

**DIRECTORATE OF RESEARCH
ANAND AGRICULTURAL UNIVERSITY
UNIVERSITY BHAVAN, ANAND-388 110 (Gujarat)**



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No. AAU/DR/RES/T-3/ 10643 /2021

Date: 06/01/2021

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.....16th Combined AGRESCO

Enclosed, please find herewith the code numbers assigned to the new technical programme/s which is/are approved in 16th Combined AGRESCO of SAUs and Kamdhenu University held during 18th June to 30th July, 2020 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 16TH COMBINED AGRESKO HELD ONLINE AT NAU, NAVSARI (2020)

Abbreviations

CI : Crop Improvement

CP : Crop Production

PP : Plant Protection

SS :Social Sciences

AP : Animal Production and Fisheries

AH : Animal Health

**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
16.1 Crop Improvement			
16.1.3.1	Effect of mechanical scarification and biofertilizer treatments on seed quality enhancement in senna (<i>Senna alexandrina</i> Mill.)	CI/ Genetics & Plant Breeding /2020/01	Head, Dept. of Seed Science and Technology, BACA, AAU, Anand
16.2 Crop Production			
16.2.3.1	Evaluation of low cost natural farming in maize + soybean - wheat + chickpea cropping system	CP/Agronomy/2020/01	Professor and Head, Dept. of Agronomy, BACA, AAU, Anand
16.2.3.2	Effect of Nano NP fertilizer on growth, yield and quality of summer fodder maize	CP/SS&Ag.Chem/2020/01	Professor and Head, Dept. of SSAC, BACA, AAU, Anand
16.2.3.3	Effect of nano zinc fertilizer on growth, yield and quality of oat	CP/SS&Ag.Chem/2020/02	Professor and Head, Dept. of SSAC, BACA, AAU, Anand
16.2.3.4	Parameterization and evaluation of Weather Research and Forecasting (WRF) modelling system for Anand region	CP/Ag. Meteorology/2020/01	Professor and Head, Dept. of Agril. Metrology, BACA, AAU, Anand
16.2.3.5	Moisture stress detection in <i>rabi</i> sunflower (<i>Helianthus annuus</i> L.) used on canopy-air temperature differential measurements	CP/Ag. Meteorology/2020/02	Professor and Head, Dept. of Agril. Metrology, BACA, AAU, Anand
16.2.3.6	Effect of spacing and fertilizer on summer groundnut variety GG 34	CP/RRS, Anand/2020/01	Associate Research Scientist, RRS, AAU, Anand
16.2.3.7	Effect of nitrogen levels on yield and quality of bidi tobacco varieties under middle Gujarat conditions	CP/BTRS/2020/01	Associate Research Scientist, BTRS, AAU, Anand
16.2.3.8	Weed management in onion	CP/Weed Control/2020/01	Agronomist, AICRP-Weed Management, BACA, AAU, Anand
16.2.3.9	Weed management in onion nursery	CP/Weed Control/2020/02	Agronomist, AICRP-Weed Management, BACA, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.2.3.10	Screening of wheat genotypes /varieties for iron (Fe) efficiency	CP/ Micronutrient/2020/01	Associate Research Scientist, Micronutrient Res. Scheme, AAU, Anand
16.2.3.11	Screening of wheat genotypes /varieties for manganese (Mn) efficiency	CP/ Micronutrient/2020/02	Associate Research Scientist, Micronutrient Res. Scheme, AAU, Anand
16.2.3.12	Effect of time of sowing and irrigation scheduling at critical growth stages on summer groundnut	CP/CoA, Jabugam/2020/01	Principal, CoA, AAU, Jabugam
16.2.3.13	Effect of time of sowing and spacing on semi <i>rabi</i> black gram	CP/CoA, Jabugam/2020/02	Principal, CoA, AAU, Jabugam
16.2.3.14	Evaluation of soybean based cropping system in middle Gujarat condition (Tribal area of Chhotaudepur district)	CP/CoA, Jabugam/2020/03	Principal, CoA, AAU, Jabugam
16.2.3.15	Performance of <i>rabi</i> sweet corn under different levels of nitrogen, phosphorus and potash applied through drip system	CP/ TRTC, Devgadha Baria/2020/01	Research Scientist, TRTC, AAU, Devgadha Baria
16.2.3.16	Effect of sowing time and variety on growth and yield of chickpea	CP/ ARS, Derol/2020/01	Associate Research Scientist, ARS, Derol
16.2.3.17	Response of castor (GCH 10) to spacing and nitrogen under irrigated condition	CP/ ARS, Derol/2020/02	Associate Research Scientist, ARS, Derol
16.2.3.18	Effect of spacing and nitrogen levels on yield of desi cotton variety Wagad Gaurav under rainfed condition	CP/ RCRS, Viramgam/2020/01	Associate Research Scientist, RCRS, AAU, Viramgam
16.2.3.19	Evaluation of nutrient management modules in pearl millet + blackgram - wheat + chickpea cropping system	CP/AIT/2020/01	Assistant Research Scientist, AITC, AAU, Anand
16.2.3.20	Evaluation of nutrient management modules in different cropping systems	CP/ TRTC, Devgadha Baria/2020/02	Research Scientist, TRTC, AAU, Devgadha Baria
16.2.3.21	Evaluation of nutrient management modules in cotton + pigeonpea intercropping system	CP/ NIRP, Khandha/2020/01	Assistant Research Scientist, NIRP, AAU, Khandha
16.3 Plant Protection			
I. Agril Entomology			
16.3.3.1	Bio-efficacy of insecticides against wheat aphid	PP/Entomology(BACA) /2020/01	Professor and Head, Department of Entomology, BACA, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.3.3.2	Bio-efficacy of organic inputs against aphid in fennel	PP/Entomology(BACA)/2020/02	Professor and Head, Department of Entomology, BACA, AAU, Anand
