



**DIRECTORATE OF RESEARCH  
ANAND AGRICULTURAL UNIVERSITY  
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No. AAU/DR/RES/T-3/ 5322 /2022

Date: 04/10/2022


To,

1. All University Officers, AAU, Anand
2. All Conveners of AGRESCO Sub-Committee, AAU, Anand
3. All Unit / Sub-Unit Officers of AAU, Anand

Sub : Experiment code number.....18<sup>th</sup> Combined AGRESCO

Enclosed, please find herewith the code numbers assigned to the New Technical Programme/s which is/are approved in 18<sup>th</sup> Combined AGRESCO of SAUs and Kamdhenu University held during 04-18 May, 2022 through Video Conferencing. Now, you are requested to use these code numbers in AGRESCO report in future.

Encl : As above

  
**Director of Research &  
Dean P. G. Studies**

**NEW TECHNICAL PROGRAMMES APPROVED IN 18<sup>TH</sup> COMBINED AGRESO HELD ONLINE HOSTED BY JAU, JUNAGADH  
(2022)**

**Abbreviations**

**CI : Crop Improvement**

**CP : Crop Production**

**PP : Plant Protection**

**SS : Social Sciences**

**AS : Animal Science**

**AE·AIT : Agricultural Engineering and Agricultural  
Information Technology**

**DS·FPT : Dairy Science and Food Processing Technology**

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
<b>18.1 Crop Improvement</b>			
18.1.4.2	Studies on germination and seedling vigour of summer groundnut seeds stored under different packaging materials	CI/ Seed Science & Technology /2022/01	Assistant Professor and Head, Department of Seed Science & Technology, BACA, AAU, Anand
18.1.4.3	Effect of number of fruit retention and days to fruit maturity on seed yield and quality parameters of okra	CI/ Seed Science & Technology /2022/02	Assistant Professor and Head, Department of Seed Science & Technology, BACA, AAU, Anand
18.1.4.4	Testing apical root cutting (ARC) technology in potato	CI/ AHRS, Khambholaj /2022/01	Unit officer, AHRS, AAU, Khambholaj
18.1.4.5	Development of minimum seed certification standards in Isabgol	CI/ M&APRS, Anand/2022/01	Associate Research Scientist and Head, M&APRS, AAU, Anand
18.1.4.6	Development of minimum seed certification standards in <i>Aloe</i>	CI/ M&APRS, Anand/2022/02	Associate Research Scientist and Head, M&APRS, AAU, Anand
<b>18.2 Crop Production</b>			
18.2.4.15	Response of irrigated wheat to potassium application	CP/Agronomy/2022/01	Professor & Head, Department of Agronomy, BACA, AAU, Anand
18.2.4.16	Effect of nano nitrogen on irrigated wheat (Other location: Jabugam)	CP/Agronomy and CoA, Jabugam/2022/02	Professor & Head, Dept. of Agronomy, BACA, AAU, Anand and Principal, CoA, AAU, Jabugam
18.2.4.17	Evaluation of soybean-wheat cropping sequence	CP/Agronomy/2022/03	Professor & Head, Department of

