

- વંચાણે લીધો: 1. અત્રેની કચેરીના પરિપત્ર જા.નં. આકૃયુ/સં.નિ./ટી.૧/૭૭૨/૨૦૨૨ તા.૧૨/૦૫/૨૦૨૨
2. આણંદ કૃષિ યુનિવર્સિટી, આણંદની ૧૪મી કૃષિ સંશોધન પરિષદની બેઠકના મુદ્દા નં. ૧૪.૭ તથા ૧૪.૧૬

પરિપત્ર

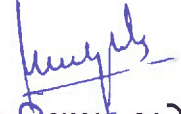
આણંદ કૃષિ યુનિવર્સિટીના તમામ યુનિટ/સબ યુનિટ અધિકારીશ્રીઓને જણાવવાનું કે, વંચાણે લીધેલ સંદર્ભ-૧થી યુનિવર્સિટીની વિવિધ લેબોરેટરીઓ દ્વારા કરવામાં આવતા વિવિધ પૃથ્થકરણના દરો તથા બોલીઓ અને શરતો નક્કી કરેલ હતા. જેને વંચાણે લીધેલ સંદર્ભ-૨થી કૃષિ સંશોધન પરિષદ દ્વારા બહાલી આપવામાં આવતા આ સાથે સામેલ સદર દરો તથા બોલીઓ અને શરતો મંજૂર કરવામાં આવે છે. વધુમાં, અગાઉના સંબંધિત પૃથ્થકરણ તથા સંલગ્ન બાબતોના નક્કી કરાયેલ દર તથા બોલીઓ અને શરતો રદ ગણાશે. આ અંગેની વધુ માહિતી માટે નીચે દર્શાવ્યા મુજબના જે તે વિભાગ/લેબોરેટરીના સંબંધિત અધિકારીશ્રીનો સંપર્ક કરવાનો રહેશે.

વધુમાં, અન્ય આદેશ ન થાય ત્યાં સુધી સદર દરો તથા બોલીઓ અને શરતો અમલી રહેશે.

ક્રમ નં.	વિભાગ/કેન્દ્રનું નામ	સંબંધિત અધિકારીશ્રીની વિગત	મોબાઇલ નંબર	ઇ-મેઇલ એડ્રેસ
૧	બીડી તમાકુ સંશોધન કેન્દ્ર	ડો. જે. એન. પટેલ	૯૪૨૭૮ ૫૮૨૧૬	btrs_1947@aaui.in
૨	બાયોકેમેસ્ટ્રી વિભાગ	ડો. જે. જે. ધ્રુવ	૯૪૨૭૮ ૯૩૪૭૧	hodbiochem@aaui.in
૩	એગ્રીકલ્ચરલ બાયોટેકનોલોજી વિભાગ	ડો. ડી. એ. પટેલ	૯૪૨૬૩ ૯૪૨૫૮	biotech@aaui.in
૪	કોલેજ ઓફ એફ.પી.ટી એન્ડ બી.ઇ.	ડો. સમીત દત્તા	૯૯૯૮૦ ૦૯૯૬૫	deanfpt@aaui.in
૫	માઇક્રોન્યુટ્રીયન્ટ રીસર્ચ સેન્ટર	ડો. કે. સી. પટેલ	૯૯૨૪૦ ૪૭૧૦૧	micro.anand@aaui.in
૬	એ.આઇ.એન.પી. ઓન પેસ્ટીસાઇડ રેસીડ્યુઝ	ડો. પી. એચ. રાહોડ	૯૪૦૮૮ ૫૬૭૨૭	prianand@aaui.in
૭	એગ્રી. કેમેસ્ટ્રી એન્ડ સોઇલ સાયન્સ વિભાગ	ડો. એન. જે. જાદવ	૯૪૨૯૭ ૨૦૭૬૮	hodssacbac@aaui.in
૮	એગ્રી. એન્ટોમોલોજી વિભાગ	ડો. ડી. બી. સીસોદીયા	૯૮૨૪૪ ૯૪૨૧૩	hodento@aaui.in
૯	પ્લાન્ટ પેથોલોજી વિભાગ	ડો. આર. જી. પરમાર	૯૬૩૮૦ ૩૪૬૧૭	hodplpathbac@aaui.in
૧૦	નેમેટોલોજી વિભાગ	ડો. આર. કે. કુમાર	૯૪૨૮૪ ૮૯૪૪૫	hodnematology@aaui.in
૧૧	મેડીસીનલ એન્ડ એરોમેટીક પ્લાન્ટ રીસર્ચ સ્ટેશન	ડો. કે. વી. પટેલ	૯૯૭૪૧ ૩૦૭૦૨	mapanand2008@gmail.com