16.3.3.3	Biological suppression of fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) (Lepidoptera: Noctuidae) in maize	PP/Biological control/2020/01	Research Scientist, AICRP on Biological Control, AAU, Anand
16.3.3.4	Isolation, characterization and bioassay studies of <i>Spodoptera frugiperda</i> nuclear polyhedrosis virus (SfNPV)	PP/Biological control/2020/02	Research Scientist, AICRP on Biological control, AAU, Anand
16.3.3.5	Estimation of losses to agricultural crops by Blue bull (<i>Boselaphustragocamelus</i>) in Anand District	Not approved	Ornithologist, AINPVPM: Agril. Ornithology, AAU, Anand
16.3.3.6	Bioefficacy of different mycoinsecticides for the management of leaf eating caterpillar, <i>Spodoptera litura</i> (F) in bidi tobacco nursery	PP/ BTRS(Ento)//2020/01	Assistant Research Scientist (Ento.), BTRS, AAU, Anand
16.3.3.7	Decontamination study of pesticides in green chilli	PP/Pesticide Residues/2020/01	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.8	Decontamination study of pesticides in okra	PP/Pesticide Residues/2020/02	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.9	Residues and persistence of fluopyram 250 g/L + trifloxystrobin 250 g/L SC in chilli	PP/Pesticide Residues/2020/03	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.10	Residues and persistence of fluopyram 400 g/L SC in chilli	PP/Pesticide Residues/2020/04	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.11	Residues and persistence of fosetyl Al. 80 WP in banana	PP/Pesticide Residues/2020/05	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.12	Residues and persistence of cyantraniliprole 7.3% + diafenthiuron 36.4% SC in tomato	PP/Pesticide Residues/2020/06	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.13	Residues and persistence of cyantraniliprole 7.3% + diafenthiuron 36.4% SC in brinjal	PP/Pesticide Residues/2020/07	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.14	Residues and persistence of cyantraniliprole 7.3% + diafenthiuron 36.4% SC in okra	PP/Pesticide Residues/2020/08	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.15	Residues and persistence of fluopyram 200 g/L + tebuconazole 200 g/L SC in banana	PP/Pesticide Residues/2020/09	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.3.3.16	Residues and persistence of fosetyl Al. 80 WP in/on bengal gram	PP/Pesticide Residues /2020/10	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.17	Residues and persistence of thiodicarb 75 WP in maize	PP/Pesticide Residues /2020/11	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.18	Residues and persistence of tetraniliprole 200 g/L SC in maize	PP/Pesticide Residues /2020/12	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.19	Residues and persistence of flubendiamide 90 g/L + deltamethrin 60 g/L SC in maize	PP/Pesticide Residues /2020/13	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.20	Residues and persistence of fluoxapiprolin 30 g/L + fluopicolide 200 g/L SC in potato	PP/Pesticide Residues /2020/14	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.21	Residues and iprovalicarb 8.4 + Copper Oxy Chloride 40.6 % WG in potato	PP/Pesticide Residues /2020/15	Residue Analyst, AINP on Pesticide Residues, ICAR, AAU, Anand
16.3.3.22	Bio-efficacy of ready-mix insecticides against pod borer, <i>Maruca vitrata</i> (Fabricius) in cowpea	PP/Poly. Anand (Ento.) /2020/01	Assistant Professor (Ento.), Polytechnic in Agriculture, AAU, Anand
16.3.3.23	Bio-efficacy of organic inputs against aphid infesting broccoli (<i>Brassica oleracea</i> var. <i>italica</i> L.)	PP/CoH, Anand (Ento) /2020/01	Assistant Professor (Ento.), College of Horticulture, AAU, Anand
16.3.3.24	Effect of insecticidal hydropriming on sucking pests of mungbean	PP/ RRS (Ento.) /2020/01	Assistant Research Scientist (Ento.), RRS, AAU, Anand
16.3.3.25	Evaluation of insecticides as seed treatment against fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) in maize	PP/MMRS (Ento.), Godhra /2020/01	Asst. Res. Scientist (Ento.), MMRS, AAU, Godhara
16.3.3.26	Evaluation of insecticides as a seed treatment against thrips in summer green gram	Not approved	Asst. Res. Scientist (Ento.), ARS, AAU, Derol
16.3.3.27	Evaluation of organic inputs for management of cowpea pod borer, <i>Maruca vitrata</i> (Fabricius)	PP/ CoA (Ento.), Vaso / 2020/01	Asst. Professor (Ento.), CoA, AAU, Vaso
16.3.3.28	Evaluation of organic inputs for management of mustard aphid, <i>Lipaphis erysimi</i> (Kaltenbach)	PP/ CoA (Ento.), Vaso / 2020/02	Asst. Professor (Ento.), CoA, AAU, Vaso
16.3.3.29	Bio-efficacy of insecticides against <i>Caliothrips indicus</i> Bagnall on pea	PP/ CoA (Ento.), Jabugam / 2020/01	Asst. Professor (Ento.), College of Agriculture, AAU, Jabugam
16.3.3.30	Seasonal incidence of insect-pests of soybean and	PP/TRTC (Ento.), Devghadh	Training Associate (Pl. Prot.),

