

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

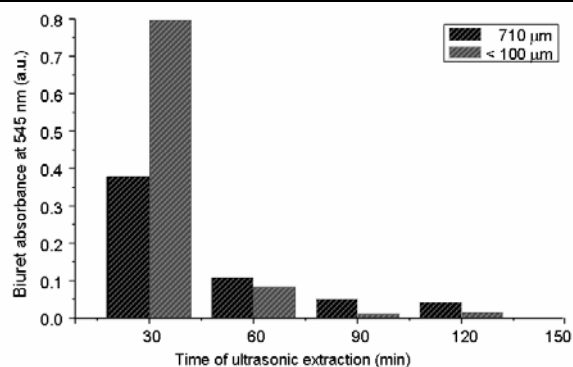
Tome 61, N° 10

Octobre 2016

PAPERS

Sabina BANCILA, Catalina-Ionica CIOBANU,
Manuela MURARIU and Gabi DROCHIOIU

Ultrasound-assisted zein extraction and
determination in some patented maize flours

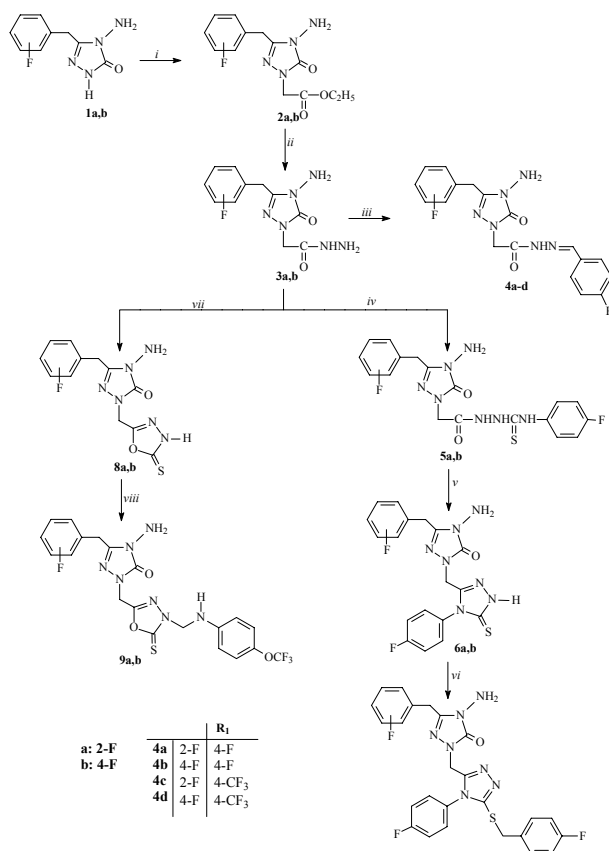


Rev. Roum. Chim., 2016, 61(10), 725-731

Key words: zein extraction, ultrasound, kinetics, FTIR, biuret micro-method.

Olcay BEKIRCAN, Nimet BALTAŞ,
Emre MENTEŞE and Ergun GULTEKIN

Synthesis of new fluorine-containing
1,2,4-triazole-5-on derivatives with their
anti-urease, anti-xanthine oxidase and antioxidant
activities

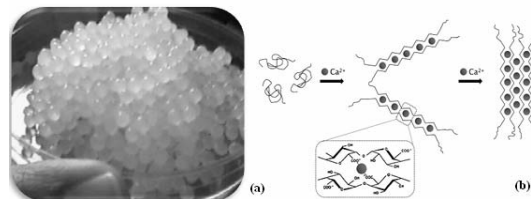


Key words: fluorine-containing 1,2,4-triazoles, 1,3,4-oxadiazoles,
antioxidant, antiurease and anti-xanthine oxidase activities.

Rev. Roum. Chim., 2016, 61(10), 733-746

Fatiha BELALIA and Nacer-Eddine DJELALI

Investigation of swelling/adsorption behavior of calcium alginate beads

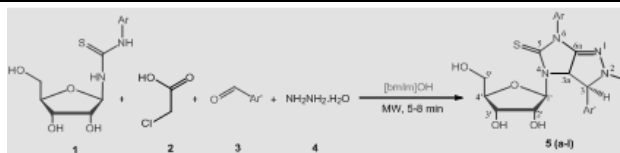


Rev. Roum. Chim., 2016, 61(10), 747-754

Key words:

Vishal SRIVASTAVA, Pravin K. SINGH, Surabhi SINHA and Praveen P. SINGH

[bmIm]OH catalysed four component one-pot synthesis of imidazo[4,5-c] pyrazole-2-thione-*N*-nucleosides

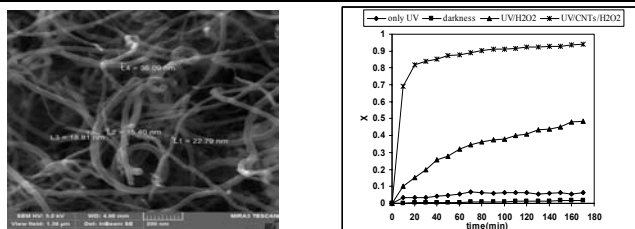


Key words: one-pot, [bmIm]OH, microwave synthesis, four component reaction, ionic liquid, imidazopyrazole nucleosides.

