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FACULTY OF AGRICULTURE**

List of Instruments

Department of Horticulture

Sr. No.	Description of equipment	Model/Manufacturer
PLANT TISSUE CULTURE LABORATORY		
1.	Ploidy Analyzer (Cytometry)	CyFlow/Sysmex Partec Germany
2.	Vapor Pressure Osmometer	VAPRO-5600/WESCOR Germany
3.	Optical Microscope	BX53F2/Olympus Japan
4.	Zoom Stereo Microscope	Rz-B/Meigi Techno Japan
5.	Stereo Microscope	SM80/Swift Japan
6.	Binocular Microscope	XSZ-107BN/NOIF CNOEC China
7.	Binocular Microscope	CH-30/Olympus Japan
8.	ELISA Reader	Her 480/HT Company (Ilford) UK
9.	ELISA Automatic Microplate Washer	HEW096/HT Company (Ilford) UK
10.	Thermal Cycler PCR (Non gradient)	Biometra TOne96/Biometra GmbH Germany
11.	Gel Electrophoresis Chamber Horizontal (17cm x 7cm; 15cm x 15cm; 15cm x 5cm One Each)	GES/ WEAL TEC Taiwan
12.	Gel Electrophoresis Power Supply	S-N 78444/WEAL TEC Taiwan
13.	UV Transilluminator	MD-25/WEAL TEC Taiwan
14.	Fume Hood 4.5ft x 3ft	Tehnico Scientific Lahore
15.	Laminar Flow Cabinet 5.5ft x 4ft Vertical air flow	LCB-1503B/Lab-Tech Korea
16.	Laminar Flow Cabinet 4ft x 4ft horizontal air flow	LCB-1503B/Lab-Tech Korea
17.	Dry Glass Bead Sterilizer	Steri-350/Inotech Switzerland
18.	Bacti-Cinerator III Sterilizer	14-489/Fisher Scientific USA
19.	Orbital Shaker (250 ml flask)	C-10/Brunswick Scientific USA
20.	Water Bath Shaker (Linear movement)	DKZ-2/Shanghai Jinhong Experimental Equipment China
21.	Refrigerated Centrifuge (30,000 rpm, -20°C, 50 ml round bottom tubes)	3k-30/Sigma Rotor single Knob Germany
22.	Compact Centrifuge (non-refrigerated 6000 rpm, 14 ml conical centrifuge tubes)	Z206A/Hermle USA
23.	Benchtop Centrifuge (non-refrigerated 14000 rpm, 1.5 ml rotor)	1-15/ Sigma Germany
24.	Centrifuge (non-refrigerated 14,800 rpm, 1.5 ml rotor)	1-14/ Sigma Germany
25.	Micro Centrifuge (7000 rpm, 0.5 ml-1.5 ml rotor)	D1008/SCIOLOGEX USA
26.	Autoclave 100 Lit	HVA-110/Hiryama Japan
27.	Autoclave 80 Lit	HL-36/Hiryama Japan

28.	Double Distillation Unit	WD-AD10/BIOBASE Bioindustry Shandong China
29.	Distillation Unit	WD-1008/Lab-Tech Korea
30.	Tissue Homogenizer	T-8/IKA Germany
31.	Spad Meter/Chlorophyll Meter	CCM-200 plus/OPTI-SCIENCES USA
32.	Dry Oven	UNE-600/Memmert Germany
33.	Micro Waves Oven 45 L	HGN 45100EB/Haier
34.	Micro Waves Oven 20 L	DW-MD4N/Dawlance
35.	Micro Waves Oven 42 L	MG -724J/LG Korea
36.	Multipoint Dryer	Technico Scientific Lahore
37.	pH Meter	Orion 4 star/Thermo USA
38.	pH Meter	HI2210/HANNA USA HI2211/HANNA USA
39.	EC Meter	Orion 4 star/Thermo USA
40.	Soil Moisture Meter	M-300/Aquaterr USA
41.	Leaf Area Meters	AM100/Analytical Development Company UK
42.	Magnetic Stirrer (370 °C, 1500 rpm)	VELP SCIENTIFICA Italy
43.	Magnetic Stirrer (370 °C, 1500 rpm)	VELP SCIENTIFICA Italy
44.	Vortex Mixer 100-2400 rpm	REAX TOP 51W/Heidolph Germany
45.	Refrigerator	91996D/Dawlance
46.	Liquid Nitrogen Vessels 35 liters	YDS-35/Chengdu Jinfeng China
47.	Weighing Balance, 0.1 mg-200 g	AX200/Shimadzu Japan
48.	Analytical Balance (0.1 g - 220 g)	JJ224 BC/ G&G Germany
49.	Weighing Balance (1g-12kg)	ELB-12K/SHIMADZU Japan
Postharvest Laboratory		
1.	Spectrophotometer	(SP-UV3000 Optima)
2.	Spectrophotometer	(UV-1602 BMS)
3.	ULT Freezer	(MDFV-73V Sanyo)
4.	Ice Maker	(FIM-100 Bio Base)
5.	Disk Miller	(FFC-15 China)
6.	Refractometer	(FG-103 Brix)
7.	Chroma Meter	(CR-410 Minolta corporation)
8.	Vernier Caliper	(01010259 China)
9.	Conductivity meter	(INOLABCOND-720 WTM Germany)
10.	Fruit Pressure Tester	(FT-327 Italy)
11.	Soxhlet Apparatus	(WHM-12391 Pyrex)
12.	Magnetic Stirrer	(VELP Scientifica)
13.	Electric Balance	(EL-600SA Shimadzu)
14.	Electro Thermal Unit	(98-1-B China)
15.	Seed Counter Digital	(ECC-02 China)
16.	Electronic Penetrometer	(BKD-020 Willow Bank Electronic)
17.	Microscope	(XSZ-107BN NOR)
18.	Dry Oven	(PA-I15-T CAHO)
19.	Electric Furnace	(HM-9MP Raypa)