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	their natural enemies	Baria /2020/01	TRTC, AAU, Devgadh Baria
II. Plant Pathology and Nematology			
16.3.3.31	Evaluation of organic inputs for the management of root rot in mungbean	PP/Pathology /2020/01	Professor & Head, Dept. of Plant Pathology, BACA, AAU, Anand
16.3.3.32	Evaluation of organic inputs against major foliar diseases of tomato	PP/Pathology /2020/02	Professor & Head, Dept. of Plant Pathology, BACA, AAU, Anand
16.3.3.33	Evaluation of nematicides against <i>Meloidogyne incognita</i> infestation in capsicum in polyhouse	PP/ Nematology /2020/01	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
16.3.3.34	Evaluation of nematicides for the management of root-knot nematode in tomato	PP/Nematology/2020/02	Professor & Head, Dept. of Nematology, BACA, AAU, Anand
16.3.3.35	Efficacy of ready mix fungicides for the management of damping-off disease in bidi tobacco nursery	PP/BTRS (Patho.) /2020/ 01	Assoc. Res. Scientist (Patho.), BTRS, AAU, Anand
16.3.3.36	Evaluation of organic inputs against major diseases of turmeric	PP/CoH (Patho.)/2020/01	Asst. Professor (Patho.), CoH, AAU, Anand
16.3.3.37	Evaluation of organic inputs against major foliar diseases of okra	PP/CoA (Patho.), Jabugam & CoA (Patho.), Vaso/2020/01	Asst. Professor (Patho.), CoA, AAU, Jabugam, Asst. Professor (Patho.), CoA, AAU, Vaso
16.3.3.38	Field evaluation of fungicides for the management of powdery mildew of okra	PP/CoA (Patho.), Jabugam /2020/02	Asst. Professor (Patho.), CoA, AAU, Jabugam
16.3.3.39	Screening of various white and yellow genotypes of maize against late wilt under artificial inoculation conditions	PP/MMRS (Patho.), Godhra /2020/01	Asst. Research Scientist (Pl. Path.), MMRS, AAU, Godhara
16.3.3.40	Evaluation of organic inputs against major foliar diseases of okra	Experiment No. 37 & 40 are the same, so it should be taken at two location with considering only one experiment	Convener, CPSC, AAU, Anand
16.4 Horticulture and Agro Forestry			
16.4.3.1	Effect of integrated nutrient management on growth and yield of potato (<i>Solanum tuberosum L</i>)	CP/CoH, Anand/2020/01	College of Horticulture, AAU, Anand
16.4.3.2	Evaluation of nutrient management modules in okra + cowpea - cabbage + fenugreek intercropping system	CP/CoH, Anand/2020/02	College of Horticulture, AAU, Anand
16.4.3.3	Effect of N, P and K application on yield and quality of watermelon	CP/CoA, (Horti.) Jabugam /2020/01	Agriculture Research Station, College of Agriculture, AAU,

