



### **Agricultural Waste Management**

The course - Agricultural Waste Management aims to present the modern treatment techniques of the various organic residues and liquid waste produced by agricultural and livestock production, as well as the relevant agro-industrial units. It also aims to highlight the optimal way that non-agricultural waste can be utilized in agricultural production. The technologies and processes being taught are aimed at: a) dealing with the environmental impacts and problems caused by these wastes and wastewaters, and b) how the products of their treatment can be utilized in agriculture.

The course includes the following individual subjects:

- a. The definition of biomass and the potential of agro-industrial waste.
- b. The aerobic treatment of solid organic residues (composting) with the final product being compost.
- c. Anaerobic treatment of solid organic residues with biogas as the final energy product.
- d. The treatment of liquid waste with the final product being water, suitable for crop irrigation.