (old) Effect of foliar application of humic acid with varied nutrient levels on performance of sweet corn (New)	Dr. M. Hanumanthappa	0.28 +0.25	0.53
3.	1.38	Effect of different levels of N nano fertilizers on growth and yield of Maize	Dr. H.G. Sannathimmappa	0.28 +0.25	0.53
4.	1.39	Performance of paddy cultivars under different farming types in submerged situation	Dr. H.K. Veeranna	0.28 +0.25	0.53
5.	1.40	Effect of foliar nutrition in millet	Dr. A.Y. Hugar	0.28 +0.25	0.53
6.	1.41	Studies on influence of novel weedicides on transplanted chilli (<i>Capsicum annum</i> L.) (old) Effect of water soluble fertilizer on growth, quality and yield of green chilli under hill zone of Karnataka (New)	Dr. Shivaprasad. S	0.28 +0.25	0.53
7.	1.42	Performance of teff as influenced by fertilizer levels and spacing	Dr. S. Sridhara	0.28 +0.25	0.53
8.	1.43	Performance of tomato as influenced by land configuration, mulching and biochar applications (old) Influence of mulching materials, Bio-char and biostimulants on micrometeorological parameters on growth and yield of tomato (New)	Dr. S. Sridhara	0.00 + 0.25 (Old) 0.42 + 0.25 (New)	0.25 0.65
9.	1.44	Influence of pink pigmented methylotropic bacteria and <i>Azospirillum</i> on N, P and K use efficiency in maize	Dr. M. Dinesh Kumar	0.00 + 0.25	0.25
2. Department of Agril. Entomology					
10.	2.51	Studies on Scarab faunal diversities in different ecosystems of Dhakshina Kannada district of Karnataka (old) Taxonomic studies on the genus <i>Adoretus</i> (Coleoptera: Scarabaeidae: Ruteline: Adoretini) of India (New)	Dr. B.K. Shivanna	0.28 +0.25	0.53
11.	2.52	Taxonomic studies on tribe Saperdini of Lamiinae of Cerambycidae (Coleoptera)	Dr. B.K. Shivanna	0.28 +0.25	0.53
12.	2.53	Termite fauna in coastal Karnataka with special reference to pest status of termites in coconut farming systems	Dr. C.M. Kalleshwaraswamy	0.28 +0.25	0.53

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
13.	2.54	Evaluation of sand mixed insecticides and poison baits against fall armyworm, <i>Spodoptera frugiperda</i>	Dr. C.M. Kalleshwaraswamy	0.00 + 0.25	0.25
14.	2.55	Field efficacy botanicals against fall armyworm in maize	Dr. Sharanabasappa	0.28 +0.25	0.53
15.	2.56	Estimation of yield loss and EIL and management of pod borer complex on yard long bean	Dr. Rajashekarappa. k	0.28 +0.25	0.53
16.	2.57	Population dynamics and management of Rugose Spiralling Whitefly, <i>Aleurodicus rugioperculatus</i> Martin in coconut	Dr. Jayalakshmi Narayan Hegde	0.28 +0.25	0.53
3. Department of Agril. Extension					
17.	3.21	Gender discrimination in Dairy Farming in Shivamogga district	Dr. Sahana. S.	0.28 +0.25	0.53
18.	3.22	Production and marketing constraints of Onion in Chitradurga district of Karnataka	Dr. K. Amareshkumar	0.28 +0.25	0.53
19.	3.23	Adoption behavior of vegetable growers in Somawarpet Taluk of Kodagu district	Dr. T.S Ganesh Prasad	0.00 + 0.25	0.25
20.	3.24	Usefulness of Negilamidita magazine in dissemination of agricultural technology in Shivamogga district (old) Perception and usefulness of Negila Medita farm magazine(New)	Dr. M. Sudheendra	0.28 +0.25	0.53
21.	3.25	Study on Adoption gap in pepper cultivation practices	Dr. Basavaraj Beerannavar	0.28 +0.25	0.53
22.	3.26	A study on Farm Technologies adopted by the Krishi Awardee Farmers of Davangere Dist.	Dr. Ramappa Patil	0.28 +0.25	0.53
23.	3.27	Assessment of migration pattern to coffee estate among the farm families in Chikmagalur District during COVID-19 pandemic.	Dr. A.T. Krishnamurthy	0.28 +0.25	0.53
24.	3.28	Empowerment of women through Udupi Jasmine cultivation in Udupi district	Dr. B. Dhananjaya	0.28 +0.25	0.53
4. Department of Forestry					
25.	4.17	Performance of <i>Dendrocalamus brandisii</i> (Munro Kurz) based agroforestry practices in tropical humid regions of Karnataka	Dr. Ramakrishna Hegde	0.42 + 0.25	0.67
26.	4.18	Influence of different arbuscular mycorrhizal fungi, host plants and potting mixture on early growth of sandal (<i>Santalum album</i>) seedlings	Dr. Maheswarappa, V	0.28 +0.25	0.53
5. Department of Horticulture					
27.	5.39	Standardization on nutrition on growth, yield and quality of Indian Noni (<i>Morinda citrifolia</i>) under transitional zone of Karnataka	Dr. D. Thippesha	0.28 +0.25	0.53
28.	5.40	Standardization of harvesting stage and components for pineapple jam preparation	Dr. Kantaraj. Y.	0.28 +0.25 (old) 0.00 + 0.53 (New)	0.53

