

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

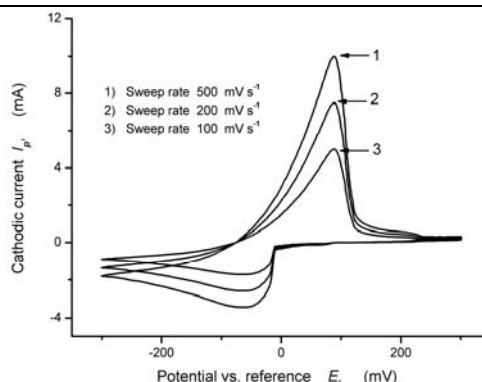
Tome 56, N° 8

Août 2011

## PAPERS

**Cristina DONATH, Elena NEACSU and  
Niculae ENE**

Cyclic voltammetry of iron ions in molten halides  
electrolytes

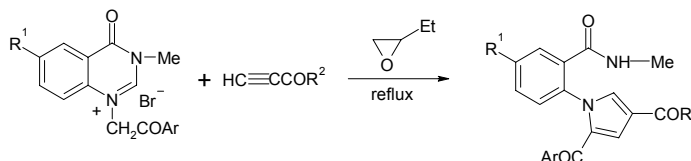


**Key words:** molten electrolyte, electrochemistry, cyclic voltammetry, electrode processes.

Rev. Roum. Chim., 2011, 56(8), 763-769

**Mino R. CAIRA, Florea DUMITRASCU,  
Emilian GEORGESCU,  
Florentina GEORGESCU,  
Marcel Mirel POPA**

New pyrroles from quinazolinium N1-ylides and  
acetylenic dipolarophiles

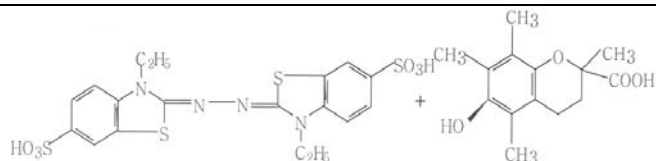


**Key words:** pyrroles, quinazolinium N-ylides, 1,3-dipolar cycloaddition, X-ray analysis.

Rev. Roum. Chim., 2011, 56(8), 771-776

**Elena NEAGU, Gabriela Paun ROMAN and  
Gabriel Lucian RADU**

Antioxidant capacity of some *Salvia officinalis*  
concentrated extracts

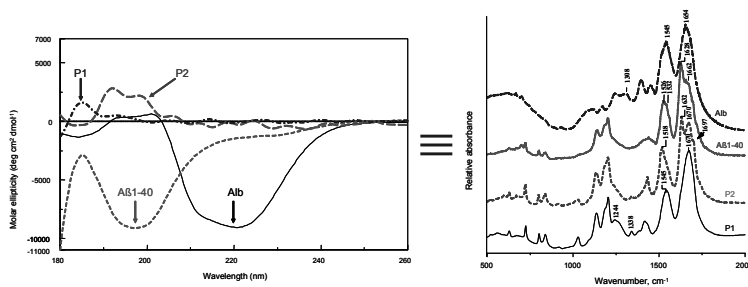


**Key words:** *Salvia officinalis*, ultrafiltration, polyphenols, DPPH, ABTS.

Rev. Roum. Chim., 2011, 56(8), 777-782

**Adriana ADOCHITEI and Gabi DROCHIOIU**

Rapid characterization of peptide secondary  
structure by FT-IR spectroscopy

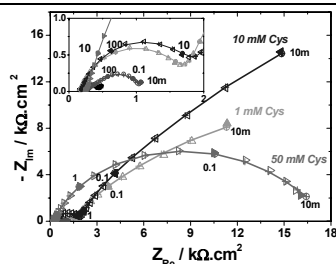


**Key words:** FT-IR, protein structure, peptide conformation, CD spectroscopy.

Rev. Roum. Chim., 2011, 56(8), 783-791

**Simona VARVARA, Ileana ROTARU,  
Maria POPA and Liana Maria MUREȘAN**

Inhibition of bronze corrosion in aerated acidic solution using amino acids as environmentally friendly inhibitors

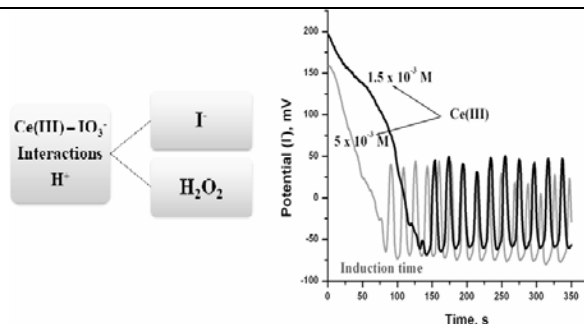


**Key words:** bronze, corrosion, amino acids, polarisation curves, electrochemical impedance spectroscopy.

*Rev. Roum. Chim.*, 2011, 56(8), 793-801

**Rodica NIȚOI**

The effect of the Ce(III)-iodate interactions in the Briggs-Rauscher oscillating reaction

