

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

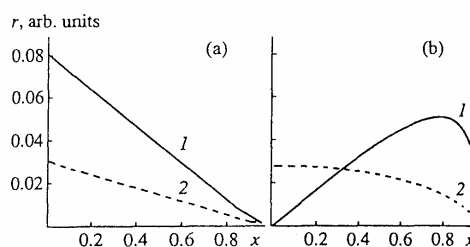
Tome 53, N° 6

Juin 2008

## REVIEW

Krassimira KUMBILIEVA and  
Lachezar PETROV

Reaction mechanism and deactivation modes  
of heterogeneous catalytic systems



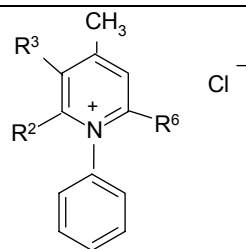
Rev. Roum. Chim., 2008, 53(6), 425-430

Key words: catalysis, kinetics, deactivation, reaction mechanism.

## PAPERS

Mariana Viorica BOGĂȚIAN,  
Anca HÎRTOPEANU, Alina NICOLESCU,  
Filip CHIRALEU, Maria MAGANU,  
Mircea VÎNĂTORU, Demetra SIMION and  
Călin DELEANU

Pyrylium salts with long alkyl substituents and  
derived pyridinium salts



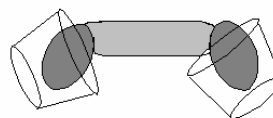
1Cl - 4Cl

Rev. Roum. Chim., 2008, 53(6), 431-437

Key words: N-phenylpyridinium chlorides, surfactants, CMC.

Gabriela IONIȚĂ

Inclusion complexes between  $\beta$ -cyclodextrin and  
biradicals with a rigid aromatic skelet

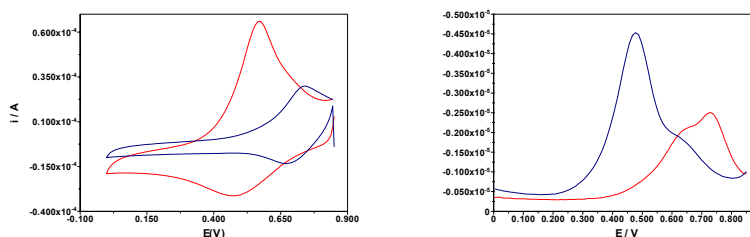


Rev. Roum. Chim., 2008, 53(6), 439-445

Key words: biradicals, EPR spectroscopy, cyclodextrin.

Constantin MIHAILCIUC and Stelian LUPU

Electrodeposition, characterization and application  
of Pt/CoHCF modified electrode

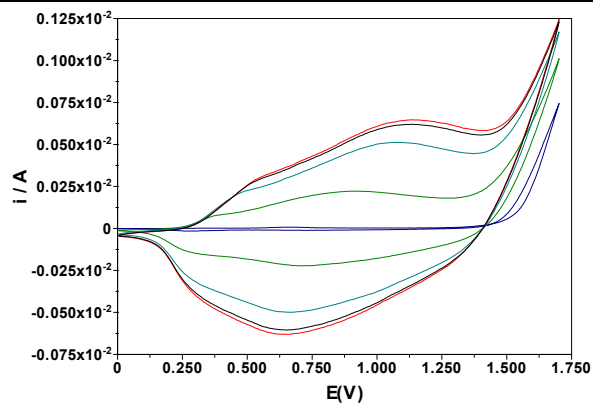


Rev. Roum. Chim., 2008, 53(6), 447-452

Key words: ascorbic acid, cobalt(II)-hexacyanoferrate, differential pulse  
voltammetry.

**Constantin MIHAILCIUC and Stelian LUPU**

Electrodeposition, characterization and application of Pt/P3MT modified electrode

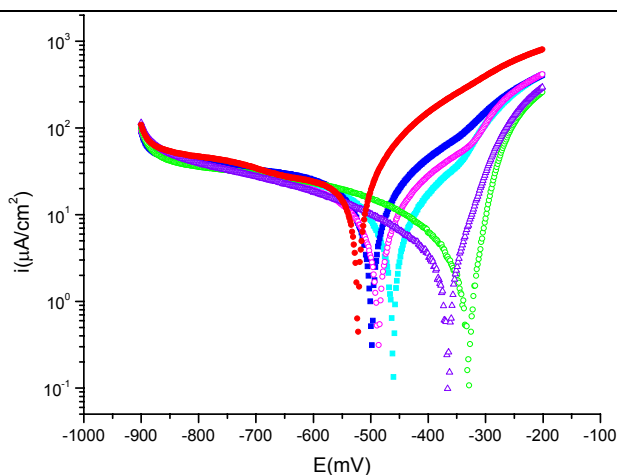


*Rev. Roum. Chim.*, 2008, 53(6), 453-457

**Key words:** ascorbic acid, poly(3-methylthiophene), conducting polymer, differential pulse voltammetry.

**Viorel BRĂNZOI, Florina BRĂNZOI, Angela STANCA and Liviu MITITEANU**

Corrosion protection of industrial cooling water systems by using new organic polymers as inhibitors