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
29.	5.41	Effect of NAA and ethephon on flowering and yield on Cashew varieties (<i>Anacardium occidentale</i> L) varieties	Mr. Sadashiv Nadukeri	0.28 +0.25	0.53
30.	5.42	Performance of Pole type Dolichos bean genotype for yield and quality under hill zone of Karnataka	Dr. V. Srinivasa	0.28 +0.25	0.53
31.	5.43	Assessment of carbon sequestration potential and productivity in arecanut (<i>Areca catechu</i> L.) + Coffee (<i>Coffea spp.</i>) cropping system of Mudigere taluk under hill zone of Karnataka	Dr. Bhoomika.H.R	0.28 +0.25	0.53
32.	5.44	Effect of different nutrient levels, media and growth regulators on yield and quality of ginger (<i>Zingiber officinale</i> L.) in soilless culture	Dr. Bhoomika.H.R	0.28 +0.25	0.53
33.	5.45	Effect of bunch covers on yield and quality of Banana cv. Ney poovan under HDP in hill zone of Karnataka	Dr. Yallesh Kumar.H.S.	0.28 +0.25	0.53
34.	5.46	Propagation and cryopreservation studies in <i>Oroxylum indicum</i> : A medicinal tree	Dr. Raviraja Shetty. G.	0.28 +0.25	0.53
35.	5.47	Characterization and propagation studies in <i>Ravoulfia tetraphylla</i> L.	Dr. Raviraja Shetty. G	0.28 +0.25	0.53
36.	5.48	Exploration and identification of elite accessions of kokum (<i>Garcinia indica Thouars Choisy</i>) from coastal zone of Karnataka	Mr. Chaitanya. H.S.	0.28 +0.25	0.53
37.	5.49	Evaluation of Muskmelon different genotypes for growth, yield and quality under central dry zone of Karnataka	Dr. P. Umamaheshwarappa	0.28 +0.25	0.53
38.	5.50	Studies on germination of Macadamia nut (<i>Macadamia integrifolia</i>)	Dr. Nagarajappa Adivappar	0.28 +0.25	0.53
39.	5.51	Evaluation of Yard Long Bean Genotypes for Southern Transition Zone (old) Performance of aonal genotypes on yield and quality traits (New)	Dr. Nagarajappa Adivappar	0.28 +0.25	0.53
40.	5.52	Response of China aster (<i>Callistephus chinensis</i> (L) Nees.) to phosphorus solubilizing and mobilizing bio-inoculants with graded levels of phosphorus	Dr. B. Hemla Naik	0.28 +0.25	0.53
41.	5.53	Effect of biostimulants on growth, yield and quality of bottle guard (<i>Lagenaria siceraria</i> (Molina) Standl.) under Southern Transitional Zone of Karnataka	Dr. B. Hemla Naik	0.28 +0.25	0.53
42.	5.54	Standardization nutrition for Lupine (<i>Lupinus perennis</i> L.) cut flower under hill zone of Karnataka	Dr. B. Hemla Naik	0.28 +0.25	0.53
43.	5.55	Standardization N, P ₂ O ₅ and K ₂ O for spider lily (Hymenocallis sp. (L.) Syn Lycoris radiate } under hill zone of Karnataka	Dr. B. Hemla Naik	0.28 +0.25	0.53
44.	5.56	Collection and evaluation of different genotypes of colacasia under hill zone of Karnataka	Mr. Devaraju	0.28 +0.25	0.53
45.	5.57	Assessment of onion varieties for yield and dehydrations attributes	Dr. Prakash Kerure	0.28 +0.25	0.53
46.	5.58	Morphological and molecular characterization of Jasmine ecotypes	Mr. Nataraj. S.K	0.28 + 0.95 (0.25.+0.70)	1.23

