

Lab Facilities

Lab Name : Environmental Engineering Lab
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No.	Equipment	Description
1	Anaerobic-Aerobic Treatment Unit	For biological waste treatment in oxidation or non oxidation condition
2	Bio-UV Reactor (Mobile Unit)	For waste water treatment with UV radiation
3	COD Reactor	For COD analysis
4	DR3000 Spectrophotometer	For compound analysis by spectroscopy technique
5	High Pressure Ozonator	For high pressure ozone production
6	Cross flow Membrane Unit	For sludge in waste water filtration by using membrane cross flow method
7	Atomic Absorption Spectrophotometer	For identification of metal content in a mixture by using combustion furnace
8	Total Organic Carbon Analyser	For analysis of ion content in a mixture by using chromatography
9	Turbidity meter	For solution turbidity measurement
10	Jar flow equipment	For Jar Floc Experiment
11	Gas chromatography	For separation and identification of compound in gas phase by chromatography technique
12	Ion Chromatography	For ion and polar molecules separation analysis
13	Fermenter	For chemical fermentation
14	pH meter	For pH measurement
15	Incubator	A controled place for reproduction of microorganism
16	Conductivity meter	For conductivity measurement
17	Oven	Heating equipment
18	Rotary Viscometer	For viscosity measurement
19	Electrostatic separator	For material separation by eletrical base technique
20	Furnace	Place for material burning
21	Rotary vacuum evaporator	For solution evaporation process under vacuum
22	Microwave	For microwave-related experiment
23	Shaker	An equipment to ensure uniform mixing in a solution
24	Bomb Calorimeter	For chemical reaction heat measurement
25	Viscotester	To measure viscosity
26	Soxhlet Extractor	For extraction process