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In this issue

Research Article

Open Access Research Article PTZAID:OJEB-4-113

Investigation of physiological responses of Procambarus clarkii and some enzyme activities to selected heavy metals

Published On: November 12, 2019 | Pages: 023 - 027

Author(s): Hussein AB, A Abbas, N Hussein and Noreldaim Elkhidir*

Mean enzyme activities of Aspartate Transaminase (ALT), Aka Alanine Transaminase (AST) and alkaline phosphatases of the digestive gland of freshwater Procambarus clarkia were subjected to different sublethal concentrations of lead, mercury and cadmium were measured. ...

Abstract View Full Article View DOI: 10.17352/ojeb.000013

Open Access Research Article PTZAID:OJEB-4-112

Mosquitocidal potential of Chysophylum africanum seed extracts against human vector mosquitoes Anopheles stephensi (Liston) (Diptera: Culicidae)

Published On: July 09, 2019 | Pages: 019 - 022

Author(s): Adesina JM1*, Jose AR2 and Mobolade-Adesina TE2

Mosquito borne diseases constitute a major public health problem in the list of communicable diseases, An. stephensi (Liston) is the primary vector of malaria in developing countries and improved methods of control are urgently needed. Larvicidal activity of Chysophylum africanum seed extracts was evaluated against An. stephensi. Fourth instar larvae were exposed t ...

Abstract View Full Article View DOI: 10.17352/ojeb.000012

Open Access Research Article PTZAID:OJEB-4-109

How the competitive exclusion principle can be validated using optical density measurements collected on artificially reconstituted soil ecosystems

Published On: February 19, 2019 | Pages: 001 - 006

Author(s): Miled EL Hajji*

A mathematical model, validated on experimental data aiming at describing and predicting soil bacteria growth on an essential limited substrate in batch pure cultures is proposed as an extension of the Monod's one in revisiting the way where the optical density is modelled. This model takes into account viable cell growth, substrate consumption, cell mortality, non-vi ...

Abstract View | Full Article View | DOI: 10.17352/ojeb.000009

Review Article

Open Access Review Article PTZAID:OJEB-4-110

Usage of Potential Micro-organisms for Degradation of Plastics

Published On: April 09, 2019 | Pages: 007 - 015

Author(s): Rafia Riaz, Darakhshanda Iram and Rana K Iqbal*

Plastics are high molecular weight organic source materials. It is necessary to devise systems to decompose plastic polymers because their disruptive effects are threatening the ecosystem. Biotic and abiotic strategies are being employed to convert plastics into monomers. The objective of both techniques is to reduce polymers to monomers. Microbes act on monomers for ...

Abstract View | Full Article View | DOI: 10.17352/ojeb.000010

Short Communication

Open Access Short Communication PTZAID:OJEB-4-111

The climate is controlled by artificial evaporation

Published On: April 09, 2019 | Pages: 016 - 018

Author(s): Khalidullin Oleg*

Mankind at all times of its existence has been related to water and is consumer, considering it a resource for its comfort. Water is a living substance that has developed certain properties according to nature’s assignments. Its main function is mediation in all earthly affairs. Passing through the soil and biota, it undergoes many transformations and goes into the at ...

Abstract View | Full Article View | DOI: 10.17352/ojeb.000011