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
6. Department of Genetics and Plant Breeding					
47.	6.25	Stability analysis of doubled haploid lines (DH) of chilli (<i>Caosicum annuum L</i>) cv. Byadagi Dabbi (old) Development of high yielding Blackgram genotypes (New)	Dr. H.D Mohan Kumar	0.28 +0.25	0.53
48.	6.26	Heterosis studies in chilli (<i>Caosicum annuum L.</i>)	Dr. Shashikala Kolakar	0.28 +0.25	0.53
49.	6.27	Evaluation of elite Bengal gram genotypes and their stability analysis	Dr. B.N. Harish Babu	0.28 +0.25	0.53
7. Department of Plant Pathology					
50.	7.31	Investigations on indigenous nematophagous fungi infecting <i>Meloidogynespp</i>	Dr. H. Ravindra	0.28 +0.25	0.53
51.	7.32	Studies on powdery mildew of Bhendi incited by <i>Erysiphe cichoracearum</i> DC.	Dr. R. Ganesha Naik	0.28 +0.25	0.53
52.	7.33	Studies on isolation of endophytes from banana and their efficacy against <i>fusarium oxysporum</i> f.sp. <i>cubens</i>	Dr. R. Ganesha Naik	0.28 +0.25	0.53
53.	7.34	Investigations on septoria leaf spot of Tomato incited by <i>Septoria lycopersici</i> speg.	Dr. R. Ganesha Naik	0.28 +0.25	0.53
54.	7.35	Molecular detection and Variability of leaf curl virus infecting Gourds	Dr. R Ganesha Naik	0.28 +0.25	0.53
55.	7.36	Morphological and molecular characterization of blight of tuberose	Dr. Suresh Ekabote	0.28 +0.25	0.53
8. Department of Soil Science and Agril. Chemistry					
56.	8.18	Characterization and delineation of salt affected soils of Hiriyur and Challakere taluks, Chitradurga district, using Remote Sensing and GIS technique.	Dr. Sarvajna.B. Salimath	0.00 + 0.25	0.25
57.	8.19	Characterization of soils under submerged land use cover of Varada river basins of Shivamogga district	Dr. Ganapathi	0.28 +0.25	0.53
58.	8.20	Potassium management for improving productivity of rainfed maize and its effect on potassium status of soil	Dr. G.N. Thippeshappa	0.28 +0.25	0.53
59.	8.21	Effect of different levels of ferigation on growth and yield of Capsicum under polyhouse condition.	Dr. L.B. Ashok	0.00 + 0.25	0.25
60.	8.22	Assessment of carbon dynamics of different vegetation types of Kodagu district	Mr. Ravikumar .D	0.28 +0.25	0.53

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
9. Department of Agricultural Engineering					
61.	9.11	Influence of irrigation and plastic mulch on growth, yield and water use efficiency of cucumber under protected structure.	Er. Basavarajappa Bhogi	0.00 + 0.25	0.25
62.	9.12	Fertigation studies on cucumber under protected structure	Er. Basavarajappa Bhogi	0.00 + 0.25	0.25
10. Department of Agril. Economics					
63.	10.01	An economic impact of milk incentive price scheme on dairy farming	Mr. Y.S Ramesh	0.00 + 0.25	0.25
64.	10.02	Integrated farming systems for livelihood security under land agriculture in Chitradurga district of Karnataka	Dr. Raveesh	0.00 + 0.25	0.25
11. Department of Fisheries					
65.	11.01	To Assess the production performance of grass carp and pacu fish fingerlings when partially replaced the halawana leaf as a feed under rearing system in hill zone of Karnataka	Dr. A.V. Swamy	0.00 + 0.25	0.25
66.	11.02	Assessment of trawl bycatch reduction process and its utilization along Dakshina Kannada and Udupi districts of Karnataka	Mr. Shrinivas H. Hulkoti	0.00 + 0.25	0.25
12. Department of Agricultural Microbiology					
67.	12.01	Production and Popularization of oyster mushroom for the upliftment of rural youths and women in the Central Dry Zone (Zone-4) of Karnataka	Dr. D.A.Sumana	0.00 + 0.25	0.25
Total					32.01 (old) 33.13 (New)

Need Based Research Programmes of Staff Research Projects 2020-21 (Continued) (ABAC / DAC : 103001 / 000366)

Sl. No.	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
1. Department of Entomology					
1.	2.39	Species diversity and molecular characterisation of mealybugs for major horticultural crops Palak	Dr. Jayalakshmi Narayan Hegde	0.42 + 0.25	0.67
2.	2.44	Studies on the acaricidal resistance in two spotted spider mite, <i>Tetranychus urticae</i> infesting tomato	Dr. Rajashekarappa	0.00 + 0.25	0.25
2. Department of Horticulture					
3.	5.10	Studies on fertigation and mulching in pole bean (<i>Phaseolus vulgaris L.</i>) under naturally ventilated polyhouse.	Dr. Nagarajappa Adivappar	0.00 + 0.25	0.25
4.	5.59	Effect of growth regulators and medias on Macro propagation of Banana by mini set technique (Ney Poovan).	Dr. Yallesh Kumar.H.S	0.00 + 0.25	0.25
3. Department of Genetics and Plant Breeding					
5.	6.2	Evaluation of rice segregating population to identify superior blast resistant genotypes for yield traits and blast reactions.	Dr. Dushyantha kumar B.M	0.00 + 0.25	0.25
6.	6.5	Identification of stable rice variety in advanced breeding lines of rice across different agro climatic situations.	Dr. Dushyantha kumar B.M	0.00 + 0.25	0.25
7.	6.6	Development of high yielding and resistant lines to sucking pest by induced mutagenesis in Okra.	Dr. Gangaprasad. S.	0.28 +0.25	0.53
8.	6.9	Development of high yielding Greengram (<i>vigna radiata L.</i>) Walp genotypes.	Dr. Gangaprasad. S.	0.28 +0.25	0.53
9.	6.19 (b)	Development of productivity and appreciable keeping quality lines in Tomato: Variability and correlation studies	Dr. Gangaprasad. S.	0.28 +0.25	0.53
Total					3.51

Need Based New Student Post Graduate Research Programmes (Assistantship + Contingency) 2021-22
(ABAC/DAC: 103001/000366)

