



Contribution ID: 26

Type: **Poster**

The effect of induced α -radiolysis on the U(IV)/U(VI) ratio in uranium ores

Thursday, 22 April 2010 12:00 (20 minutes)

The variation of the concentration of U(IV) and U(VI) species from uranium ores due to the alpha-radiolysis induced by an Am-241 source in several deposit conditions is studied. The X-rays patterns show some differences for the studied ores before and after external alpha-radiolysis. The concentrations of U(IV) and U(VI) species was determined spectrophotometrically.

Primary author: Prof. CECAL, Alexandru ("A.I. Cuza" University, Faculty of Chemistry)

Co-authors: Prof. HUMELNICU, Doina ("A.I. Cuza" University, Faculty of Chemistry); Dr POPA, Karin ("A.I. Cuza" University, Faculty of Chemistry)

Presenter: Prof. CECAL, Alexandru ("A.I. Cuza" University, Faculty of Chemistry)

Session Classification: Poster Session - Separation Methods, Speciation

Track Classification: Separation Methods, Speciation