

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

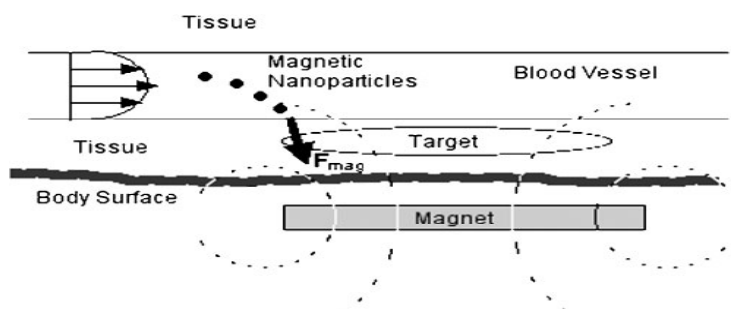
Tome 54, N° 3

Mars 2009

## REVIEW

Lăcrămioara BĂLĂIȚĂ and Marcel POPA

Polymer magnetic particles in biomedical applications



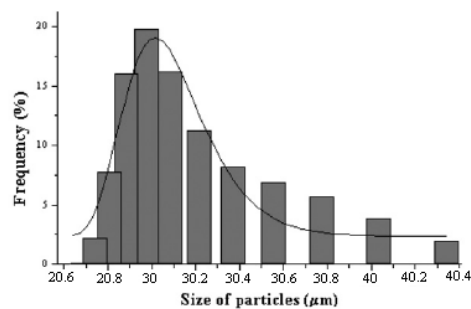
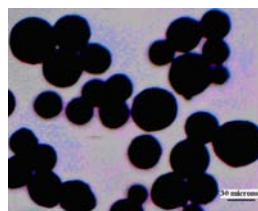
Rev. Roum. Chim., 2009, 54(3), 185-199

**Key words:** medical applications, targeting drug, magnetic particles, polymers.

## PAPERS

Vasile BĂDESCU, Laura Elena UDREA,  
Ovidiu ROTARIU, Rodica BĂDESCU and  
Gabriela APREOTESEI

On preparation of magnetic microbeads by two microfluidic emulsification techniques and polymerization

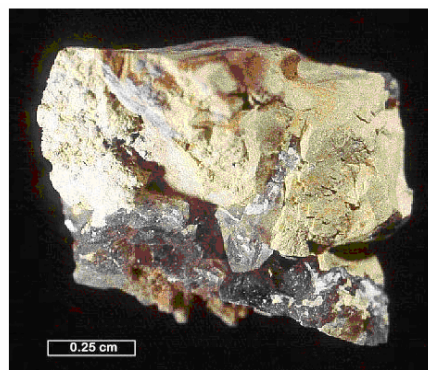


Rev. Roum. Chim., 2009, 54(3), 201-204

**Key words:** magnetic microbeads, ferrofluid, microfluidic emulsification.

Simona CONDURACHE-BOTA,  
Gheorghe I. RUSU, Nicolae ȚIGĂU,  
Romana DRAȘOVEAN and  
Constantin GHEORGHIEȘ

Structural and optical characterization of thermally oxidized bismuth films



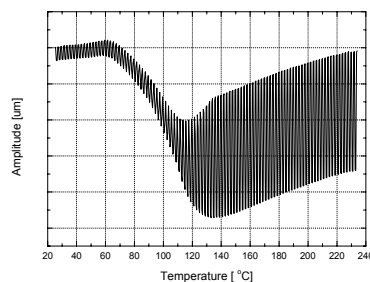
Bismite mineral

Rev. Roum. Chim., 2009, 54(3), 205-211

**Key words:** bismuth, thermal oxidation, optical measurements, XRD spectra.

**Zaki AJJI**

Radiation-induced preparation of polyester/  
gypsum/ composite

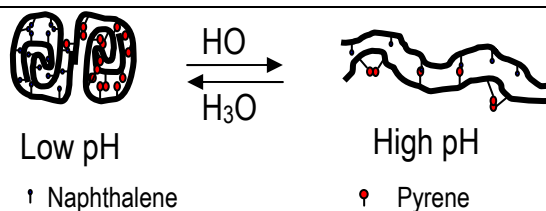


*Rev. Roum. Chim.*, **2009**, 54(3), 213-218

**Key words:** unsaturated polyester-styrene, gypsum, composite, gamma radiation.

**Simona-Antoanela GĂVAN and  
Dan F. ANGHEL**

Fluorescent labels grafted on poly(acrylic acid)  
accounting for conformational changes through  
non-radiative energy transfer