સામેલ: ઉપર મુજબ

જા.નં. આ.કૃ.યુ./સં.નિ./ટી.૧/ ૫૩૭૫ /૨૦૨૨
તા. ૧૪/૧૧/૨૦૨૨


સંશોધન નિયામક અને
અનુસ્નાતક વિદ્યાશાખાધ્યક્ષ

નકલ રવાના પ્રતિ.

- માન.કુલપતિશ્રીના રહસ્ય સચિવશ્રી, આ.કૃ.યુ., આણંદ તરફ જાણ સારૂ.
- આણંદ કૃષિ યુનિવર્સિટીના તમામ યુનિટ/સબ યુનિટ અધિકારીશ્રીઓ તરફ જાણ તથા ઘટતુ થવા સારૂ.
- અત્રેની કચેરીની ટી-૩ શાખા તરફ જાણ સારૂ.

ANALYTICAL RATES OF ANAND AGRICULTURAL UNIVERSITY, ANAND

BIDI TOBACCO RESEARCH STATION			
Sr. No.	Name of Parameter	Charge/Sample (Rs.)	Remarks
1	Moisture	300/-	
2	Nicotine	500/-	
3	Reducing sugars	500/-	By titration (Copper reduction method using Fehling's Reagent)
4	Chloride	500/-	Silver Nitrate Method
BIOCHEMISTRY			
Sr. No.	Name of Parameter	Charge/Sample (Rs.)	Remarks
1	Acid value	500/-	
2	Amino acid profile by UPLC	3000/-	
3	Amylose content	700/-	
4	Anthocyanin	900/-	
5	Ascorbic acid	700/-	
6	Ash	500/-	
7	Carbohydrates	600/-	
8	Carotenoids	1000/-	
9	β -carotene	700/-	
10	Chlorophyll	500/-	
11	Fibre	500/-	
12	Flavanoids	900/-	
13	Free fatty acids	500/-	
14	Fatty acid profile by GLC	3000/-	
15	Gluten	700/-	
16	Lycopene	700/-	
17	Lysine	700/-	
18	Methionine	700/-	
19	Moisture	300/-	
20	Oil	700/-	



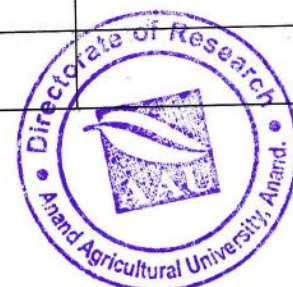
21	Peroxide value	1000/-	
22	Phenol	700/-	
23	Phenol profile	3000/-	
24	Proline	1000/-	
25	Protein (Crude protein)	500/-	
26	Reducing sugars	900/-	
27	Relative water content	500/-	
28	Saponification value	1000/-	
29	Sedimentation value	500/-	
30	Starch	700/-	
31	Tannin	700/-	
32	Titrateable acidity	500/-	
33	Total antioxidant activity	1000/-	
34	Total free amino acids	700/-	
35	Total saponin	1000/-	
36	Total soluble sugars	700/-	
37	Tryptophan	700/-	

