

In this issue

Research Article

[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\*\*](#)

Published On: March 07, 2022 | Pages: 004 - 012

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-6-123

[\*\*Adsorption of Pb<sup>2+</sup> 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 Pb<sup>2+</sup> ions from water media for the first time. About ...

[Abstract View](#)

[Full Article View](#)

[DOI: 10.17352/ojabc.000023](#)