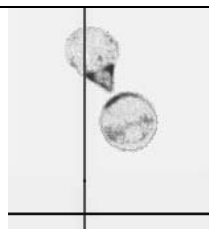


*Rev. Roum. Chim.*, 2008, 53(6), 459-469

**Key words:** antiscaling and corrosion inhibitors, microwave field, potentiodynamic polarizations, metallography analysis.

**Ioan-Răducan STAN, Maria TOMOAI-A-COTISEL, Aurelia STAN and Cristina BORZAN**

The effect of surface active compound adsorption on free drop deformations

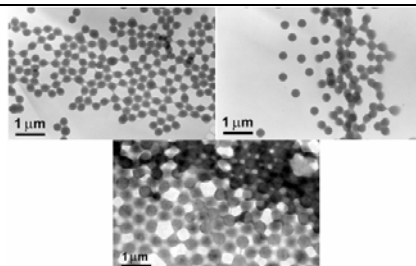


*Rev. Roum. Chim.*, 2008, 53(6), 471-479

**Key words:** interfacial tension gradient, Marangoni force, Marangoni effect, free drop deformations, dynamic instability, hydrodynamic model.

**Teodora STAICU, Marin MICUTZ, Gabriela CRISTESCU and Minodora LECA**

Temperature influence on surfactants adsorption onto poly(vinyl acetate) latices prepared via surfactant-free emulsion polymerization

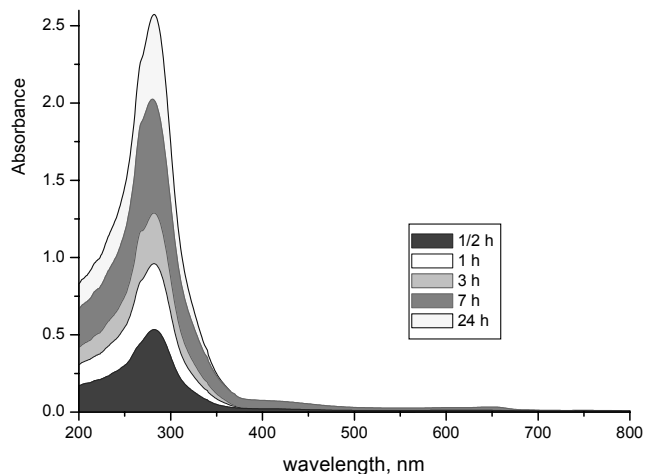


*Rev. Roum. Chim.*, 2008, 53(6), 481-487

**Key words:** surfactant-free emulsion polymerization, monodispersed latices, surfactant adsorption, fluorescence probes.

**Roxana BADULESCU, Ion BOLOCAN and Dan Sorin VASILESCU**

Chemical transformation of poly(styrene-alt-maleic anhydride) with *p*-amino-N, N-diethylaniline



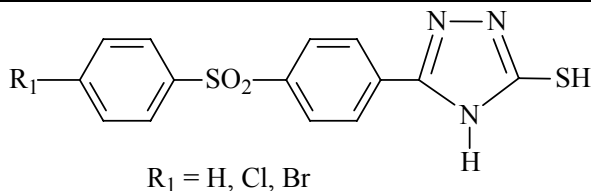
*Rev. Roum. Chim.*, 2008, 53(6), 489-496

**Key words:** poly (styrene-alt-maleic anhydride); chemical transformation; FTIR analyses.

#### NOTE

**Daniela ISTRATI, Angela POPESCU, Dan MIHAIESCU, Ioana SARAMET and Mihaela C. BALAȘU**

Flow-vacuum pyrolysis of polycyclic compounds.  
25. Pyrolysis of some 3-mercapto-5-substituted-1,2,4-triazoles



*Rev. Roum. Chim.*, 2008, 53(6), 497-503

**Key words:** flow-vacuum pyrolysis (FVP), substituted-1,2,4-triazoles.