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	under natural farming		Agronomy, BACA, AAU, Anand
18.2.4.18	Long term effect of fertilizer with and without FYM and micronutrient on maize-wheat-fodder cowpea cropping sequence	CP/Agronomy/2022/04	Professor & Head, Department of Agronomy, BACA, AAU, Anand
18.2.4.19	Evaluation of phosphate and potash rich organic manure on <i>rabi</i> maize and their residual effect on succeeding green gram	CP/Ag. Microbiology /2022/01	Professor & Head, Department of Agril. Microbiology, BACA, AAU, Anand
18.2.4.20	Screening of different rice varieties for methane emission	CP/Ag. Microbiology /2022/02	Professor & Head, Department of Agril. Microbiology, BACA, AAU, Anand
18.2.4.21	Study the efficacy of nano-biofertilizer in wheat	CP/Ag. Microbiology /2022/03	Professor & Head, Department of Agril. Microbiology, BACA, AAU, Anand
18.2.4.22	Integrated weed management in <i>kharif</i> groundnut ( <i>Arachis hypogaea</i> L.)	CP/Weed Control/2022/01	Agronomist, AICRP-Weed Management, BACA, AAU, Anand
18.2.4.23	Screening of wheat genotypes and varieties for zinc efficiency based on yield and uptake efficiency	CP/ Micronutrient/2022/01	Associate Research Scientist, Micronutrient Res. Scheme, AAU, Anand
18.2.4.24	Persistence of metribuzin and its premix herbicide in irrigated wheat under field condition	CP/Pesticide Residues /2022/01	Residue Analyst, AINP on Pesticide Residues, AAU, Anand
18.2.4.25	Effect of seed rate, method of sowing and time of cutting on green fodder yield and quality of lucerne	CP/MFRS, Anand/2022/01	Research Scientist, MFRS, AAU, Anand
18.2.4.26	Effect of seed priming on green fodder yield and quality of fodder maize	CP/MFRS, Anand/2022/02	Research Scientist, MFRS, AAU, Anand
18.2.4.27	Effect of date of transplanting and spacing on herbage yield and quality of black tulsii ( <i>Ocimum sanctum</i> L.)	CP/ M&APRS, Anand/2022/01	Associate Research Scientist and Head, M&APRS, AAU, Anand
18.2.4.28	Effect of long term manuring on yield and quality of bidi tobacco and soil productivity (Joint study by Agronomy and Chemistry sections)	CP/BTRS/2022/01	Research Scientist (Tobacco), Bidi Tobacco Research Station, AAU, Anand
18.2.4.29	Effect of nano nitrogen on yield, quality and nutrient content of bidi tobacco	CP/BTRS/2022/02	Research Scientist (Tobacco), Bidi Tobacco Research Station, AAU,

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			Anand
18.2.4.30	Evaluation of maize–chickpea cropping sequence under natural farming	CP/ RRS, Anand/2022/01	Research Scientist, RRS, AAU, Anand
18.2.4.31	Nutrient management through organic sources in black gram in semi <i>rabi</i> and their residual effect on summer sesamum	CP/ AHRS, Khambholaj /2022/01	Unit Officer, Agriculture and Horticulture Res. Station, AAU, Khambholaj
18.2.4.32	Performance of transplanted rice varieties under direct seeded method (Other location: Thasra and Vaso)	CP/ MRRS, Nawagam, ARS, Thasra & CoA, Vaso/2022/01	Research Sci. (Rice), MRRS, AAU, Nawagam, Associate Research Sci., ARSIC, AAU, Thasra and Principal, CoA, AAU, Vaso
18.2.4.33	Effect of soil conditioners on growth, yield and nutrients content in rice-wheat cropping sequence	CP/MRRS, Nawagam /2022/02	Research Scientist (Rice), MMRS, AAU, Nawagam
18.2.4.34	Effect of sowing time and polysheet cover on seedling growth in summer rice nursery	CP/ MRRS, Nawagam, ARS, Thasra & RRS, Anand/2022/03	Research Sci. (Rice), MRRS, AAU, Nawagam, Associate Research Sci., ARSIC, AAU, Thasra and Res. Sci., RRS, AAU, Anand
18.2.4.35	Effect of multi-micronutrients mixture grades application on growth, yield and quality of soybean	CP/ TRTC, Devgadh Baria/2022/01	Unit officer, TRTC, AAU, Devgadh Baria
18.2.4.36	Feasibility of transplanting in Indian mustard	CP/CoA, Vaso/2022/02	Principal, CoA, AAU, Vaso
18.2.4.37	Effect of sowing time and irrigation scheduling on pigeon pea in <i>rabi</i> season	CP/CoA, Jabugam/2022/02	Principal, CoA, AAU, Jabugam
18.2.4.38	Integrated nutrient management in soybean and its residual effect on chickpea	CP/CoA, Jabugam/2022/03	Principal, CoA, AAU, Jabugam
18.2.4.39	Effect of multi-micronutrients mixture grades application on growth, yield and quality of <i>durum</i> wheat under restricted irrigation condition in Bhal region (Other location: Dhandhuka)	CP/ ARS, Arnej & ARS, Dhandhuka/2022/01	Associate Research Scientist, Agril. Research Station, AAU, Arnej and Assistant Research Scientist, ARS, AAU, Dhandhuka