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
			Jabugam
16.4.3.4	Effect of bio-stimulants on growth and yield of onion (<i>Allium cepa</i> L.) under middle Gujarat	CP/ Poly tech. (Horti.), Vadodara /2020/01	Sheth D. M. Polytechnic In Horticulture, AAU, Vadodara
16.4.3.5	Effect of different rate and frequency of foliar application of zinc on growth, yield and quality of tomato	CP/Micronutrient/2020/01	Micronutrient Research Scheme (ICAR), AAU, Anand
16.5 Basic science			
16.5.3.1	Synthesis, stability analysis of nano-thymol and evaluation of its anti-microbial activity for development of axenic cultures in tissue culture crops	CI/ Tissue Culture, Anand /2020/01	Assistant Professor, Plant Tissue Culture Laboratory, Department of Agricultural Biotechnology, AAU, Anand
16.5.3.2	Nutraceutical characterization of Garden cress (<i>Lepidium sativum</i>) at various growth stages	CI/ Biochemistry (BACA) /2020/01	Professor & Head, Department of Biochemistry, BACA, AAU, Anand
16.6 Social Science			
16.6.3.46	An economic effect evaluation of GAR -13 in Kheda district of middle Gujarat	SS/Ag. Econ/2020/01	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand
16.6.3.47	Role of Women Dairy Cooperative Societies on Income and Employment of Women in Anand District of Gujarat	SS/Ag. Econ/2020/02	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand
16.6.3.48	Growth and export potential of agricultural commodities in India	SS/Ag. Econ/2020/03	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand
16.6.3.49	Economic evaluation of production and marketing of potato in Anand and Kheda district	SS/Ag. Econ/2020/04	Professor & Head, Dept. of Agril. Econ., BACA, AAU, Anand
16.6.3.50	Impact Assessment of AAU's new Green Gram variety, GAM-5 vis-à-vis a competing variety	SS/ IABMI/2020/01	Principal & Dean, IABMI, AAU, Anand
16.6.3.51	Working capital analysis of Food Processing Companies in India	SS/ IABMI/2020/02	Principal & Dean, IABMI, AAU, Anand
16.6.3.52	Evaluation of workshops under NAHEP - CAAST, Anand Agricultural University, Anand	SS/ IABMI/2020/03	Principal & Dean, IABMI, AAU, Anand
16.6.3.53	Production and Marketing of Goat in Dahod District in Central Gujarat	SS/ IABMI/2020/04	Principal & Dean, IABMI, AAU, Anand
16.6.3.54	Awareness of Agricultural Application available on Smartphone among the participants of training programme of Sardar Smruti Kendra, Anand	SS/DBM/2020/01	Professor & Head, DoDBM, Dairy Sci. College, AAU, Anand
16.6.3.55	Cash flow Statement Analysis of District Milk Cooperative Unions	SS/DBM/2020/02	Professor & Head, DoDBM, Dairy Sci. College, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.6.3.56	Consumer's awareness, perception and acceptance of various types of functional foods in selected cities of Gujarat	SS/FPT&BE/2020/01	Professor & Head, FBM, College of FPT&BE, AAU, Anand
16.6.3.57	Comparison of different statistical models to forecast the area, production and productivity of major fruit crops in Gujarat	SS/Ag. Statistics/2020/01	Professor & Head, Dept. of Ag. Statistics, BACA, AAU, Anand
16.6.3.58	Pre-harvest forecasting of paddy yield based on weather parameters using different statistical methods for middle Gujarat	SS/ Basic Science/2020/01	Professor & Head, Dept. of Basic Science and Humanities, BACA, AAU, Anand
16.6.3.59	Development of a tool to measure the self-working confidence to be a successful poultry farmers	SS/ Ext. Edu.(BACA) /2020/01	Professor & Head, Dept. of Agril. Extension and Communication, BACA, AAU, Anand
16.6.3.60	Knowledge and attitude of women about kitchen gardening	SS/ Ext. Edu.(BACA) /2020/02	Professor & Head, Dept. of Agril. Extension and Communication, BACA, AAU, Anand
16.6.3.61	Rural area working zeal of farmers' children pursuing agriculture graduation in SAUs of Gujarat	SS/ Ext. Edu.(BACA) /2020/03	Professor & Head, Dept. of Agril. Extension and Communication, BACA, AAU, Anand
16.6.3.62	Veterinary practices workability of farmers' sons	SS/ EEI /2020/01	Director, EEI, AAU, Anand
