**Seasonal variation of marine litter in Tangier Coast: Quantitative and classificative study**

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Tangier city is considered as one of the most important commercial city in Africa as a result of the new construction of its port, Tangier Med. This study evaluated the abundance of micro and macro debris in Tangier beach and their pollution degree. In 2015, a total of 16 samples were collected by season and size between 1 and 5mm. The means of the results in macro d ...
ICP-OES: An Advance Tool in Biological Research

Spectroscopic analysis has been considered as a promising tool for the quantitative detection of elements in a biological sample. Inductively coupled plasma optical emission spectrometry (ICP-OES) is an advanced trace element analysis technique that uses the emission spectrum of an excited atom to detect and quantify the element present in the sample. The samples are ...

Chelate-assisted phytoextraction using Brassicaceae plants

In these last decades, excessive metal concentration pose serious contamination in soils. Therefore, it is urgent to develop and adopt a new strategy and technology to remove soil contaminants. Here, the phytoextraction was considered as a recently developed approach to clean up metal-polluted soils in that the plants are used to translocate the toxic metals from the ...

Metallothioneins in Earthworms: The Journey So Far

Earthworms play important roles in terrestrial ecosystems including evaluating the health status of the soil in environmental studies. Its regulation and detoxification of metallic metals and the non-essential metal ion are associated with the possession of Metallothioneins (MTs). Three isoforms of MTs are induced in some species of earthworms under stress in the soil ...