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18.2.4.40	Integrated nutrient management in <i>kharif</i> maize and its residual effect on succeeding chickpea	CP/ ARS, Dahod/2022/01	Associate Res. Sci., ARS, AAU, Dahod
18.2.4.41	Feasibility of groundnut + castor cropping system under irrigated condition	CP/ ARS, Sansoli/2022/01	Associate Research Scientist, Agril. Research Station, AAU, Sansoli
18.2.4.42	Assessment of spatial variability in soil and crop (wheat) parameters with the perspective of precision agriculture	CP/ Basic Science, BACA/2022/01	Professor & Head, Department of Basic Science, BACA, AAU, Anand
18.2.4.43	Study on rainfall climatology and its association with productivity of major crops of Gujarat	CP/Ag. Meteorology/2022/01	Professor and Head, Dept. of Agril. Metrology, BACA, AAU, Anand
<b>18.3 Plant Protection</b>			
<b>I. Agril Entomology</b>			
18.3.3.18	Bio-efficacy of insecticides against invasive thrips, <i>Thrips parvispinus</i> (Karny) infesting chilli (Other location: MVRS Anand, ARS Sansoli)	PP/Entomology (BACA), MVRS, Anand & ARS, Sansoli /2022/01	Professor and Head, Dept. of Agril. Entomology, BACA, AAU, Anand; Res. Sci. (Veg.), MVRS, AAU, Anand; Asst. Res. Scientist (Ento.), ARS, AAU, Sansoli
18.3.3.19	Evaluation of bio-pesticides against invasive thrips, <i>Thrips parvispinus</i> (Karny) infesting chilli (Other location: MVRS Anand, ARS Sansoli)	PP/Entomology (BACA), MVRS, Anand & ARS, Sansoli /2022/02	Professor and Head, Dept. of Agril. Entomology, BACA, AAU, Anand; Res. Sci. (Veg.), MVRS, AAU, Anand; Asst. Res. Scientist (Ento.), ARS, AAU, Sansoli
18.3.3.20	Evaluation of various insecticides as lure toxicants for fruit fly in bittergourd	PP/Entomology (BACA), /2022/03	Professor and Head, Department of Agril. Entomology, BACA, AAU, Anand
18.3.3.21	Impact of pollinators on the seed yield of onion	PP/Entomology (BACA), /2022/04	Professor and Head, Department of Agril. Entomology, BACA, AAU, Anand
18.3.3.22	Evaluation of bio-intensive modules against invasive thrips, <i>Thrips parvispinus</i> (Karny) in chilli (Other location: MVRS Anand, ARS Sansoli and AHRS Khambholaj)	PP/Biological control, Anand, MVRS, Anand, ARS, Sansoli & AHRS, Khambholaj /2022/01	Principal Res. Sci., AICRP on Biological Control of Crop Pests, AAU, Anand; Res. Sci. (Veg.), MVRS, AAU, Anand; Asstt. Res.

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			Sci. (Ento.), AAU, Sansoli), Assoc. Res. Sci., AHRS, AAU, Khambholaj
18.3.3.23	Effectiveness of various repellants against Blue bull, <i>Boselaphus tragocamelus</i> (Pallas)	PP/Ornithology /2022/01	Ornithologist, AINPVPM: Agril. Ornithology, AAU, Anand
18.3.3.24	Effectiveness of tree cover on Rose-Ringed Parakeet <i>Psittacula krameri</i> (Scopoli) damage in pomegranate	PP/Ornithology /2022/02	Ornithologist, AINPVPM: Agril. Ornithology, AAU, Anand
18.3.3.25	Effectiveness of physical barrier to prevent birds in row crop field	PP/Ornithology /2022/03	Ornithologist, AINPVPM: Agril. Ornithology, AAU, Anand
18.3.3.26	Evaluation of insecticides against capsule borer, <i>Helicoverpa armigera</i> (Hubner) in tobacco	PP/BTRS (Ento.), Anand/2022/01	Research Scientist, Bidi Tobacco Research Station, AAU, Anand
18.3.3.27	Residue and persistence of isocycloseram 9.2 w/w DC in tomato	PP/Pesticide Residues /2022/01	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.28	Residues and persistence of fluopyram 250 g/L + trifloxystrobin 250 g/L SC in mango Approved	PP/Pesticide Residues /2022/02	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.29	Residues and persistence of flonicamid 20% + fipronil 8% SC in okra	PP/Pesticide Residues /2022/03	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.30	Residues and persistence of tolfenpyrad 18.75% + emamectin benzoate 0.94% w/w SC in cauliflower	PP/Pesticide Residues /2022/04	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.31	Residue and persistence of tetraniliprole 480% g/L FS in maize	PP/Pesticide Residues /2022/05	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.32	Residues and persistence of isoxaflutole 225% g/L + thien carbazon-methyl 190% g/L SC in maize	PP/Pesticide Residues /2022/06	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.33	Residues and persistence of fluopyram 250% g/L + trifloxystrobin 250% g/L in banana	PP/Pesticide Residues /2022/07	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand

