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Research Article

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Determination of arsenic, copper and lead in the water of villages of Chalkidiki, Greece

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Arsenic, copper and lead metals are serious contaminants for human health. These metals are all toxic above a minimum concentration. In the present study twenty two water samples (eleven sites - non and acidified) from villages Nea Silata, ...

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Guidelines for the preparation and isolation of Radionuclides produced with In-house Cyclotrons Bombardments

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Author(s): Loai Aljerf*, Davoud Dastan*, Sami Sajjadifar, Suhasini Bhatnagar, Prince O Ukaogo, and Farouk Dehmchi

Carrier-free radioisotopes and cyclotrons are largely manufactured and sold in market in high prices, even many challenges are facing isotopes production in industry. Thus, we came here to introduce valuable and easy working conditions using different thick target materials under well-defined irradiations to separate some important isotopes. As a result, in carrier-fr ...

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Colorimetric determination of chromium in aluminium alloys by diphenylcarbazine method

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Author(s): Peter Chikezie Ayogu and Fabian Ifeanyi Eze*

A concise method for the determination of chromium in aluminium alloys colorimetrically by the use of diphenylcarbazide is described. The method is based on measurement of the violet colour formed between chromate III ion (Cr³⁺) and diphenylcarbazide. The diphenylcarbazide forms a violet complex which absorbs at 540 nm. Other interfering metal ions including manganese ...

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The antioxidant status in *Trichinella Spiralis*-infected rats, improved by Selenium supplementation

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Author(s): Margarita Gabrashanska, Svetlozara Petkova and Svetla E Teodorova*

Appearance of free radicals and membrane lipid peroxidation are one of the most typical unwelcome effects caused by trichinellosis (a parasite infection). Here the oxidative-antioxidant status of male Wistar rats uninfected and infected with *Trichinella spiralis* (Nematoda) was studied. The purpose of the study was to test substances, significantly diminishing unfavours ...

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Review Article

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Alzheimer's disease and its current treatments; Is there a possibility for a cure?

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Alzheimer's disease (AD) is an irreversible, progressive brain disorder that slowly destroys the memory and the thinking skills, and eventually the ability to carry out the simplest tasks. This has motivated lots of scientists to search for an ultimate treatment or cure for this serious disease. There are various causes & risk factors which cause AD and are the

reason ...

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