

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

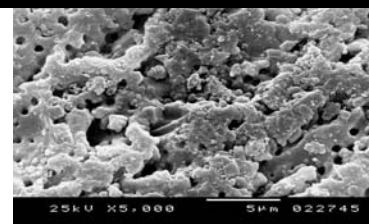
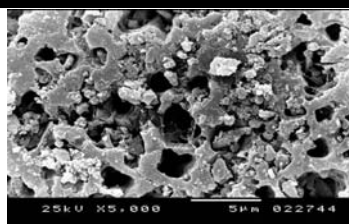
Tome 61, N° 1

Janvier 2016

PAPERS

**Mervette El BATOUTI and
Fatma Mohamed ABOUZEID**

Pb(II) adsorption from aqueous solution using modified sodium montmorillonite clay: equilibrium and kinetic study

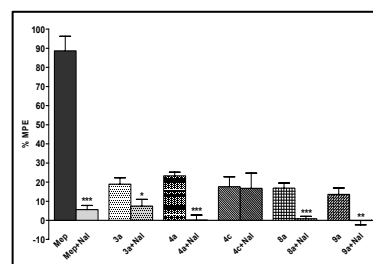
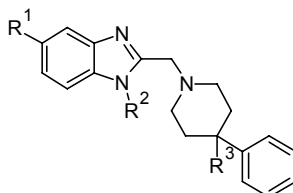


Rev. Roum. Chim., 2016, 61(1), 5-13

Key words: Pb (II), sodium montmorillonite, adsorption, kinetics, isotherm.

**Taner ERCANLI, Nur Banu BAL,
Elif Derya ÖZDEMİR, Yasemin DÜNDAR,
M. Orhan ULUDAĞ, Bilge ÇAKIR,
Tuncel ÖZDEN and Tijen ÖNKOL**

Synthesis and antinociceptive activity of meperidine-like benzimidazole derivatives

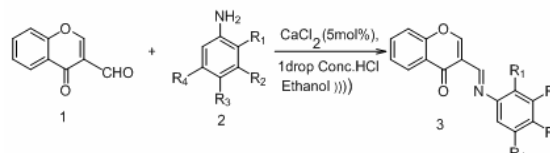


Rev. Roum. Chim., 2016, 61(1), 15-22

Key words: benzimidazole derivatives, antinociceptive activity, tail flick test, naloxone, and meperidine.

Pramod S. KULKARNI

Calcium chloride/HCl an efficient co-catalytic system for synthesis of 3-(aryliminomethyl)-chromones under sonochemical condition

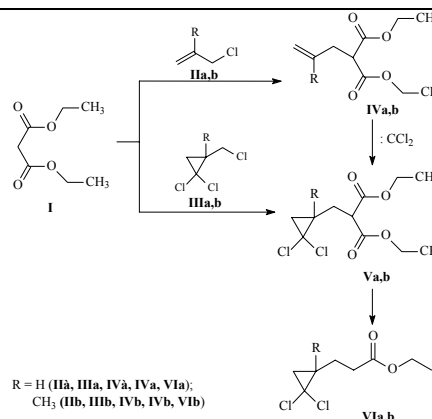


Rev. Roum. Chim., 2016, 61(1), 23-27

Key words: imines, formylchromones, amines, calcium chloride, ultrasound.

**Gulnara Z. RASKILDINA,
Julia G. BORISOVA and Simon S. ZLOTSKY**

Synthesis of gem-dichlorocyclopropylmethylmalonates and decarboxylation

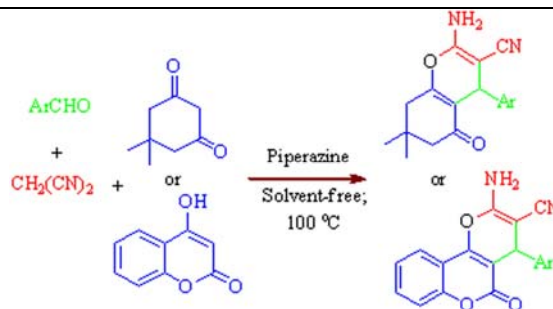


Key words: C-alkylation, diethyl malonate, 1,3-dichloropropene, gem-dichlorocyclopropanes, phase transfer catalysis, gem-dichlorocyclopropylmalonates, polychlorocyclopropane acids, decarboxylation, biological activity, herbicides.