<b>Sr. No.</b>	<b>Title of Experiment</b>	<b>Code Number</b>	<b>Implementing Department/Unit</b>
18.3.3.34	Residues and persistence of tebuconazole 50% + trifloxystrobin 25% WG in chickpea	PP/Pesticide Residues /2022/08	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.35	Residues and persistence of tetraniliprole 120% g/L + spirotetramat 240%g/L SC in okra	PP/Pesticide Residues /2022/09	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.36	Residue and persistence of flupyradifurone 200% g/L SL in tomato	PP/Pesticide Residues /2022/10	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.37	Residue and persistence of glyphosate IPA Salt 41% w/w SL in pomegranate	PP/Pesticide Residues /2022/11	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.38	Residues and persistence of tolfenpyrad 18.75% + emamectin benzoate 0.94% w/w SC in brinjal	PP/Pesticide Residues /2022/12	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.39	Residues and persistence of pyriproxyfen sodium 12.5%+ bispyribac sodium 5% SC in paddy	PP/Pesticide Residues /2022/13	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.40	Residues and persistence of fluopyram 200% g/L + tebuconazole 200% g/LSC in tomato	PP/Pesticide Residues /2022/14	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.41	Residue and persistence of tebuconazole 430% g/L SC in mango	PP/Pesticide Residues /2022/15	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.42	Residues and persistence of fluopyram 250% g/L + trifloxystrobin 250% g/LSC in okra	PP/Pesticide Residues /2022/16	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.43	Residues and persistence of tebuconazole 50% + trifloxystrobin 25% WG in turmeric	PP/Pesticide Residues /2022/17	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.44	Residue and persistence of flupyradifurone 200% g/L SL in chilli	PP/Pesticide Residues /2022/18	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
18.3.3.45	Residue and persistence of glyphosate IPA salt 41% w/w SL in chilli	PP/Pesticide Residues /2022/19	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.46	Residues and persistence of fluopyram 250% g/L + trifloxystrobin 250% g/L in tomato	PP/Pesticide Residues /2022/20	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.47	Residues and persistence of fluopyram 200% g/L + tebuconazole 200% g/LSC in okra	PP/Pesticide Residues /2022/21	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.48	Residues and persistence of isotianil 7% + fosetyl Al 70% WG in pomegranate	PP/Pesticide Residues /2022/22	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.49	Residues and persistence of beta-cyfluthrin 90% g/L + imidacloprid 210%g/L OD in rice	PP/Pesticide Residues /2022/23	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.50	Residue and persistence study of fipronil 0.6% GR in chilli	PP/Pesticide Residues /2022/24	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.51	Residues and persistence of fluopyram 250% g/L + trifloxystrobin 250% g/L in cucumber	PP/Pesticide Residues /2022/25	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
18.3.3.52	Effect of different seed priming techniques with insecticides on insect-pests and seed vigour of mungbean	PP/RRS (Ento.) /2022/1	Research Scientist (Seed), RRS, AAU, Anand
18.3.3.53	Evaluation of natural inputs against major insect-pests infesting musk melon	PP/MVRS (Ento.) /2022/1	Research Scientist, Main Vegetable Research Station, AAU, Anand
18.3.3.54	Screening of promising genotypes of rice selected from advance generation breeding material for multiple insect-pest resistant	<b>Not Approved</b>	Res. Sci. MRRS, AAU, Nawagam, Anand
18.3.3.55	Evaluation of different modules against fall armyworm, <i>Spodoptera frugiperda</i> infesting maize	PP/MMRS (Ento.), Godhra /2022/1	Res. Sci., MMRS, AAU, Godhra
18.3.3.56	Bio-efficacy of insecticides against diamondback	PP/CoA (Ento.), Vaso /2022/1	Principal, CoA, AAU, Vaso



Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	moth, <i>Plutella xylostella</i> L. on cauliflower		
18.3.3.57	Efficacy of different insecticides against pod borer complex of pigeonpea	PP/ARS (Ento.), Derol /2022/1	Asso.. Res. Sci., ARS, AAU, Derol
18.3.3.58	Evaluation of insecticides for the control of castor capsule borer, <i>Dichocrosis punctiferalis</i> Guenee	PP/ARS (Ento), Sansoli /2022/1	Asso. Res. Sci., ARS, AAU, Sansoli
<b>II. Plant Pathology and Nematology</b>			
18.3.3.59	Effect of different supplementations on growth and yield of oyster mushroom	PP/Pathology, BACA /2022/01	Professor & Head, Dept. of Plant Pathology, BACA, AAU, Anand
18.3.3.60	Biomangement of root-knot nematodes ( <i>Meloidogyne</i> spp.) and bacterial wilt ( <i>Ralstonia solanacearum</i> ) complex in brinjal	PP/Nematology/2022/01	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.61	Eco-friendly management of root knot nematode infecting tomato in nursery	PP/Nematology/2022/02	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.62	Evaluation of chemical molecules against <i>Meloidogyne</i> spp. in cucumber	PP/Nematology/2022/03	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.63	Evaluation of chemical molecules against <i>Meloidogyne</i> spp. infecting guava	PP/Nematology/2022/04	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.64	Evaluation of chemical molecules against <i>Meloidogyne</i> spp. infecting pomegranate	PP/Nematology/2022/05	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.65	Eco-friendly management of <i>Meloidogyne incognita</i> infecting cucumber under protected cultivation	PP/Nematology/2022/06	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.66	Efficacy of mycorrhiza in the management of <i>Meloidogyne</i> spp. in capsicum under protected cultivation	PP/Nematology/2022/07	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
18.3.3.67	Bio-efficacy of readymix fungicides against powdery mildew of coriander	PP/CoH (Patho.), Anand /2022/01	Principal, CoH, AAU, Anand
18.3.3.68	Evaluation of fungicides against frog eye leaf spot and <i>Alternaria</i> leaf spot in bidi tobacco	PP/BTRS (Patho.), Anand /2022/01	Research Scientist, BTRS, AAU, Anand)
18.3.3.69	Bio-efficacy of fungicides against powdery mildew	PP/CoA (Patho.), Vaso	Principal, CoA, AAU, Vaso

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	disease of clusterbean	/2022/01	
18.3.3.70	Screening of soybean germplasm to yellow mosaic diseases under field condition	<b>Not Approved</b>	Unit officer, TRTC, AAU, Devgadhbaria
18.3.3.71	Evaluation of biocontrol agents against rhizome rot in ginger	PP/TRTC (Patho.), D. Baria/2022/02	Research Scientist, TRTC, AAU, Devgadhbaria
18.3.3.72	Evaluation of natural inputs against major foliar diseases of greengram	<b>Not Approved</b>	Principal, CoA, AAU, Jabugam
<b>18.4 Horticulture and Agro Forestry</b>			
18.4.3.5	Effect of time and length of pruning on yield and quality of custard apple ( <i>Annona squamosa</i> L.) under middle Gujarat conditions	CP/CoH, Anand/2022/01	Principal, College of Horticulture, AAU, Anand
18.4.3.6	Effect of seed treatment on germination of foxtail palm ( <i>Wodyetia bifurcata</i> )	CP/CoH, Anand/2022/02	Principal, College of Horticulture, AAU, Anand
18.4.3.7	Effect of nano nitrogen (nN) on yield and quality of mango	CP/Polytech. (Hort.), Vadodara /2022/01	Principal, Sheth D. M. Polytechnic in Horticulture, AAU, Vadodara
18.4.3.8	Effect of seed treatment on germination and growth of fishtail palm ( <i>Caryota urens</i> L.) seedling	CP/Polytech. (Hort.), Vadodara /2022/02	Principal, Sheth D. M. Polytechnic in Horticulture, AAU, Vadodara
18.4.3.9	Effect of IBA and growing conditions on growth of cutting in mogra ( <i>Jasminum sambac</i> ) var. Local.	CP/Polytech. (Hort.), Vadodara /2022/03	Principal, Sheth D. M. Polytechnic in Horticulture, AAU, Vadodara
18.4.3.10	Effect of different growing media on crop sequence of broccoli- brinjal under terrace vegetable cultivation	CP/Polytech. (Hort.), Vadodara /2022/04	Principal, Sheth D. M. Polytechnic in Horticulture, AAU, Vadodara
18.4.3.11	Effect of growing condition, rootstock height and polytube cap on softwood grafting in jamun	CP/Polytech. (Hort.), Vadodara /2022/05	Principal, Sheth D. M. Polytechnic in Horticulture, AAU, Vadodara
18.4.3.12	Effect of spacing on growth and yield of dwarf banana	CP/CoA (Horti.), Jabugam/2022/01	Principal, CoA, AAU, Jabugam
18.4.3.13	Effect of nitrogen, phosphorus and potash on growth and yield of brinjal cv. Anand Raj	CP/CoA (Horti.), Jabugam/2022/02	Principal, CoA, AAU, Jabugam