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
1. Department of Agronomy					
1.	1.45	Performance of Chickpea (<i>Cicer arrietinum L.</i>) as influenced by sowing windows and drought management strategies under Central Dry Zone of Karnataka (Ph.D)	Dr.M.Hanumanthappa	0.24 +0.35	0.59
2.	1.46	Intensive forage production through hybrid Napier based perennial legume cropping system in southern transition zone of Karnataka (Ph.D)	Dr.N.S. Mavarkar	0.24 +0.35	0.59
3.	1.47	Effect of varied levels of fertilizer and PGPR on growth and yield of Greengram (New)	Dr.C.J.Sridhar	0.16+0.25	0.41
4.	1.48	Comparative assessment of different farming methods in groundnut based intercropping system under southern transition zone of Karnataka (Ph.D)	Dr.H.K.Veeranna	0.24 +0.35	0.59
5.	1.49	Performance of prilled and nano urea on growth and yield of wetland paddy (M.Sc)	Dr.H.K.Veeranna	0.16+0.25	0.41
6.	1.51	Influence of Nano urea application in growth, yield and quality parameters of Okra” (<i>Abelmoschus esculentus</i> (L) (M.Sc)	Dr.Basavaraj Naik.T	0.16+0.25	0.41
7.	1.52	Performance of different foxtail millet genotypes to foliar nutrition to biostimulants (M.Sc)	Dr.AY.Hugar	0.16+0.25	0.41
8.	1.53	Feasibility of crop intensification through intercropping of legumes in FCV tobacco (M.Sc)	Dr.T.M.Soumya	0.16+0.25	0.41
9.	1.54	Effect of varied levels and methods of molybdenum application in soybean (M.Sc)	Dr.C.Sunil	0.16+0.25	0.41
10.	1.56	Effect of <i>Salvinia molesta</i> Vermicompost on soil fertility and crop productivity on Paddy-Groundnut cropping system in Udupi district of costal Karnataka (M.Sc)	Dr.N.E.Naveen	0.16+0.25	0.41
11.	1.57	Effect of various levels of Chickpea Magic on growth and yield of Chickpea (<i>Cicer arietinum L.</i>) (M.Sc)	Dr. Rudragouda F.Channagouda	0.16+0.25	0.41

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
2. Department of Agril. Entomology					
12.	2.58	Pest complex of Teff, <i>Ergostis lef</i> (Zucagni) Trotter with special reference to the management of shoot flies (M.Sc)	Dr.S.U.Patil	0.16+0.25	0.41
13.	2.59	Studies on the natural enemies of pigeonpea pod fly <i>Melanagromyza obruca</i> (Diptera: Agromyzidae) Malloch and their utility in biointensive pest management practices (Ph.D)	Dr.B.K.Shivanna	0.24 +0.35	0.59
14.	2.60	Studies on population dynamics, varietal screening and management of podborers of soybean (M.Sc)	Dr.B.K.Shivanna	0.16+0.25	0.41
15.	2.61	Studies on relative toxicity and efficacy of some ready mix formulations against brinjal shoot fruits borer, <i>Leucinodes orbonalis</i> (Guenee) (M.Sc)	Dr.S.Pradeep	0.16+0.25	0.41
16.	2.64	Insecticides usage pattern and efficacy against diamondback moth, <i>Plutella xylostella</i> (L.) in cole crops (M.Sc)	Dr. Revanna Revannavar	0.16+0.25	0.41
17.	2.66	Evaluation of rice husk biochar as a source of silicon against fall armyworm, <i>Spodopterafrugiperda</i> on maize (M.Sc)	Dr.Onkarappa.S	0.16+0.25	0.41
18.	2.67	Performance of <i>Apiscerana</i> colonies under different sized hives (M.Sc)	Dr. R N Kencharaddi	0.16+0.25	0.41
19.	2.68	Quantification and dissipation of different insecticides applied as seed treatment for fall armyworm management in maize (M.Sc)	Dr.Sharanabasappa	0.16+0.25	0.41
20.	2.69	Lethal and sublethal effect of commonly used insecticides on fall armyworm <i>Spodoptera frugiperda</i> on maize (M.Sc)	Dr.Sharanabasappa	0.16+0.25	0.41
21.	2.70	Present pest complex of tobacco under changed climatic scenario and their management (M.Sc)	Dr.Rajashekarapa	0.16+0.25	0.41
22.	2.72	Efficacy of insecticides and bio-pesticides against whitely and leafminer on pole beans (M.Sc)	Dr.Suchithrakumari.M.H.	0.16+0.25	0.41
3. Department of Agril. Extension					
23.	3.30	A study on Marketing behavior and market linkage of Arecanut growers to improve entrepreneurial activities in Chitradurga district (M.Sc) “A Study on Marketing Behaviour and Market linkage of Arecanut growers of Chitradurga and Davanagere Districts” (new)	Dr.K.Amresh Kumar	0.16+0.25	0.41

