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In this issue

Research Article

Open Access Research Article PTZAID:OJABC-6-127

Assessment of diastase levels in different floral honey from Oromia region, Ethiopia

Published On: December 31, 2022 | Pages: 024 - 029

Author(s): Deressa Kebebe Meskele*, Teferi Damto, Meseret Gemeda and Gemechis Laggase

Diastase is an enzyme that is found naturally in honey and degrades over time, especially when exposed to heat. Diastase can be used to indicate the age and exposure of honey to heat. However, they play a very significant role in honey quality. This study aimed to assess the diastase levels of different floral honey in potential areas of the Oromia region. In this stu ...

Abstract View Full Article View DOI: 10.17352/ojabc.000027

Open Access Research Article PTZAID:OJABC-6-125

Dissipation kinetics and the pre-harvest residue of chlorantraniliprole in pigeon pea Cajanus cajan L. succulent pods Using Ultra-High-Performance Liquid Chromatography with Photodiode array detector (UHPLC-PDA)

Published On: April 27, 2022 | Pages: 013 - 017

Author(s): Murali Krishna T, Devaki K*, Kiran Kumar K and Prasanthi L

Studies were conducted to evaluate insecticide residues of Chlorantraniliprole in pigeon pea succulent pods after foliar application. Chlorantraniliprole was sprayed at 0.6ml/l on pigeon pea crop at the pod formation stage to control pod borers like Helicoverpa armigera and Maruca vitrata. Samples were drawn at 0, 1, 5, 10, 15, 20, 25, and 30 days after spray. A valid ...

Abstract View Full Article View DOI: 10.17352/ojabc.000025

Open Access Research Article PTZAID:OJABC-6-124

Regulation of enzymes with identical subunits on the example of Transketolase

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Author(s): Olga N Solovjeva*

The molecule of transketolase is a dimer with structurally and functionally identical subunits. Its active sites are located in the region of intersubunit contact, which has been shown also for other thiamine enzymes. This leads to the reciprocal influence of active sites in the binding of cofactors and during catalysis. In this review, it is shown that the functional ...

Abstract View | Full Article View | DOI: 10.17352/ojabc.000024

Mini Review

Open Access Mini Review PTZAID:OJABC-6-126

Benzofuran and Naphthofuran based chemosensors for metal ion detection using fluoroscence spectroscopy

Published On: October 31, 2022 | Pages: 018 - 023

Author(s): Sonia Ali, Sakshi Joshi and Jyoti Agarwal*

With the advancement in the field of agriculture and industrial regime, numerous metals such as lead, cadmium, mercury, zinc, copper, arsenic, etc. are released into the environment as effluent. These metal ions enter water bodies and generate many health issues. Considering their harmful impact on human lives, numerous fluorescent probes have been developed in recent ...

Abstract View | Full Article View | DOI: 10.17352/ojabc.000026

Open Access Mini Review PTZAID:OJABC-6-123

Adsorption of Pb2+ ions in aqueous media using the new zeolite nanocomposite adsorbent CaOCdO/ZSM5 synthesized with new techniques

Published On: February 04, 2022 | Pages: 001 - 003

Author(s): Meysam Sadeghi and Pourya Zarshenas*

ZSM-5 `is a porous zeolite material that reveals good activity for the adsorption of heavy metals and other contaminants for effluent purification. In this scientific research, we synthesized the novel CaO-CdO/ZSM-5 zeolite nanocomposite adsorbent and studied the effects of different parameters on the adsorption of Pb2+ ions from water media for the first

time. About ...

Abstract View | Full Article View | DOI: 10.17352/ojabc.000023