DEPARTMENT OF AGRICULTURAL BIOTECHNOLOGY

Sr. No.	Services	Charges for one time instrument use (Rs.)	Remarks
1	SNP genotyping through iSCAN	1500/-	
2	Real time PCR	500/-	
3	PCR thermal cycler	200/-	
4	Refrigerated centrifuge	50/-	
5	Gel doc system	50/-	
6	IEF system	500/-	
7	CO ₂ incubator	200/-	(Charges of one time (24 hrs) instrument use only)
8	Bio-safety cabinet 2 hrs	200/-	(Charges of one time (2 hrs) instrument use only)
9	Ultra centrifuge	2500/-	
10	Nano-drop spectrophotometer	50/-	
11	Nanoparticle size	300/-	



12	Fluorescent microscope	500/-	
13	Laser micro-dissection microscope	2000/-	
14	ELISA reader per plate	150/-	
15	Multiporator	100/-	
16	Gene gun per shot	1000/-	
17	Electrophoresis	100/-	
18	FTIR	500/-	
19	DNA fingerprinting of Okra, Brinjal, Tomato & Chilli with DNA marker	5000/-	
20	Capillary sequencing	2500/-	
21	Bio Analyzer per chip		
	I. DNA HS/RNA Pico (One Chip)	4000/-	
	II. DNA /RNA 1000 (One Chip)	3500/-	
22	LC-MS/MS analysis optimization of LC/MS parameters	3000/-	Excluding Certified Standards
23	LC-MS/MS sample analysis	2000/-	
24	ICP-MS	3000/-	Only two elements
25	Flow Cytometry		
	Cell detection and analysis	2000/-	
	Cell sorting	5000/-	
26	Microwave Synthesis	500/-	
27	Ball Milling	500/-	
28	Lyophilizer/Freeze Drying	200/-	Per hour
29	Ultrasonic Cleaner	250/-	
30	Microwave Digestion System	350/-	
31	FTIR	500/-	
32	Seed Germinator with light Spectrum	1500/-	For 24 hour
33	Live Cell Imaging System	1500/-	
34	Zeta Potential	300/-	
35	Probe Sonicator	500/-	
36	High Pressure Homogenizer	750/-	



COLLEGE OF FOOD PROCESSING TECHNOLOGY & BIO ENERGY

Sr. No.	Name of Parameter	Charge/Sample (Rs.)	Remarks
Proximate and Nutritional Analysis			
1	Ash	500 /-	
2	Ascorbic acid	700 /-	
3	Fat	800 /-	
4	Crude fibre	500 /-	
5	Total sugar	700 /-	
6	Moisture	300 /-	
7	Moisture (spices)	1000 /-	
8	Protein	500 /-	
LC-MS/MS			
1	Veterinary drugs & antibiotics residues in Milk	5000 /-	
2	Chloramphenicol,	5000 /-	
3	Metronidazole & Ronidazole,	5000 /-	
4	Albendazole & Fenbendazole,	5000 /-	
5	Phenyl Butazone	5000 /-	
6	Penicillin G & Amoxicillin	5000 /-	
7	Cefaperazone, Cloxacillin, Cefthioufur & Diocloxacillin	5000 /-	
8	Tetracycline, Oxytetracycline from milk	5000 /-	
9	Enrofloxacin from milk	5000 /-	
10	Gemifloxacin & piperine from plasma	5000 /-	
11	Cinnamaldehyde & Eugenol from cinnamon	5000 /-	
12	Piperine from pepper	5000 /-	
13	Acrylamide from fried oil	5000 /-	
HPTLC			
Food Colors			
1	Carmoisine	2000 /-	
2	Erythrosine	2000 /-	



