**Water pollution& Marine environmental laboratory**

**معمل تلوث المياه والبيئه البحرية**

**القياسات التى تجرى بالمعمل:**

1-Biological oxygen demand(BOD), Chemical oxygen demand (COD) and Dissolved oxygen (DO)

2- Alkalinity, Hardness and Salinity.

3- Sulphate, Ammonia, Nitrate, Nitrite, Total nitrogen and Total phosphate.

4- trace metals in water, sediment and biota, Organochlorine pesticides and poly chlorinated Biphenyls.

5- Microbiological detection of coliform group and any other waterborne pathogen and petroleum hydrocarbon water, sediment and biota.

ا**لأجهزه:**

1-Multiprobe YSI (CTD)

2-Spectrophotometrers

3-Nutrients Autoanalyzer Alpkem USA

4-Atomic absorption spectrophotometer

5-High performance liquid chromatography (HPLC)

6-Microbiological unit of high degree of accuracy and safety

7-Reverse osmosis & milliQ Units

8-Rotary Evaporator

9-Incubators ,Microscope ,Centrifuge ,Autoclave, Muffle and Oven.

**أهداف المعمل:**

يهدف المعمل الى خدمة البحث العلمى، الاستشارات البيئية، تقديم دورات متخصصة وورش عمل فى مجال كيمياء المياه التحليلية و ميكروبيولوجيا المياه

**مشرف المعمل :**

أ.د ./ سمير نصر