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
<b>18.5 Agricultural Engineering and AIT</b>			
18.5.3.7	QR code driven species information system	AE·AIT/ AIT /2022/01	Professor and Head, Dept. of AIT, CAIT, AAU, Anand
18.5.3.8	Estimating evaporation using artificial intelligence technique	AE·AIT/ AIT (Ag. Sci.) /2022/01	Professor and Head, Dept. of Agril. Science, CAIT, AAU, Anand
18.5.3.9	Web and mobile based asset management using smart RFID tagging	AE·AIT/ DIT /2022/01	Director, IT, AAU, Anand
18.5.3.10	Development of a battery-operated hand tool for intra row weeding operation	AE·AIT/ FMPE, CAET /2022 /01	Professor and Head, Department of FMPE, CAET, AAU, Godhra
18.5.3.11	Development of a battery-operated cutting hand tool for multipurpose farm uses	AE·AIT/ FMPE, CAET /2022 /02	Professor and Head, Department of FMPE, CAET, AAU, Godhra
18.5.3.12	Design and development of multiutility foldable domestic container from agriculture residue	AE·AIT/ BEAS, CAET /2022 /01	Professor and Head, Department of BEAS, CAET, AAU, Godhra
18.5.3.13	Development of process technology for water chestnut	AE·AIT/ PAE, Dahod /2022 /01	Unit Head, PAE, AAU, Dahod
18.5.3.14	Evaluation of GPM IMERG, TRMM and CHIRPS precipitation products over Middle Gujarat	AE·AIT/ AE, BACA /2022 /01	Professor and Head, Department of AE, BACA, AAU, Anand
18.5.3.15	Development of location specific synthetic hietographs for Middle Gujarat	AE·AIT/ AE, BACA /2022 /02	Professor and Head, Department of AE, BACA, AAU, Anand
18.5.3.16	Transformation of Information through Multimedia based Interactive Media for Medicinal Crops (commercial)	<b>Not Approved</b>	Professor and Head, Dept. of AIT, CAIT, AAU, Anand
<b>18.6 Animal Science ----NIL---</b>			
<b>18.7 Dairy Science &amp; Food Processing Technology &amp; Bio-energy</b>			
18.7.3.1	Super critical fluid extraction of essential oil from coriander seed	FPT/FQA, FPT&BE /2022/01	Assoc. Prof & Head, Dept. of FQA, College of FPTBE, AAU, Anand
18.7.3.2	Evaluation of decontamination efficacy of ozone on selected microorganisms	FPT/FQA, FPT&BE /2022/02	Assoc. Prof & Head, Dept. of FQA, College of FPTBE, AAU, Anand

<b>Sr. No.</b>	<b>Title of Experiment</b>	<b>Code Number</b>	<b>Implementing Department/Unit</b>
18.7.3.3	Evaluation of decontamination efficacy of vacuum assisted cold plasma against the selected microorganisms	FPT/FQA, FPT&BE /2022/03	Assoc. Prof & Head, Dept. of FQA, College of FPTBE, AAU, Anand
18.7.3.4	Boric acid detection in wheat flour using tears of the wine phenomenon	FPT/FQA, FPT&BE /2022/04	Assoc. Prof & Head, Dept. of FQA, College of FPTBE, AAU, Anand
18.7.3.5	Modification and performance evaluation of Heat Pump Assisted Dryer (HPAD) for effective heat transfer	FPT/FE, FPT&BE /2022/01	Prof & Head, Dept. of FE, College of FPTBE, AAU, Anand
18.7.3.6	Standardization of thermal processing of drumstick ( <i>Moringa oleifera</i> ) pod pulp and its utilization in food product	FPT/FPT, FPT&BE /2022/01	Assoc. Prof & Head, Dept. of FPT, College of FPTBE, AAU, Anand
18.7.3.7	Development of sorghum based multigrain biscuits	FPT/FPT, FPT&BE /2022/02	Assoc. Prof & Head, Dept. of FPT, College of FPTBE, AAU, Anand
18.7.3.8	Development of farali cake using farali raw materials	FPT/Food Science & Home Economic (Poly.)/2022/01	Principal, Polytechnic in FSHE, AAU, Anand
<b>18.8 Basic science</b>			
18.8.3.5	Morphological, phytochemical and molecular characterization of ashwagandha [ <i>Withania somnifera</i> (L.)]	CI (Basic Science)/ Biochemistry, BACA /2022/01	Prof. and Head, Dept. of Biochemistry, BACA, AAU, Anand
18.8.3.6	Morpho-physiological and phytochemical characterization of aromatic plants in response to cadmium stress	CI (Basic Science)/ M&APRS, Anand /2022/02	Assoc. Research Scientist and Head, M&APRS, AAU, Anand
18.8.3.7	Development of micropropagation protocol for large scale multiplication in orchid ( <i>Dendrobium spp.</i> )	CI (Basic Science)/ Tissue Culture, Anand /2022/01	Assoc. Res. Sci., Centre for Advanced Res. in Plant Tissue Culture, AAU, Anand
<b>18.9 Social Science</b>			
<b>18.9.3.9</b>	An economic analysis of Colocasia production in Middle Gujarat	SS/Ag. Econ/2022/01	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand
<b>18.9.3.10</b>	Export performance of major fresh fruits of India	SS/Ag. Econ/2022/02	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand
<b>18.9.3.11</b>	Growth in area, production and productivity of vegetable crops in Gujarat	SS/Ag. Econ/2022/03	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand

<b>Sr. No.</b>	<b>Title of Experiment</b>	<b>Code Number</b>	<b>Implementing Department/Unit</b>
<b>18.9.3.12</b>	Estimation of supply chain of Pearl millet in middle Gujarat	SS/ IABMI/2022/01	Principal & Dean, IABMI, AAU, Anand
<b>18.9.3.13</b>	Assessment of consumer preferences for inland fisheries in middle Gujarat	SS/ IABMI/2022/02	Principal & Dean, IABMI, AAU, Anand
<b>18.9.3.14</b>	Variety mapping and supply chain analysis of paddy in Gujarat	SS/ IABMI/2022/03	Principal & Dean, IABMI, AAU, Anand
<b>18.9.3.15</b>	Investment analysis of food processing companies	SS/ IABMI/2022/04	Principal & Dean, IABMI, AAU, Anand
<b>18.9.3.16</b>	Consumers' attitude, purchase intention and behaviour towards organic vegetables in middle Gujarat	SS/FPT&BE/2022/01	Professor & Head, FBM, College of FPT&BE, AAU, Anand
<b>18.9.3.17</b>	Detection of late blight and early blight diseases of potato using deep learning	SS/ CoH, Anand/2022/01	Professor and Head, Dept. of Basic Sciences, College of Horticulture, AAU, Anand
<b>18.9.3.18</b>	Application of harmonic analysis in the preliminary prediction of hourly air temperature of Anand station	SS/ Basic Science, BACA/2022/01	Professor & Head, Department of Basic Sciences and Humanities, BACA, AAU, Anand
<b>18.9.3.19</b>	Development and standardization of a scale to measure attitude of youth towards Agri - startup programs	SS/ Ext. Edu.(BACA) /2022/01	Professor & Head, Dept. of Agril. Extension and Communication, BACA, AAU, Anand
<b>18.9.3.20</b>	Entrepreneurial ability of girl students of agriculture faculty of State Agricultural Universities of Gujarat	SS/ Ext. Edu.(BACA) /2022/02	Professor & Head, Dept. of Agril. Extension and Communication, BACA, AAU, Anand
<b>18.9.3.21</b>	Economic feasibility and farmers' willingness to adopt solar-powered irrigation pumps for self-reliance	SS/ Ext. Edu.(BACA) /2022/03	Professor & Head, Dept. of Agril. Extension and Communication, BACA, AAU, Anand
<b>18.9.3.22</b>	Development of a scale to measure attitude of trainees towards online training programmes	SS/ EEI /2022/01	Director, EEI, AAU, Anand
<b>18.9.3.23</b>	Consequences of Agriculture Skill Council of India training programme on trainees	SS/ EEI /2022/02	Director, EEI, AAU, Anand
<b>18.9.3.24</b>	Horizontal spread of Gujarat Anand Okra-5 among the okra growers	SS/ EEI /2022/03	Director, EEI, AAU, Anand
<b>18.9.3.25</b>	Horizontal spread of tomato cultivar GAT-5 among	SS/ EEI /2022/04	Director, EEI, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	the tomato growers		
18.9.3.26	Group cohesiveness among members of Farm Women Interest Groups in Kheda District	SS/ CAIT (Agril. Sci.) /2022/01	Professor & Head, Department of Agricultural Sciences, CAIT, AAU, Anand
18.9.3.27	Knowledge and adoption of natural farming practices among the trained cotton growers of Chhotaudepur district	SS/ CoA, Jabugam/2022/01	Principal, CoA, AAU, Jabugam
18.9.3.28	Horizontal spread of Gujarat Anand Mungbean 5 among the mungbean growers	<b>Not Approved</b>	Principal, CoA, AAU, Jabugam
18.9.3.29	Horizontal spread of Shyamal (GAU-4) among the urd bean growers	SS/ CoA, Jabugam/2022/02	Principal, CoA, AAU, Jabugam
18.9.3.30	Knowledge and adoption of dairy farmers about bovine ecto-parasites in Anand and Kheda districts	<b>Not Approved</b>	Professor & Head, Dept. of Extension Education, Veterinary Sci. College, Anand
18.9.3.31	Knowledge of vegetable growers on the protective measures of using pesticides	SS/ IDEA /2022/01	Director, IDEA, AAU, Anand
18.9.3.32	An explorative study on rooftop gardening in Vadodara city of Gujarat	SS/ Horti.(Poly.), Vadodara /2022/01	Principal, Polytechnic in Horticulture, AAU, Vadodara
18.9.3.33	Training needs of chickpea growers in Panchmahal district	SS/ ARS, Derol/2022/01	Associate Research Scientist, Agril. Research Station, AAU, Derol
18.9.3.34	Study of credibility of different information sources used by the farmers of Panchmahals district	SS/ MMRS, Godhra/2022/01	Research Scientist, Main Maize Research Station, AAU, Godhra
18.9.3.35	Horizontal spread of Gujarat Anand Desi Cotton 2 among the desi cotton growers	SS/KVK, Arnej /2022/01	Senior Scientist & Head, KVK, AAU, Arnej
18.9.3.36	Horizontal spread of Gujarat Anand Rice 13 among the rice growers in Anand district	SS/KVK, Devataj /2022/01	Senior Scientist & Head, KVK, AAU, Devataj
18.9.3.37	An economic analysis of dairy farmers in Chhotaudepur district of Gujarat	SS/ KVK, Mangal Bharati /2022/01	Senior Scientist & Head, KVK, Mangal Bharti, Vadodara
18.9.3.38	Horizontal spread of Gujarat Anand Mungbean (GAM)-5 among the mungbean growers in Chhotaudepur district of Gujarat	SS/ KVK, Mangal Bharati /2022/02	Senior Scientist & Head, KVK, Mangal Bharti, Vadodara