16.6.3.63	Follow up study of workshop on use of mass media for transfer of technology	SS/ EEI /2020/02	Director, EEI, AAU, Anand
16.6.3.64	Effectiveness of training programmes conducted by EEI, Anand	SS/ EEI /2020/03	Director, EEI, AAU, Anand
16.6.3.65	Retention of knowledge and adoption of trained farmers about quality seed production	SS/DoEE /2020/01	Director, Extension Education, AAU, Anand
16.6.3.66	Retention of knowledge and adoption of trained farmers about cultivation practices of medicinal and aromatic plants	SS/DoEE /2020/02	Director, Extension Education, AAU, Anand
16.6.3.67	E-agriculture employability of students studying in B. Tech. (AIT) of AAU, Anand	SS/ AIT /2020/01	Professor & Head, Dept. of Agril. Science, AIT, AAU, Anand
16.6.3.68	Perception of UG students about educational environment at Jabugam campus	SS/CoA, Jabugam/2020/01	Principal, College of Agriculture, AAU, Jabugam
16.6.3.69	Awareness about educational courses run by SAUs among higher secondary science stream students in Chhotaudepur district of Gujarat	SS/CoA, Jabugam/2020/02	Principal, College of Agriculture, AAU, Jabugam
16.6.3.70	Feeding practices adopted by buffalo owners in Anand District	SS/ Ext. Edu, Veterinary/2020/01	Professor and Head, Deptt. of Veterinary Extension, College of Veterinary Science, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.6.3.71	Attitude of the farm women of Vaso taluka of Kheda district towards dairy entrepreneurship	SS/ CoA, Vaso/ 2020/01	Principal, Agriculture College, AAU, Vaso
16.6.3.72	Mechanization need of the farmers to minimize the drudgery problem	SS/ CoA, Vaso/ 2020/02	Principal, Agriculture College, AAU, Vaso
16.6.3.73	Assessment of eating attitude among AAU students residing in hostel	SS/ PFSHE/2020/01	Principal, Polytechnic in Food Science & Home Economics, AAU, Anand
16.6.3.74	Knowledge level and adoption of control measures for subclinical mastitis among dairy farmers of Vadodara district	SS/ Horti.(Poly.), Vadodara /2020/01	Principle, Polytechnic in Horticulture, AAU, Vadodara
16.6.3.75	Awareness and opinion of farmers about the technological traits of maize cultivar GAYMH-1	SS/ ARS, Derol/2020/01	Associate Research Scientist, Agril. Research Station, AAU, Derol
16.6.3.76	Awareness and opinion of farmers about the technological traits of castor cultivar GAC-11	SS/ MMRS, Godhra/2020/01	Research Scientist, Main Maize Research Station, AAU, Godhra
16.6.3.77	Adoption of scientific bovine keeping practices by professional breeders of Ahmedabad district	SS/KVK, Arnej /2020/01	Senior Scientist & Head, KVK, AAU, Arnej
16.6.3.78	Utilization of medicinal plants by rural women of Dholka Taluka for common ailments	SS/KVK, Arnej /2020/02	Senior Scientist & Head, KVK, AAU, Arnej
16.6.3.79	Knowledge and adoption of kitchen gardening by tribal women in Chhotaudepur district of Gujarat	SS/ KVK, Mangal Bharati /2020/01	Senior Scientist & Head, KVK, Mangal Bharti, Vadodara
16.6.3.80	Awareness of buffalo owners in tribal area about causes of infertility	SS/KVK, Dahod /2020/01	Sr. Scientist & Head, KVK, AAU, Dahod
16.6.3.81	Migration behavior of tribal families of Dahod district of Gujarat	SS/PVK, Devgad Baria /2020/01	Senior Scientist & Head, Pashu Vigyan Kendra, AAU, Devgadbaria
16.6.3.82	Prevailing buffalo calf rearing practices and mortality pattern in operational area of Dairy Vigyan Kendra, Vejalpur	SS/DVK, Vejalpur /2020/01	Senior Scientist & Head, Dairy Vigyan Kendra, AAU, Vejalpur
16.6.3.83	Knowledge and adoption about IPM among paddy growers of Mahemdavad Taluka in Kheda district	SS/FTTC, Nenpur-Sansoli /2020/01	Head, Farm Technology Training Centre, Nenpur-Sansoli
16.6.3.84	Training need of tribal farmers of Dahod district in agriculture	SS/ TRTC & TFWTC, Devgad Baria /2020/01	Head, TRTC & TFWTC, AAU, Devgadbaria
16.6.3.85	Knowledge level of Integrated Pest and Disease Management practices among Maize growing farmers of Dahod and Garbada talukas of Dahod district	SS/ Agri Polyclinic, HMS, Dahod, /2020/01	Head, Agri - Polyclinic for Tribal Farmers, AAU, Dahod (Hill Millet Research Station)