Rev. Roum. Chim., 2016, 61(10), 755-761

Misagh TORKAMAN, Reza MORADI and Bahran KAYVANI

Photocatalytic degradation azo dye Direct Red 23 using carbon nanotubes particles by UV/H₂O₂ process in batch photoreactor

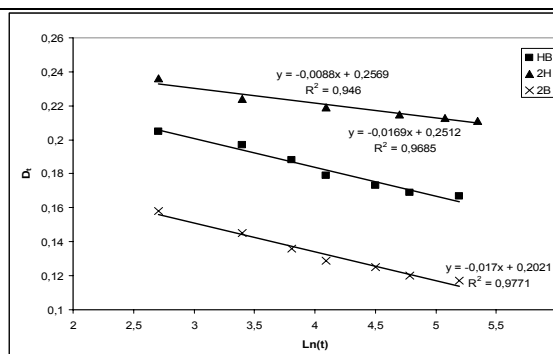


Rev. Roum. Chim., 2016, 61(10), 763-772

Key words: carbon nanotubes, photodegradation, dye, reactor.

Igor WINKLER and Anna SAVIUC

Adsorption and electroadsorption of toluene on some graphite/clay materials

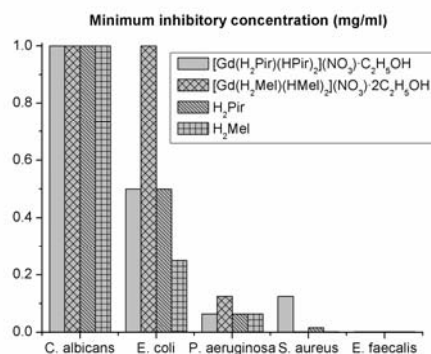


Key words: adsorption, adsorption dynamics, electroadsorption, graphite/clay materials, toluene.

Rev. Roum. Chim., 2016, 61(10), 773-778

Gabriela MARINESCU, Daniela C. CULITA, Luminita PATRON, Nicolae STANICA, Sultana NITA, Adina Magdalena MUSUC, Coralia BLEOTU, Marcela POPA, Crina KAMERZAN and Mariana Carmen CHIFIRIUC

Synthesis, characterization and evaluation of the antimicrobial and cytotoxic activity of two novel complexes of Gd(III) with piroxicam and meloxicam

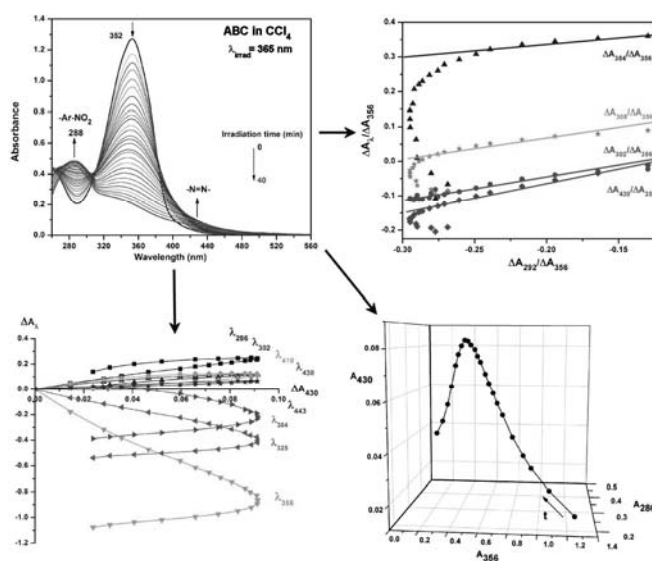


Rev. Roum. Chim., 2016, 61(10), 779-786

Key words: oxicam, gadolinium complexes, antimicrobial, cytotoxicity, cellular cycle.

Mihaela AVADANEI

Photochemical reactions
of 2,6-di(4'-azidobenzylidene)-methylcyclohexane
in fluid media

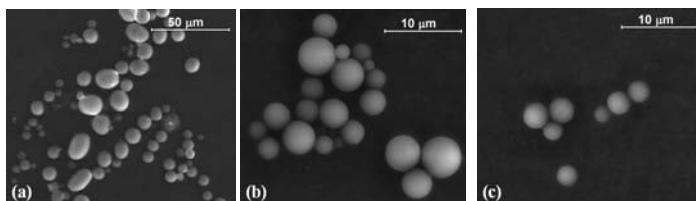


Key words: bisazide, UV-Vis spectroscopy, photoreactions, spectroscopic analysis, reaction mechanism.

Rev. Roum. Chim., 2016, 61(10), 787-796

**Camelia HULUBEI, Cristina Doina VLAD,
Dumitru POPOVICI, Iuliana STOICA,
Andreea Irina BARZIC and Daniela RUSU**

Polyimide micro- and nanoparticles *via* the
reprecipitation method

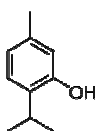


Key words: particle, polyimide, reprecipitation method, morphology.

Rev. Roum. Chim., 2016, 61(10), 797-804

**Ghayth RIGANE, Moufida Oueslati ARFAOUI,
Moemen CHIRA, Hanene GHAZGHAZI,
Amira YAHYAOU, Ridha Ben SALEM,
Sabiha HAMD, Malek HANNACHI,
Hager JOULI and Youssef AMMARI**

Chemical compositions, antioxidant and
antimicrobial activities of the essential oil of
Trachyspermum ammi L. growing in Tunisia



Key words: *Trachyspermum ammi* L., major constituents, thymol, antimicrobial, antioxidant.

Rev. Roum. Chim., 2016, 61(10), 805-811

