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In this issue

Research Article

Open Access Research Article PTZAID:OJEB-5-115

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

Published On: September 25, 2020 | Pages: 007 - 013

Author(s): Adel Alshawafi*, Mohamed Analla, Ebrahim Alwashali and Mustapha Aksissou

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 ...

Abstract View Full Article View DOI: 10.17352/ojeb.000015

Open Access Research Article PTZAID:OJEB-5-114

Increased biomass of free-living marine nematodes may be indicative of disturbances in the ecosystem of the San Antonio Bay

Published On: January 22, 2020 | Pages: 001 - 006

Author(s): Gabriela Villares* and Catalina Pastor de Ward

An ecological study of free-living marine nematodes in salt marshes of San Antonio bay was carried out to determine whether they are affected by anthropic disturbances. Samples were collected during the summer of 2009. Three sites were selected, one with urban disturbance and two with possible control. In each site the samples were taken in the 3 areas of the mesolitt ...

Abstract View Full Article View DOI: 10.17352/ojeb.000014

Review Article

Open Access Review Article PTZAID:OJEB-5-118

ICP-OES: An Advance Tool in Biological Research

Published On: December 26, 2020 | Pages: 027 - 033

Author(s): Iti Sharma*

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 ...

Abstract View | Full Article View | DOI: 10.17352/ojeb.000018

Open Access Review Article PTZAID:OJEB-5-117

Chelate-assisted phytoextraction using Brassicaceae plants

Published On: December 12, 2020 | Pages: 022 - 026

Author(s): Walid Saibi* and Faical Brini

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 ...

Abstract View | Full Article View | DOI: 10.17352/ojeb.000017

Open Access Review Article PTZAID:OJEB-5-116

Metallothioneins in Earthworms: The Journey So Far

Published On: October 23, 2020 | Pages: 014 - 021

Author(s): Ogunlaja Aemere*, Vikas Sharma and Johnson Lin

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 ...

Abstract View | Full Article View | DOI: 10.17352/ojeb.000016