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
4. Department of Forestry					
24.	4.20	Assessment of Ecosystem Services from different Tree-Based Landuse Systems in Central Western Ghats (Ph.D)	Dr. G.M. Devagiri	0.24 +0.35	0.59
25.	4.21	Performance of <i>Dendrocalamusbrandisii</i> (Munro) Kurz. based Agroforestry practices in Tropical Humid Regions of Karnataka (Ph.D)	Dr. Ramakrishna Hegde	0.24 +0.35	0.59
26.	4.23	Assessment of growth and yield of <i>Litsea chinensis</i> in humid region of Karnataka (M.Sc)	Dr. Ramakrishna Hegde	0.16+0.25	0.41
27.	4.28	Inventory of tree diversity, regeneration and mapping of Shola forests in Kodagu (M.Sc)	Dr. M. Jadeyegowda	0.16+0.25	0.41
5. Department of Horticulture					
28.	5.60	Effect of foliar application of bio-stimulants on growth, flowering, yield and quality of chrysanthemum under protected cultivation (M.Sc)	Dr.B.Hemla Naik	0.16+0.25	0.41
29.	5.61	Effect of Silica on rooting and establishment of cuttings of Carnation (<i>Dianthus caryophyllus</i>) (M.Sc)	Dr.D.Thippesha	0.16+0.25	0.41
30.	5.62	Evaluation of gladiolus (<i>Gladiolus hybridus</i> Hort.) cultivars for growth, flower yield and quality under transitional zone of Karnataka (M.Sc)	Dr.D.Thippesha	0.16+0.25	0.41
31.	5.65	Effect of Plant Growth Regulator and Micronutrients on growth and yield attributes of chilli under hill zone of Karnataka (M.Sc)	Dr. P. Umamaheswarappa	0.16+0.25	0.41
32.	5.69	Seed germination and tissue culture studies in <i>Stereospermum suaveaolens</i> (M.Sc)	Dr.Raviraj Sheety	0.16+0.25	0.41
33.	5.74	Assessment of genetic variability and diversity in chilli (<i>Capsicum annuum</i> L.) genotypes (M.Sc)	Dr. Bhoomika.H.R	0.16+0.25	0.41
34.	5.77	Effect of different levels of bending in rose varieties (M.Sc)	Dr.Nataraj.S.K	0.16+0.25	0.41
35.	5.78	Induction of polyploidy in hybrid Chrysanthemum (<i>Dendranthema grandiflora</i> Tzvelev.) (M.Sc)	Dr.Nataraj.S.K	0.16+0.25	0.41
36.	5.82	Propagation studies in Avocado (<i>Persia americana</i> Mill,) under Hill Zone Of Karnataka (M.Sc)	Dr. YalleshKumar,H.	0.16+0.25	0.41

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
37.	5.83	Assessment of improved pea (<i>Pisum sativum</i> L.) varieties for yield and yield attributes. (M.Sc)	Dr.Prakash Kerure	0.16+0.25	0.41
38.	5.84	Effect of foliar application of salicylic acid and methyl jasmonate on yield and fruit quality attributes of pomegranate CV. Bhagwa (M.Sc)	Mr.Sridhar.R	0.16+0.25	0.41
39.	5.85	Standardization of harvesting stage and brain concentration for canning of jack (<i>Artocarpus heterophyllus</i>) for vegetable purpose. (M.Sc)	Dr.Kantharaj. Y	0.16+0.25	0.41
40.	5.86	Assessment of banana cultivars and pre-treatment for banana flour production (Bakahu) (M.Sc)	Dr.Chaitanya.H.S.	0.16+0.25	0.41
6. Department of Genetics and Plant Breeding, Seed Sciences and Technology and Bio chemistry					
41.	6.30	Assessment of variability generated through double cross in Okra (<i>Abelmoschuus esculentus</i> (L.) Moench) (Ph.D)	Dr. B M Dushyanthakumar	0.24 +0.35	0.59
42.	6.31	Studies on Genetic and Environmental Interaction of Advanced MAGIC lines of Rice (<i>Oryza sativa</i> L.) in varied Agro Climatic Zones of Karnataka (Ph.D)	Dr. B M Dushyanthakumar	0.24 +0.35	0.59
43.	6.33	Assessment of genetic variability and genetic divergence in Assam rice germplasm (M.Sc)	Dr.M.Narayana Swamy	0.16+0.25	0.41
44.	6.34	Studies on Genetic variability in Ragi for yield and nutritional quality. (M.Sc)	Dr.B.N.Harish Babu	0.16+0.25	0.41
45.	6.35	Studies on terminal drought tolerance in Bengal gram genotypes under field condition. (M.Sc)	Dr.B.N.Harish Babu	0.16+0.25	0.41
7. Department of Plant Pathology					
46.	7.38	Studies on Sclerotinia rot of French bean (<i>Phaseolus Vulgaris</i> L.) (M.Sc)	Dr.R.Ganesh Naik	0.16+0.25	0.41
47.	7.39	Studies on Nematophagous Fungi: A potential biocontrol agent of phytonematodes. (M.Sc)	Dr.R.Ganesh Naik	0.16+0.25	0.41
48.	7.42	Studies on fruit rot of drumstick (M.Sc)	Dr. Suresha D. Ekabote	0.16+0.25	0.41
49.	7.47	Studies on Narrow Brown Spot of paddy (<i>Oryzae sativa</i> L) incited by <i>Cercosporaoryzae</i> (M.Sc)	Dr.G.N.Hosagoudar	0.16+0.25	0.41