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16.7 Animal Health			
16.7.3.6	Studies on sub-acute toxicity of cinnamon oil (<i>Cinnamomum zeylanicum</i>) in rats.	AH/Pharmacology & Toxicology /2020/01	Professor & Head, Dept. of Pharmacology & Toxicology, Vet. College, AAU, Anand
16.7.3.7	Study on Pharmacokinetic–Pharmacodynamic (PK-PD) integration of cefpirome in sheep	AH/Pharmacology & Toxicology /2020/02	Professor & Head, Dept. of Pharmacology & Toxicology, Vet. College, AAU, Anand
16.7.3.8	Prevalence of paramphistomosis with special reference Caprine in in Anand Taluka	AH/ Vet. Parasitology /2020/ 01	Professor & Head, Dept. of Parasitology, Vet. College, AAU, Anand
16.7.3.9	Studies on diagnosis and therapeutic management of mange in camels (<i>Camelus dromedarius</i>).	AH/ Vet. Medicine/2020/ 01	Professor & Head, Dept. of Medicine, Vet. College, AAU, Anand
16.7.3.10	Study on etiological factors and haemato-biochemical changes associated with vomition in dogs.	AH/ Vet. Medicine/2020/ 02	Professor & Head, Dept. of Medicine, Vet. College, AAU, Anand
16.7.3.11	Isolation, identification and antimicrobial sensitivity pattern of different bacterial species isolated from houseflies in and around Anand district.	AH/Vet. Microbiology /2020/01	Professor & Head, Dept. of Microbiology, Vet. College, AAU, Anand
16.7.3.12	Seroprevalence of <i>Mycoplasma</i> infection in goats	AH/Vet. Microbiology /2020/02	Professor & Head, Dept. of Microbiology, Vet. College, AAU, Anand
16.7.3.13	In Vitro Embryo Production and Pregnancy Rates from OPU-IVEP using Sexed Semen in Cattle.	AH/ Gynaecology and Obstetrics /2020/01	Professor & Head, Department of Gynaecology & Obstetrics, Vet. College, AAU, Anand
16.7.3.14	Evaluation of Cryoprotective and Capacitation Inhibitory Potential of Mifepristone, Sericin and Taurine in TYFG Extender for Bovine Semen	AH/ Gynaecology and Obstetrics /2020/02	Professor & Head, Department of Gynaecology & Obstetrics, Vet. College, AAU, Anand
16.7.3.15	Kisspeptin as Modulator of Ovarian Dynamics, Endocrine Profile and Fertility in Buffalo.	AH/ Gynaecology and Obstetrics /2020/03	Professor & Head, Department of Gynaecology & Obstetrics, Vet. College, AAU, Anand
16.7.3.16	Development of rapid multiplex PCR method for simultaneous detection of gram-negative food borne pathogens	AH/ VPH /2020/01	Prof. and Head, Dept. of Vet. Public Health & Epidemiology, Veterinary College, AAU, Anand
16.7.3.17	Determination of Antibiotic Sensitivity of <i>Lactobacillus</i> spp. by molecular techniques.	AH/ VPH /2020/02	Prof. and Head, Dept. of Vet. Public Health & Epidemiology, Veterinary College, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.7.3.18	Comparative Analysis of Tetracycline Residues from Milk in and around Anand.	AH/ VPH /2020/03	Prof. and Head, Dept. of Vet. Public Health & Epidemiology, Veterinary College, AAU, Anand
16.7.3.19	Studies on Management of Surgical affections of External Ear in Canines.	AH/ Surgery & Radiology /2020/01	Prof. and Head, Dept. of Vet. Surgery & Radiology, Veterinary College, AAU, Anand
16.7.3.20	Studies on Ketamine-Medazolam, Isoflurane and Sevoflurane Induction and Maintenance with and without Butorphanol Premedication in Birds.	AH/ Surgery & Radiology /2020/02	Prof. and Head, Dept. of Vet. Surgery & Radiology, Veterinary College, AAU, Anand
16.7.3.21	Studies on Surgico-therapeutic Management of Corneal Ulcer in Dogs.	AH/ Surgery & Radiology /2020/03	Prof. and Head, Dept. of Vet. Surgery & Radiology, Veterinary College, AAU, Anand
16.7.3.22	Clinical Studies on affections of anal glands in dogs.	AH/ Clinical Complex /2020/01	Prof. & Head, Department of Vet. Clinical Complex, Vet. College, AAU, Anand
16.8 Animal Production and Fisheries			
16.8.3.21	Effect of feeding <i>Moringa oleifera</i> fodder in growing dairy animals	AP/LRS/2020/01	Research Scientist, LRS, Veterinary College, AAU, Anand
16.8.3.22	Optimization of the age at maturity in Surti buffalo heifers supplemented with bypass protein and bypass fat.	AP/ RBRU /2020/01	Research Scientist & Head, RBRU, Veterinary College, AAU, Anand
16.8.3.23	Optimization of dietary energy and protein level of native chicken of North Gujarat (Aravali).	AP/ Poultry /2020/01	Research Scientist & Head, Poultry Research Station, Veterinary College, AAU, Anand
16.8.3.24	Effect of Direct Fed Microbials on digestibility and rumen fermentation in large ruminants.	AP/ANRS/2020/01	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.25	Study of the feeding and Management practices of pet dogs in Anand.	Not Approved	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.26	Effect of Supplementation of Solid State Fermentation (SSF) Biomass on Growth Performance of Crossbred Heifers	AP/ANRS/2020/02	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.27	Replacement of maize with wheat on performance of broilers	AP/ANRS/2020/03	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.28	Effect of feeding Ashwagandha and Shatavari roots on growth of Surti kids	AP/ANRS/2020/04	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.29	Methane mitigation in Lactating Crossbred cow under different feeding regimes	AP/ANRS/2020/05	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.30	Methane mitigation by dietary interventions and its	AP/ANRS/2020/06	Research Scientist & Head, ANRS,