Rev. Roum. Chim., 2016, 61(1), 29-33

Akbar MOBNIKHALEDI,
Hassan MOGHANIAN and Azam ZOHARI

Piperazine catalyzed one-pot, three-component synthesis of 4*H*-chromene and 3,4-dihydropyrano[*c*]chromene derivatives under solvent-free conditions

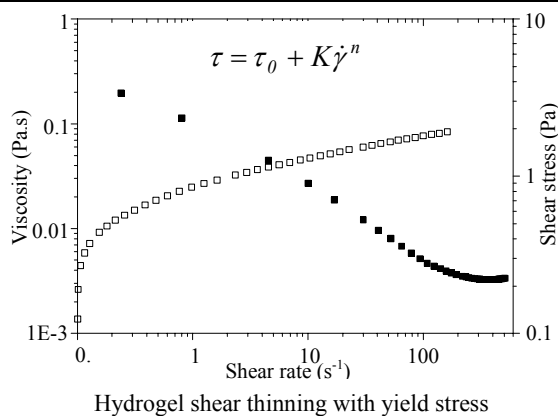


Key words: piperazine, 4*H*-chromene, 3,4-dihydropyrano[*c*]chromene, multi-component, solvent-free.

Rev. Roum. Chim., 2016, 61(1), 35-39

Nour Elhouda ANGAR and Djamel ALIOUCHE

Swelling kinetics and steady shear rheology of pH sensitive poly(acrylamide-co-itaconic acid) hydrogels

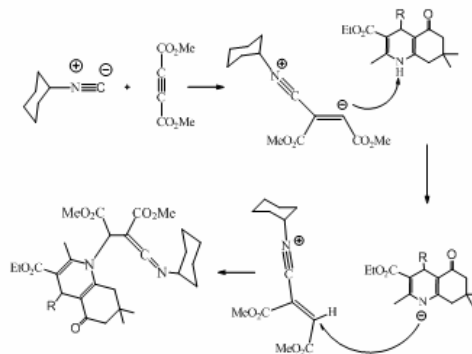


Key words: hydrogels, swelling, pH-sensitivity, diffusion, rheological behavior.

Rev. Roum. Chim., 2016, 61(1), 41-45

Hamideh EMTIAZI and Mohammad Ali AMROLLAHI

Catalyst-free one-pot synthesis of novel ketene imines

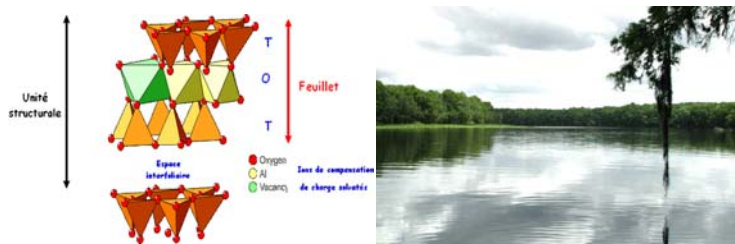


Key words: isocyanide, ketene imine, one-pot, catalyst-free, NH-acid.

Rev. Roum. Chim., 2016, 61(1), 47-53

Hadi DEBIH and Istvan GEBEFÜGI

Sorption of complex organic mixtures from river waters on layered montmorillonites

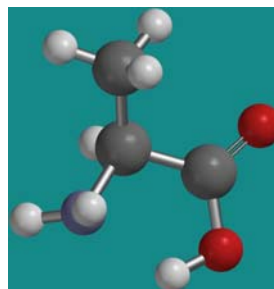


Key words: clays, ecology, specific sorption, natural organic materials, alteration.

Rev. Roum. Chim., 2016, 61(1), 55-60

Amalia STEFANIU and Olga IULIAN

Experimental and calculated thermodynamic properties of L-alanine in aqueous NaCl solutions at $T = (293.15 \text{ to } 323.15)\text{K}$

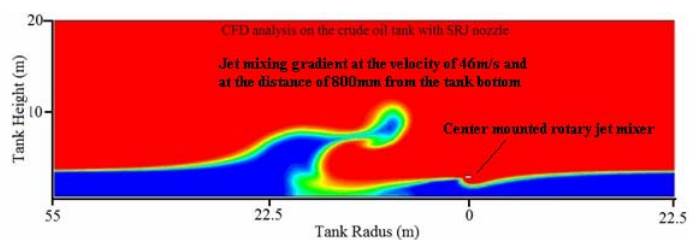


Rev. Roum. Chim., 2016, 61(1), 61-66

Key words: L-alanine, apparent molar volume, transfer volume, Jones – Dole coefficients.

Ali Akbar Lotfi NEYESTANAK and Ghasem ASADI and Saeed DANESHMAND

Introducing new relation to estimate mixing time of crude oil tank having submerged rotary jet mixer



Rev. Roum. Chim., 2016, 61(1), 67-74

Key words: submerged rotary jet, mixing time, time mixing, computational fluid dynamics, crude oil tank sludge.