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
8. Department of Soil Science and Agril. Chemistry					
50.	8.24	Effect of Enriched Areca husk Compost on Carbon, Nitrogen stock of Soil and productivity of Rainfed Maize (Ph.D)	Dr. G.N. Thippeshappa	0.24 +0.35	0.59
51.	8.25	Assessment of important soil ecological functions and process among major land use types in rural and Peri-Urban areas of Shivamogga district (Ph.D)	Dr.M.S.Nagaraja	0.24 +0.35	0.59
52.	8.26	Assessment of nutrient inputs, ginger yields and their influence on soil physico-chemical and biological properties in shivamogga (M.Sc)	Dr.M.S.Nagaraja	0.16+0.25	0.41
53.	8.27	Effect of nitrogen levels and nano-nitrogen fertilizers on growth and yield of paddy in coastal Karnataka (M.Sc)	Dr. Jayaprakash S.M.	0.16+0.25	0.41
54.	8.29	Soil acidity characterization of wetland paddy fields of hilly zone, Karnataka (M.Sc)	Dr.Ravikumar.D	0.16+0.25	0.41
55.	8.30	Assessment of spatial and temporal variability of coastal soil salinity and its influence on different land use systems of Udupi district (Ph.D)	Dr.Ravikumar.D	0.24 +0.35	0.59
56.	8.31	Response of paddy to potassium solubilizing bacteria (KSB) and foliar application of potassium in Coastal Acid Soils of Karnataka (M.Sc)	Dr.R.Jayaprakash	0.16+0.25	0.41
Need Based Continued Student Post Graduate Research Programme (Assistantship + Contingency) 2021-22 ABAC/DAC:103001/000366)					
1. Department of Agronomy					
57.	1.43	Influence of mulching materials, Bio-char and biostimulants on micrometeorological parameters on growth and yield of tomato (Ph.D)	Dr.S.Sridhara	0.42+0.20	0.62
Total					25.56

Need Based New Student Post Graduate Research Programmes (Assistantship Only) 2021-22 (ABAC/DAC:103001/000366)

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
1. Department of Agronomy					
58.	1.50	Assessment of production, profitability and sustainability of integrated farming system under irrigated condition of southern transitional zone of Karnataka (M.Sc)	Dr. Kumar.O	0.16+0.00	0.16
59.	1.55	Efficacy of the new pre emergent herbicide molecule diclosulam in groundnut (M.Sc)	Dr.A.H.Kumar Naik	0.16+0.00	0.16
2. Department of Agril. Entomology					
60.	2.63	Insect pest complex of cashew with special reference to leafminer (M.Sc)	Dr. Jayalaxmi Narayana Hegde	0.16+0.00	0.16
61.	2.71	Characters association and reaction of pigeonpea cultivars infested by pod fly, <i>Melanagromyza obtusa</i> Malloch (Diptera: Agromyzidae) (Ph.D)	Dr.Rajashekarapa	0.24 +0.00	0.24
3. Department of Agril. Extension					
62.	3.29	Perception and usefulness of Krishimela (M.Sc)	Dr.M. Sudheendra	0.16+0.00	0.16
63.	3.31	Impact of Sujala –III watershed development programme (M.Sc)	Dr.Basavaraj Beerannavar	0.16+0.00	0.16
64.	3.32	Information Seeking And Market Behaviour Of Pepper Growers Of Chikkamagaluru District (M.Sc)	Dr. Krishnamurthy A.T	0.16+0.00	0.16
65.	3.33	Entrepreneurial and Adoption Behaviour of Coffee growers in Chikkamagaluru district of Karnataka (M.Sc)	Dr. Bharath Kumar T.P	0.16+0.00	0.16
66.	3.35	A study on entrepreneurial behavior of Onion seed producing farmers of Chitradurga district (M.Sc)	Dr.T.S. Ganeshprasad	0.16+0.00	0.16

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
4. Department of Forestry					
67.	4.19	Human Elephant Conflict and mitigative measures at Kodagu District, Karnataka (M.Sc)	Dr. C G Kushalappa	0.16+0.00	0.16
68.	4.25	Assisted Natural Regeneration Techniques for RET tree species (M.Sc)	Dr. Maheswarappa. V	0.16+0.00	0.16
69.	4.26	Assessment of yield in bamboo based Agroforestry (M.Sc)	Dr. Maheswarappa. V	0.16+0.00	0.16
6. Department of Genetics and Plant Breeding, Seed Sciences and Technology and Bio chemistry					
70.	6.28	Identification of Tolerant rice genotypes under submergence in rainfed lowlands of Karnataka. (M.Sc)	Dr. B M Dushyanthakumar	0.16+0.00	0.16
7. Department of Plant Pathology					
71.	7.41	Studies on Epidemiology, Variability and Molecular characterization of purple blotch of onion caused by <i>Alternaria porri</i> (Ellis) Cif. (Ph.D)	Dr. Suresha D. Ekabote	0.24 +0.00	0.24
72.	7.43	Investigations on Yellow leaf disease of arecanut (Ph.D)	Dr. B. Gangadhara Naik	0.24 +0.00	0.24
73.	7.44	Studies on Xanthomonas vesicola pv. areca causing bacterial leaf stripe disease of arecanut (M.Sc)	Dr. B. Gangadhara Naik	0.16+0.00	0.16
74.	7.45	Eco-friendly management of Phytophthora meadii causing fruit rot disease of arecanut (M.Sc)	Dr. B. Gangadhara Naik	0.16+0.00	0.16
Total					2.96