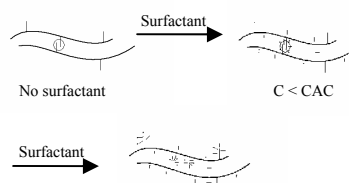


*Rev. Roum. Chim.*, **2009**, 54(3), 219-225

**Key words:** poly(acrylic acid), naphthalene, pyrene, non-radiative energy transfer, pH.

**Simona-Antoanela GĂVAN,  
Françoise M. WINNIK, Monica Elisabeta  
MAXIM, Gabriela STÎNGĂ, Cornelia ILIE  
and Dan F. ANGHEL**

Effects induced by ethoxylated nonionic  
surfactants on pyrene-labeled hydroxypropyl  
cellulose in aqueous solution

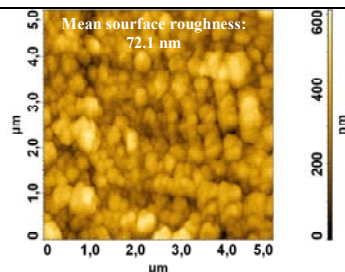


*Rev. Roum. Chim.*, **2009**, 54(3), 227-234

**Key words:** hydroxypropyl cellulose, pyrene, label, surfactant, ethoxylate.

**Cristina BOGATU, Mihaela VOINEA,  
Anca DUȚĂ, Irina Mihaela PELIN and  
Gabrielle Charlotte CHIȚANU**

The electrochemical deposition of Cu/CuO<sub>x</sub> solar  
selective coatings with controlled morphology

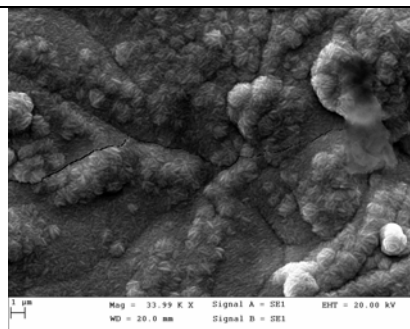


*Rev. Roum. Chim.*, **2009**, 54(3), 235-241

**Key words:** solar absorbers, electrodeposition, voltammetry, copper oxides, maleic anhydride copolymers.

**Violeta VASILACHE, Sonia GUTT,  
Gheorghe GUTT, Traian VASILACHE,  
Constantin FILOTE and Ion SANDU**

Studies of hardness for electrodeposited nickel  
from Watts baths with addition of polyvinyl  
pyrrolidone (PVP)

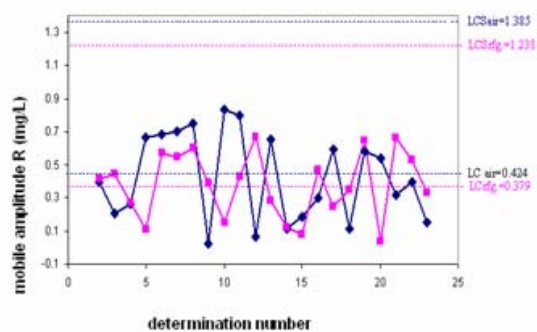


*Rev. Roum. Chim.*, **2009**, 54(3), 243-246

**Key words:** nickel electroplating, polyvinyl pyrrolidone, hardness, Watts bath.

Mihaela ARTIMON, Ion Gh.TĂNASE and  
Gina VASILE

The validation of the method for iron  
determination in Roumanian wines using  
flame atomic absorption spectrometry



*Rev. Roum. Chim.*, 2009, 54(3), 247-254

**Key words:** FAAS, robustness, Shewhart control charts.