3	Tartazine	2000 /-	
4	Sunset yellow FCF	2000 /-	
5	Sudan red G	2000 /-	
6	Sudan red 7B	2000 /-	
7	Fingerprinting of Saffron	2000 /-	
Gas Chromatograph			
1	Fatty acid profile (Edible oils)	3000 /-	
Active compounds			
1	β -Carophyllene from curry leaves	2000 /-	
2	Menthol from mint leaves	2000 /-	
3	Carvone from mint leaves	2000 /-	
4	GCMS-HA	5000/-	
AAS			
Metals from food sample/Element			
1	Chromium (Cr)	750 / -	
2	Tin (Sn)	750 / -	
3	Lead (Pb)	750 / -	
4	Cadmium (Cd)	750 /-	
5	Aluminum (Al)	750 /-	
6	Zinc (Zn)	750 /-	
7	Silver (Ag)	750 /-	
8	Cobalt (Co)	750 /-	
9	Nickel (Ni)	750 /-	
FTIR			
1	Spectral fingerprinting	1000 /-	
Colour Lab			
1	Colour index (L*a*b* values)	500 /-	
Potentiometric Auto titrator			
1	Acid value	1000 /-	
2	Saponification value	1000 /-	
3	Iodine value	1000 /-	
4	Peroxide value	1000 /-	
5	Moisture (by Carl fisher)	1000 /-	



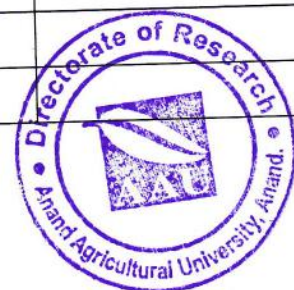
Rancimate			
1	Induction time at specific temperature	2000 /-	
Viscometer			
1	Viscosity of liquid	500 /-	
CHNSO analyzer			
1	Carbon, Hydrogen, Nitrogen and Sulphur content	2000 /-	
2	Carbon, Hydrogen, Nitrogen, Sulphur and Oxygen content	4000 /-	
Water Activity Meter			
1	Water activity	500 /-	
Bomb Calorimeter			
1	Calorific value of food sample	1000 /-	
Ion Chromatography			
1	Ions (Fluoride, Chloride, Bromide, Nitrate, Phosphate, Sulphate)	2000 /-	
Texture Profile Analyzer			
1	TPA of foods	3000 /-	
Particle Size Analyzer			
1	Particle size analysis	1000 /-	
Automatic Pycnometer (Ultra pyc 1200e)			
1	True density	1000 /-	
Microbiological Analysis			
1	Standard plate count, Yeast & Mold count and Coliform Count	1000 / each parameter	
2	<i>E. coli</i> , <i>Salmonella</i> and <i>Shigella</i>	2000 / each pathogen	
Packaging Materials			
1	Bulk of paper & paperboard	650/-	
2	Burst factor	850/-	



3	Burst index	850/-	
4	Bursting strength of paper	650/-	
5	Caliper	600/-	
6	Dart impact	850/-	
7	Grammage of paper	850/-	
8	Hardness	850/-	
9	Ink adhesion test	750/-	
10	Leakage test	650/-	
11	Leak in heat sealed packages	650/-	
12	Machine/ cross direction	650/-	
13	Moisture content for paper	650/-	
14	Moisture content for paper wood	650/-	
15	Oxygen transmission rate test	6500/-	
16	Pouch burst test	850/-	
17	Puncture resistance	650/-	
18	Stack simulation	2100/-	
19	Tear factor	850/-	
20	Tear strength of paper	650/-	
21	Tensile strength of plastic film	850/-	
22	Water proofness / Cobb test	750/-	
23	Water vapour transmission rate	6500/-	

MICRONUTRIENT RESEARCH CENTRE

Sr. No.	Name of Element	Charge/element (Rs.)	Remarks
Soil Analysis (Available nutrient)			
1	Fe (Iron)	100/	
2	Mn (Manganese)	100/	
3	Zn (Zinc)	100/	
4	Cu (Copper)	100/	
5	S (Sulphur)	120/-	
6	B (Boron)	200/-	
7	Cd (Cadmium)	1000/	
8	Co (Cobalt)	1000/	



