



## Department of Ecology / College of Science

### Environmental Treatments Laboratory

The Environmental Treatments Lab was established in the academic year 2016/2017 to provide the opportunity for graduate and undergraduate students to work in treating various organic environmental pollutants and heavy metals. The laboratory's idea concentrated on the use of Eco-friendly methods to get rid of organic pollutants, such as removing crude oil, its derivatives and heavy metals from water and soils by using aquatic plant species such as reed cattail and coontail, also terrestrial plants such as barley.

Several masters students conducting their projects in the laboratory that included:

- Phytoremediation of soils contaminated with petroleum hydrocarbons by using three types of plants.
- The role, physiological and anatomical changes of some aquatic plants exposed to oil pollution
- Using cattail plants to reduce water pollution with kerosene.
- Treatment of the industrial wastewater of the Najibiya power station using some plants.

In the laboratory, undergraduate students are trained in recycling activities to convert various wastes into materials that can be used instead of turning them to accumulated wastes affecting the environment. The Ecology department-approved held an annual exhibition of recycling activities and a competition among students for the best idea that could be applied.