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	effect on growth performance of buffalo calves.		Veterinary College, AAU, Anand
16.8.3.31	Effect of feeding <i>Moringa oleifera</i> leaves on digestibility in adult cattle	AP/ANRS/2020/07	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.32	Study on effect of different sources of Zn on performance of growing small/large ruminants	AP/ANRS/2020/08	Research Scientist & Head, ANRS, Veterinary College, AAU, Anand
16.8.3.33	Exploring chicken micro-biome, its antimicrobial resistance (AMR), gene profile and production potential in response to antibiotics and feed additives.	AP/Ani. Biotech/2020/01	Professor and Head, Dept. of Animal Biotechnology, Veterinary College, AAU, Anand
16.8.3.34	Screening of indigenous, crossbred cattle population for β casein A1/A2 protein gene variants using KASP Assay.	AP/AGB/2020/01	Professor & Head, Dept. of Animal Genetics & Breeding, Vet. College, AAU, Anand
16.8.3.35	Comparative study of efficacy of different methods of probiotic application on broiler performance	AP/Ani. Sci.(BACA)/2020/01	Professor & Head, Animal Science, BACA, AAU, Anand
16.8.3.36	Efficacy of herbal formulation (pulverized leaves of <i>Aegle marmelos</i> and <i>Murraya koenigii</i>) in ameliorating infertility in dairy animals.	AP/KVK, Dahod/2020/01	Senior Scientist & Head, KVK, AAU, Dahod
16.9 Agricultural Engineering and AIT			
16.9.3.12	Monthly Forecasts of SPI and SPEI Drought Indices in Middle Gujarat	AE·AIT/ AE /2020/01	Head, Dept. of IDE, CAET, AAU, Godhra
16.9.3.13	Taluka wise rainfall data repository of Gujarat state using text- mining approach	AE·AIT/ AE /2020/02	Head, BEAS, CAET, AAU, Godhra
16.9.3.14	Technology for reduction of browning in Custard Apple Pulp	Not Approved	Principal, PAE, AAU, Dahod
16.9.3.15	Study on the relationship between weather parameters and rice productivity for Kheda district Using Data Mining Approaches	AE·AIT/ AIT /2020/01	Professor and Head, Dept. of AIT, College of AIT, AAU, Anand
16.9.3.16	DNA Fingerprinting Information System (DFIS)	AE·AIT/ AIT /2020/02	Professor and Head, Dept. of AIT, College of AIT, AAU, Anand
16.9.3.17	Transformation of Information through Multimedia Based Interactive Media for AAU Museum, ATIC center and SSK	Not Approved	Director, IT, DIT, AAU, Anand
16.9.3.18	Modeling of area, production and productivity of maize crop for Anand/Kheda	AE·AIT/ DIT /2020/01	Director, IT, DIT, AAU, Anand
16.9.3.19	Development of mobile based application for Asset Management using RFID tagging	Not Approved	Director, IT, DIT, AAU, Anand
16.9.3.20	Development of Veterinary Microbiology Diagnostic Report Management System for	AE·AIT/ DIT /2020/02	Director, IT, DIT, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
	Veterinary College, AAU		
16.9.3.21	Development of Web Portal and Mobile App for World Bank Funded NAHEP-CAAST Project	Not Approved	Director, IT, DIT, AAU, Anand
16.10 Dairy Science & Food Processing Technology & Bio-energy			
16.10.3.1	Comparative appraisal of mozzarella cheese analogues prepared using acid casein, rennet casein and their admixture	DS/Dairy Technology, /2020/01	Prof & Head, Dept of DT, DSC, AAU, Anand
16.10.3.2	Quality characteristics of Mozzarella cheese as influenced by dry plasticizing methods	DS/Dairy Technology, /2020/02	Prof & Head, Dept of DT, DSC, AAU, Anand
16.10.3.3	Development of technology for the manufacture of a protein enriched moringa fortified spread	DS/Dairy Technology, /2020/03	Prof & Head, Dept of DT, DSC, AAU, Anand
16.10.3.4	Development of technology for manufacture of low fat paneer	DS/Dairy Technology, /2020/04	Prof & Head, Dept of DT, DSC, AAU, Anand
16.10.3.5	Quantification of selected adulterants in milk using existing qualitative tests	DS/Dairy Chemistry /2020/01	Prof. & Head, Dept. of Dairy Chemistry, AAU, Anand
16.10.3.6	Evaluating the effect of selected spices on cholesterol level in ghee	DS/Dairy Chemistry /2020/02	Prof. & Head, Dept. of Dairy Chemistry, AAU, Anand
16.10.3.7	Development of whey based candy incorporating <i>Moringa oleifera</i>	DS/Dairy Chemistry /2020/03	Prof. & Head, Dept. of Dairy Chemistry, AAU, Anand
16.10.3.8	Development of enrichment broth for selective growth of coliforms	DS/Dairy Microbiology /2020/01	Prof. & Head, Dept. of Dairy Microbiology, DSC, AAU, Anand
16.10.3.9	Production of bioactive peptides with Antioxidative activity from Fermented camel milk	DS/Dairy Microbiology /2020/02	Prof. & Head, Dept. of Dairy Microbiology, DSC, AAU, Anand
16.10.3.10	Development of fermented cactus pear (<i>Opuntia ficus-indica</i>) beverage. (under the plan scheme- Development of dairy starter cultures and value added dairy products)	DS/Dairy Microbiology /2020/03	Prof. & Head, Dept. of Dairy Microbiology, DSC, AAU, Anand
16.10.3.11	Mechanized manufacture of beet root <i>halwa</i>	DS/Dairy Engineering /2020/01	Prof. & Head, Dept. of Dairy Engineering, DSC, AAU, Anand
16.10.3.12	Production of premium quality powder with maximum retention of essential oil using cryogenic grinding of fennel seed	FPT/PHET, FPT&BE /2020/01	Prof. & Head, Dept. of PHET, FPT & BE, AAU, Anand
16.10.3.13	Standardization of drying technique for production of whole dried lime	FPT/FPT, FPT&BE /2020/01	Prof. & Head, Dept. of Food Process. Tech., FPT & BE, AAU, Anand
16.10.3.14	Production technology for defatted pumpkin seed flour	FPT/FPT, FPT&BE /2020/02	Prof. & Head, Dept. of Food Process. Tech., FPT & BE, AAU, Anand