9	Cr (Chromium)	1000/	
10	Ni (Nickel)	1000/	
11	Pb (Lead)	1000/	
Water/Effluent			
1	Fe (Iron)	300/	
2	Mn (Manganese)	300/	
3	Zn (Zinc)	300/	
4	Cu (Copper)	300/	
5	B (Boron)	300/-	
6	S (Sulphur)	300/-	
7	Cd (Cadmium)	1000/	
8	Co (Cobalt)	1000/-	
9	Cr (Chromium)	1000/-	
10	Ni (Nickel)	1000/-	
11	Pb (Lead)	1000/-	
Manure, Fertilizer & Amendment			
1	Fe (Iron)	200/-	
2	Mn (Manganese)	200/-	
3	Zn (Zinc)	200/-	
4	Cu(Copper)	200/-	
5	B (Boron)	300/-	
6	S (Sulphur)	200/-	
7	Cd (Cadmium)	1000/-	
8	Co (Cobalt)	1000/-	
9	Cr (Chromium)	1000/-	
10	Ni (Nickel)	1000/-	
11	Pb (Lead)	1000/-	
Feed, Fodder, Plant			
1	Fe (Iron)	300/-	
2	Mn (Manganese)	300/-	
3	Zn (Zinc)	300/-	
4	Cu(Copper)	300/-	
5	S (Sulphur)	300/-	
6	B (Boron)	300/-	



7	Cd (Cadmium)	1000/-	
8	Co (Cobalt)	1000/-	
9	Cr (Chromium)	1000/-	
10	Ni (Nickel)	1000/-	
11	Pb (Lead)	1000/-	

AINP ON PESTICIDE RESIDUES

Sr. No.	Sample Type	Charges/Sample (Rs.)	Remarks
1	Drinking / irrigation Water	5000/-	Multi residue analysis
2	Soil	5000/-	Multi residue analysis
3	Seed spices	10000/-	Multi residue analysis
4	Raw agricultural commodities containing fat & oil $\geq 2\%$	10000/-	Multi residue analysis
5	Raw agricultural commodities containing fat & oil $< 2\%$	7000/-	Multi residue analysis

AGRIL CHEMISTRY & SOIL SCIENCE

Sr. No.	Name of Parameter	Charges/element (Rs.)	Remarks
1	pH (1:2.5)	35/-	
2	Electrical conductivity (1:2.5)	35/-	
3	Organic carbon	130/-	
4	Available Nitrogen	100/-	
5	Available Phosphorus	100/-	
6	Available Potash	100/-	
7	Available Sulphur	120/-	
8	Available Calcium (Exch. + WS)	70/-	
9	Available Magnesium (Exch. + WS)	70/-	
10	Cation exchange capacity	250/-	
11	Bulk density / Particle density (Disturbed soil)	50/-	
12	Soil texture	400/-	
13	Soil moisture	300/-	
14	Exchangeable sodium	100/-	
15	Gypsum requirement	120/-	



16	Lime requirement	120/-	
17	Free calcium carbonate	120/-	
Irrigation Water			
1	pH	35/-	
2	Electrical conductivity / TDS	35/-	
3	Calcium	45/-	
4	Magnesium	45/-	
5	Sodium	45/-	
6	Carbonate	45/-	
7	Bicarbonate	45/-	
8	Chloride	60/-	
9	Sulphate	45/-	
10	Total water analysis (pH, EC, SAR, RSC, Cl, SO ₄)	400/-	
Plant/Fertilizers/Organic manures			
1	pH (1:10)	35/-	
2	Electrical conductivity (1:10)	35/-	
3	Organic matter	130/-	
4	Total Nitrogen	200/-	
5	Total Phosphorus	180/-	
6	Total Potassium	180/-	
7	Total Sulphur	180/-	
8	Total Calcium	180/-	
9	Total Magnesium	180/-	
AGRICULTURAL ENTOMOLOGY DEPARTMENT			
Sr. No.	Name of Parameter	Charges/ Kg (Rs.)	Remarks
1	Honey processing	25/-	
PLANT PATHOLOGY DEPARTMENT			
Sr. No.	Name of Parameter	Charges/ Sample (Rs.)	Remarks
1	Microscopic analysis	350/-	
2	Cultural analysis	500/-	