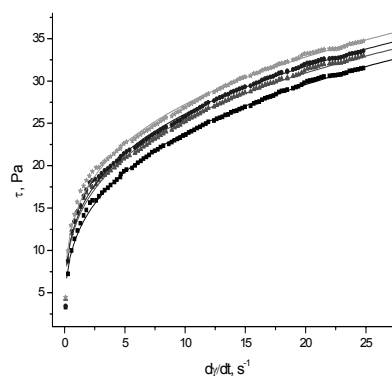


**Key words:** Ce(III)-Iodate interactions,  $[\text{Ce}^{\text{III}}(\text{IO}_3)_n]^{3-n}$ ,  $\text{H}_2\text{O}_2$  decomposition.

*Rev. Roum. Chim.*, 2011, 56(8), 803-809

**Dorin ȘULEA, Marin MICUTZ,  
Mădălina Georgiana ALBU,  
Teodora STAIKU, Minodora LECA,  
Lăcrămioara POPA and  
Mihaela Violeta GHICA**

Collagen-Thuja tincture biomaterials for wound treatment. 3. Hydrogels containing thuja tincture and chlorhexidine digluconate

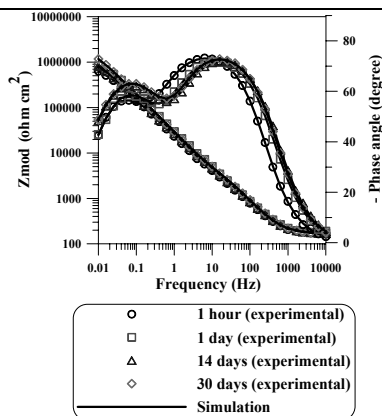


**Key words:** collagen hydrogels with CHDG and thuja tincture, FT-IR, UV-CD, rheology, CHDG delivery.

*Rev. Roum. Chim.*, 2011, 56(8), 811-817

**Daniel MARECI, Sorin Iacob STRUGARU,  
Corneliu MUNTEANU,  
Radu TĂRNĂUCEANU and  
Daniel SUTIMAN**

Corrosion performance of plasma nitrided austenitic stainless steel in phosphate solutions at pH=6.0

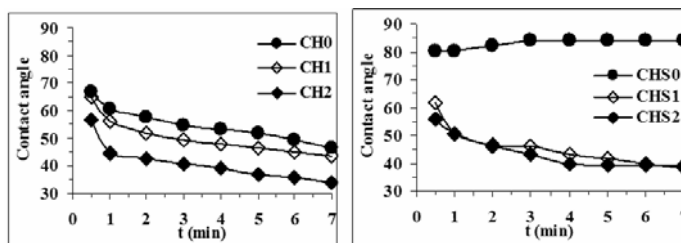


**Key words:** austenitic stainless steel, microhardness, open circuit potential, potentiodynamic polarization, SEM, EIS.

*Rev. Roum. Chim.*, 2011, 56(8), 819-826

Viorica-Niculina STĂNESCU,  
Mihaela OLTEANU,  
Manuela FLOREA-SPIROIU,  
Elena PINCU and Viorica MELTZER

Starch/chitosan film forming hydrogel

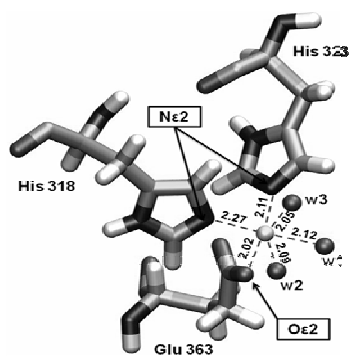


*Rev. Roum. Chim.*, 2011, 56(8), 827-832

**Key words:** chitosan, starch, alkylpolyglucoside, film forming hydrogel.

Maria MERNEA, Octavian CĂLBOREAN,  
Andrei TIȚA and Dan Florin MIHAILESCU

Pro206Ser and Arg441His mutations influence  
on human tryptophan hydroxylase  
2 activity – a molecular modeling study



*Rev. Roum. Chim.*, 2011, 56(8), 833-841

**Key words:** TPH2, bipolar disorder, catalytic site, flexibility, structural model.

