

Instruments available in **Analytical Instrument Facility** (CENTRAL LABORATORY) of ICAR-Indian Institute of Soil and water Conservation, Dehradun.

S.No.	Name of Instruments	Make	Model	Analysis available	Specification
1	Atomic absorption spectrometer	Analytic Jena	(Contr AA 300)	Heavy metals Cu, Zn, Fe, Mn etc. (ppm level)	Range 190-900nm covering all imp. Elements.
2	UV-VIS Double Beam Spectrophotometer	Systronics	AU-2701	Non metals (B, S, P, Chlorophyll etc.)	High resolution 1nm band width
3	Flame photometer	Systronics	No.128	Na, K	Low conc. mode Without dilution K and Na 10ppm 100ppm Full scale sensitivity Na: 2ppm K 1ppm Minimum sample: 3ml placement Reproducibility Low conc.+1% High conc. +2%
4	Soil moisture equipment	Canada		FC,WP	
5	Soil testing kit	Orion		pH, EC,DO	These highly versatile multi parameters combine a full complement in a single unit –Individual reading can be simultaneously displayed
6	Muffle furnace	Thermotech	TIC 4400	Ash detection material is isolated from the fuel	Power source 220V,50HZ single phase Temperature control through microprocessor, Max. temp. 1100 ^o c furnace insulation/ceramic
7	Colorimeter	Klett Summerson, Philadelphia		Non metals	
8	Gamma-Ray Spectrometer	Nucleonix, Hyderabad		Gamma ray detector	

S.No.	Name of important Instruments	Name of person Scientist /Technical)
1	Atomic absorption spectrometer	Smt. Sarita Gupta
2	UV-VIS Double Beam Spectrophotometer	Dr. Anand Kumar Gupta, Dr. Gopal Kumar
3	Flame photometer	Gambhir Singh
4	Pressure Plate	Sri.Ashok Kumar
5	Soil testing kit	Sri.Ashok Kumar
6	Muffle furnace	Gambhir Singh
7	Klette Summerson Colorimeter	Gambhir Singh
8	Gamma –Ray Apectrophotometer	Smt.Sarita Gupta