NEMATOLOGY DEPARTMENT			
Sr. No.	Name of Parameter	Charges/Sample (Rs.)	Remarks
1	Soil sample analysis for estimation of nematode population	800/-	
2	Root sample analysis for estimation of nematode population	1000/-	
3	Both soil and root sample analysis for estimation of nematode population	1500/-	
4	Soil sample analysis for detection of cyst nematodes	1200/-	
5	Plant sample analysis for detection of foliar nematodes	800/-	
6	Identification of Root-knot nematode species by perennial pattern	5000/-	

Medicinal & Aromatic Plants Research Station

Sr. No.	Name of Parameter	Charges/Sample (Rs.)	Remarks
1	Chlorophyll	500/-	DMSO method
2	Moisture	300/-	Oven dry method
3	Fibre	500/-	Acid base hydrolysis method
4	Ash	500/-	Muffle furnace
5	Starch	700/-	Photometric method
6	Total saponin	1000/-	
7	Relative water content	500/-	Weight basis
8	Essential oil	700/-	Water or steam distillation method
9	Oil	700/-	Soxhlet method
10	Leaf area	100/-	Leaf area meter
11	Root analysis (Diameter, area, volume, no. of branches, no. of tips)	500/-	Root analysis method
12	Curing percentage	300/-	Oven dry method
13	Total sennosides	1000/-	Photometric method
14	Withanolides	1000/-	
15	Andrographolide	1000/-	
16	Curcumin	1000/-	



ANALYTICAL RATES OF ANAND AGRICULTURAL UNIVERSITY, ANAND

Terms and Conditions remain as follows:

1. 100% charges shall be deposited along with the sample.
2. As per the discretion of the respective laboratory head / head of the unit / department head, the representative of the party shall remain present at laboratory at their own cost and the process shall take place in presence of representative of the party who will witness, supervise and monitor the process. At any stage of process, if reaction fails, university will not be responsible for the same and refund claim shall not be entertained.
3. The party interested in getting their sample analyzed on instrument shall bring the sample & consumables / chemicals to the laboratory at their own cost except DNA fingerprinting for biotechnology related analysis.
4. The list consumables along with company (brand) required for analysis must be approved in advance in consultation with the person undertaking the responsibility of the analysis for biotechnology related analysis.
5. Samples should be transported in proper control condition ($\leq 4^{\circ}\text{C}$) and packed separately in purported bags to avoid cross contamination for pesticide residue analysis.
6. The results of pesticide residue analysis will be given for a sample, as received to the laboratory.
7. Minimum sample size should be 2.5 liter for water, 500 gram for soil, 500 gram for seed spices and 1.0 kilogram for raw agricultural commodities for pesticide residue analysis.
8. Soil and Plant sample analysis for Nematode detection must specify Name of Crop, Sampling date, Name of farmer, Type of crop, Sowing date, Name of village, Taluka, District, Contact No., Copy of 7/12 and 8 A as well as the GPS location of field. Free of cost service will be provided to the farmers for identification of nematode in soil and plants.
9. These rates will be remaining valid until further order issued by the Office of Director of Research, AAU, Anand.
10. The respective laboratory head / head of the unit / department head have full right to reject or accept the proposal for analysis in the interest of the university.
11. Anand Agricultural University will not be responsible for any kind of accident or hazards met in the handling of equipment or infrastructure etc. during experimentation
12. The party shall abide by above terms and condition before the offer / assignment is accepted by the university.



13. Anand Agricultural University shall have sole discretionary power to settle unforeseen events or disputes if any.
14. The analytical results/data should not be used for legal purpose/dispute.