<b>Sr. No.</b>	<b>Title of Experiment</b>	<b>Code Number</b>	<b>Implementing Department/Unit</b>
<b>18.9.3.39</b>	Attitude of farmers towards Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme in Kheda district	SS/KVK(Dethali), Kheda /2022/01	Senior Scientist & Head, KVK, AAU, Kheda
<b>18.9.3.40</b>	Horizontal spread of GG 34 variety among the groundnut growers of Kheda district	SS/KVK(Dethali), Kheda /2022/02	Senior Scientist & Head, KVK, AAU, Kheda
<b>18.9.3.41</b>	Horizontal spread of NRC 37 among the soybean growers	SS/KVK, Dahod /2022/01	Senior Scientist & Head, KVK, AAU, Dahod
<b>18.9.3.42</b>	Horizontal spread of GAC 11 variety of castor adopted by farmers of Middle Gujarat	SS/FTTC, Sansoli/2022/01	Head, FTTC, AAU, Sansoli-Nenpur
<b>18.9.3.43</b>	Role performance of tribal farm women in agriculture and allied sectors	SS/TRTC, Devgadha Baria/2022/01	Head, TRTC and TFWTC, AAU, Devgadha Baria
<b>18.9.3.44</b>	Nutritional status and food consumption pattern of tribal farm women of Dahod district	SS/TRTC, Devgadha Baria/2022/02	Head, TRTC and TFWTC, AAU, Devgadha Baria
<b>18.9.3.45</b>	Knowledge level of Integrated Pest and Disease management practices among okra growing farmers of Dahod district	SS/Agri-Polyclinic, Dahod /2022/01	Head, Agri.-Polyclinic for Tribal Farmers, AAU, Dahod
<b>18.9.3.46</b>	Awareness about climate change among the farmer friends of Dahod district	SS/Agri-Polyclinic, Dahod /2022/02	Head, Agri.-Polyclinic for Tribal Farmers, AAU, Dahod