**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, ...

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

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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 ...

**Colorimetric determination of chromium in aluminium alloys by diphenylcarbazide method**
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 (Cr\(^{3+}\)) and diphenylcarbazide. The diphenylcarbazide forms a violet complex which absorbs at 540 nm. Other interfering metal ions including manganese ...