**Need Based New and Continued Student Post Graduate Research Programmes (Contingency Only) 2021-22
(ABAC/DAC:103001/000366)**

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
2. Department of Agril. Entomology					
75.	2.62	Studies on pinworm, <i>Tuta absaluta</i> on Tomato under field and polyhouse conditions (M.Sc)	Dr.L.Hanumantharaya	0.00+0.25	0.25
76.	2.65	Evaluation of entomopathogenic nematodes against fall armyworm, <i>Spodoptera frugiperda</i> in sweet corn (M.Sc)	Dr.C.M. Kalleshwaraswamy	0.00+0.25	0.25
4. Department of Forestry					
77.	4.22	Growth and wood anatomical traits of important tree species under contrasting environmental conditions (Ph.D)	Dr. Ramakrishna Hegde	0.00+0.35	0.35
78.	4.24	Assessment of Floristic Diversity in Forest and Coffee Agroforest in Kodagu District (M.Sc)	Dr. Baliram, G. Nayak	0.00+0.25	0.25
79.	4.27	Studies on Growth and Yield of Horse Gram under <i>Meliadubia</i> Based Agroforestry System in the Central Dry Zone of Karnataka (M.Sc)	Dr. Vasudev L	0.00+0.25	0.25
80.	4.29	Impact of invasive species on soil chemical properties and natural regeneration in Nagarahole Tiger reserve (M.Sc)	Dr.Satish.B.N	0.00+0.25	0.25
5. Department of Horticulture					
81.	5.67	Studies on effect of GA3 on growth and flowering in Lupine (<i>Lupinus perennis</i> L.) under hill zone of Karnataka (M.Sc)	Dr.Chandrashekar.S.Y	0.00+0.25	0.25
82.	5.68	Evaluation of wood apple genotypes for yield and quality (M.Sc)	Dr.Nagarajappa Adivappar	0.00+0.25	0.25
83.	5.75	Evaluation of advance breeding lines of brinjal for yield and quality traits (M.Sc) (No Assistantship)	Dr.M.Devaraju	0.00+0.25	0.25
84.	5.80	Genetic variability studies in Ashwagandha (<i>Withania somnifera</i> L.) genotypes for yield and yield attributing traits (M.Sc)	Dr. Sadashiva Nadukeri	0.00+0.25	0.25
85.	5.81	Influence of Secondary and micronutrients on growth, yield and quality attributes of banana cv. Grand naine in the hill zone of Karnataka (M.Sc)	Dr. YalleshKumar,H.S	0.00+0.25	0.25
6. Department of Genetics and Plant Breeding, Seed Sciences and Technology and Bio chemistry					
86.	6.29	Collection, conservation, morphological characterization and assessment of GXE of traditional varieties based on DUS guidelines. (Ph.D)	Dr. B M Dushyanthakumar	0.00+0.35	0.35
87.	6.32	Development of High Yielding productive lines in tomato (M.Sc)	Dr. B M Dushyanthakumar	0.00+0.25	0.25

Sl. No	DR. No.	Title of the project	Principal Investigator	Assistantship + Contingency (₹ in lakhs)	Total Budget (₹ in lakhs)
7. Department of Plant Pathology					
88.	7.37	Investigations on Phyllosticta leaf spot of Ginger incited by <i>Phyllosticta zingiber</i> (Ramkr.) (M.Sc)	Dr.R.Ganesh Naik	0.00+0.25	0.25
89.	7.40	Investigations on Basal Stem Rot of coconut (Cocos nucifera L.) in southern parts of Karnatak (Ph.D)	Dr.R.Ganesh Naik	0.00+0.35	0.35
90.	7.46	Variability studies on Colletotrichum gloeosporioides causing inflorescence dieback and leaf blight disease of arecanut (M.Sc)	Dr. B. Gangadhara Naik	0.00+0.25	0.25
8. Department of Soil Science and Agril. Chemistry					
91.	8.23	Influence of Sulphur nutrition on growth, yield, Quality parameters of Soybean and properties of soil under Southern Transition Zone of Karnataka (M.Sc)	Dr. G.N. Thippeshappa	0.00+0.25	0.25
92.	8.28	Studies on status of carbon and secondary nutrients in Arecanut growing high rainfall areas of Malnad region (Ph.D)	Dr.Sarvajna B. Salimath	0.00+0.35	0.35
Need Based Continued Student PG Research (Contingency Only) 2021-22 (ABAC / DAC : 103001 / 000366)					
5. Department of Horticulture					
93.	5.34	Effect of Foliar Spray of Bio-Stimulants and Micronutrients on Growth, Flowering and Fruiting of Coorg Mandarin	Dr. YalleshKumar,H.	0.00+0.25	0.25
94.	5.59	Effect of growth regulators and bioinoculants on macropropagation of banana cv. Ney Poovan by miniset technique	Dr. YalleshKumar,H.	0.00+0.25	0.25
6. Department of Genetics and Plant Breeding					
95.	6.2	Evaluation of rice segregating population to identify superior blast resistant genotypes for yield traits and blast reactions	Dr. B M Dushyanthakumar	0.00+0.25	0.25
96.	6.5	Identification of stable rice variety in advanced breeding lines of rice across different agro climatic situations	Dr. B M Dushyanthakumar	0.00+0.25	0.25
Total					5.90