Sr. No.	Title of Experiment	Code Number	Implementing Department/Unit
16.10.3.15	Development of high fiber cookies supplemented with pomegranate seed flour	FPT/FPT, FPT&BE/2020/03	Prof. & Head, Dept. of Food Process. Tech., FPT & BE, AAU, Anand
16.10.3.16	Production technology of Ready to Eat extruded snack from AonlaPomace Powder	FPT/FPT, FPT&BE /2020/04	Prof. & Head, Dept. of Food Process. Tech., FPT & BE, AAU, Anand
16.10.3.17	Production technology for extraction of bioactive compounds from mango seed kernel	FPT/FPT, FPT&BE /2020/05	Prof. & Head, Dept. of Food Process. Tech., FPT & BE, AAU, Anand
16.10.3.18	Utilization of de-oiled flax seed meal for value added product	FPT/FPT, FPT&BE /2020/06	Prof. & Head, Dept. of Food Process. Tech., FPT & BE, AAU, Anand
16.10.3.19	Performance assessment of two stage evaporative cooling system for transport of selected vegetables	FPT/FE, FPT&BE /2020/01	Prof. & Head, Dept. of Food Engineering, FPT & BE, AAU, Anand
16.10.3.20	Development of IoT-based monitoring system for selected process parameters	FPT/FE, FPT&BE /2020/02	Prof. & Head, Dept. of Food Engineering, FPT & BE, AAU, Anand
16.10.3.21	Performance evaluation of feed forward neural network for detection of boric acid adulteration in wheat flour using FTIR spectra with solvent extraction	FPT/FQA, FPT&BE /2020/01	Prof. & Head, Dept. of Food Quality Assurance, FPT & BE, AAU, Anand
16.10.3.22	Evaluation of microbial decontamination efficiency of electrolysed water for safety and quality of selected fruits and vegetables	FPT/FQA, FPT&BE /2020/02	Prof. & Head, Dept. of Food Quality Assurance, FPT & BE, AAU, Anand
16.10.3.23	Decontamination efficiency of electrolyzed water and ozone for safety and quality of selected fruits and vegetables	FPT/FQA, FPT&BE /2020/03	Prof. & Head, Dept. of Food Quality Assurance, FPT & BE, AAU, Anand
16.10.3.24	Study on physical, thermal & storage properties of various biomass briquettes and its utilization in small food industries	FPT/BE, FPT&BE /2020/01	Prof & Head, Dept of BE, FPTBE, AAU, Anand
16.10.3.25	Development of low fat omega fatty acid enriched Cake	FPT/BE, FPT&BE /2020/02	Prof & Head, Dept of BE, FPTBE, AAU, Anand
16.10.3.26	Development of soya milk bread	FPT/Food Science & Nutrition (Poly.)/2020/01	Prof & Head, Polytechnic College in Food Science & Nutrition