Need Based New Staff Research Projects 2021-22 (ABAC/DAC:103001/000366)

Sl. No	DR. No.	Title of the project	Principal Investigator	Total Budget (₹ in lakhs)
1. Department of Agronomy				
97.	1.58	Study of different Agricultural substrates on growth and yield of oyster mushroom (<i>Pleurotus spp</i>) of Zone-IV of Karnataka (Microbiology)	Dr.D.A. Sumana	0.45
2. Department of Agril. Entomology				
98.	2.73	Evaluation of different management of modules against major pests of turmeric	Dr.Suchithrakumari.M.H.	0.40
3. Department of Agril. Extension				
99.	3.34	Analysis of farmer's access to institutional and non-institutional sources of credit in central dry zone of Karnataka during COVID-19 Pandemic	Dr. Bharath Kumar T.P	0.45
5. Department of Horticulture				
100.	5.63	Collections, planting and Evaluation of different types of pineapple cultivars of coastal zones at ZAHRS, Brahmavar	Dr. Lakshmana	0.50
101.	5.64	The performance of cashew propagated by using, fruiting and vegetative scion grafts plants	Dr. Lakshmana	0.35
102.	5.70	Performance of Turmeric (<i>Curcuma longa</i> L) cultivars under Cashew plantation	Dr.Raviraj Sheety	0.45
103.	5.71	Evaluation of alternative insecticides for the management of T-Mosquitoes bug.	Dr.Raviraj Sheety	0.40
104.	5.72	Evaluation of effects of different mutagens in black turmeric (<i>Curcuma caesia</i> Roxb.) on growth, yield and quality traits	Dr. Bhoomika.H.R	0.45
105.	5.73	Effects of different pre-curing treatments and drying methods on yield and quality of turmeric (<i>Curcuma longa</i> L.)	Dr. Bhoomika.H.R	0.35
106.	5.76	Performance of different genotypes of elephant foot yam under hill zone of Karnataka	Dr.M.Devaraju	0.40
107.	5.79	Effect of drying techniques and fumigation of sulphur on quality of ginger (<i>Zingiber officinale</i> Rosc.)	Dr. Sadashiva Nadukeri	0.40
108.	5.87	Evaluation of Amorphophalus genotypes for yield and quality under southern transition zone	Dr.B.V.Champa	0.55
109.	5.88	Collection, conservation and utilization of commercial, garden and wild jasmine spp.	Dr.B.V.Champa	0.55

Sl. No	DR. No.	Title of the project	Principal Investigator	Total Budget (₹ in lakhs)
6. Department of Genetics and Plant Breeding, Seed Sciences and Technology and Bio Chemistry				
110.	6.36	Study of staggered planting and 50% flowering behavior of parental lines sunflower hybrid KBSH-78 in different season of Zone-7	Dr.G.H.Ravikumar	0.45
111.	6.37	Effect of stacking height, seed moisture and storage containers on damage during transport in Soybean	Dr.G.H.Ravikumar	0.40
112.	6.38	Effect of packaging material on seed quality and storage of rice and Soybean	Dr. Usha.T.N	0.40
113.	6.39	Study of Nutritional, phytochemical and functional properties in four varieties of Rice	Dr. Raghavendra. S	0.55
9. Department of Agricultural Engineering				
114.	9.13	Design and Development of Electrical Chargeable Battery Operated Weeder	Dr. Sharanappa Jangandi	0.45
10. Department of Agril. Economics				
115.	10.03	Economic impact of Pradhan Mantri Fasal Bima Yojana on farmers economy	Mr.Ramesh.Y.S.	0.45
116.	10.04	Integrated Farming Systems” on Doubling the Farm income in Karnataka – An Economic analysis	Dr. Raveesha. S	0.45
Need Based Continued Staff Research Projects 2021-22 (ABAC / DAC : 103001 / 000366)				
2. Department of Entomology				
117.	2.45	Evaluation of insecticides against sapota seed borer, <i>Trymalitis margarias</i> Meyrick	Dr.Suchithrakumari.M.H.	0.35
Total				9.20

Abstract

Sl.No.	Year		Total Nos. Project	Total Budget (New +Continued)
1.	2016-17	New	54	50.00
2.	2017-18	New	57	45.80 +14.20 = 60.00
		Continued	21	
3.	2018-19	New	76	56.60 + 13.40 = 70.00
		Continued	28	
4.	2019-20	New	41	31.44 + + 13.56 = 45.00
		Continued	25	
5.	2020-21	New	67	33.13 + 3.51 = 36.64
		Continued	09	
7.	2021-22	New	113	43.25+1.97 = 45.22
		Continued	06	
Total			497	306.86