

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

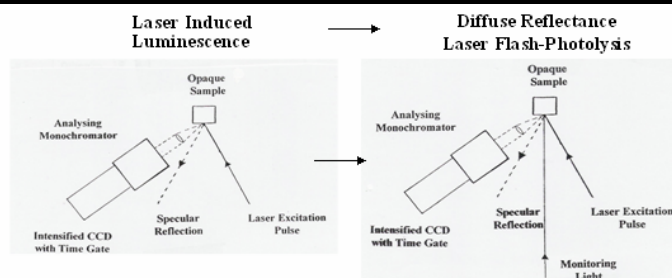
Tome 53, N° 10

Octobre 2008

## REVIEW

Anabela Sousa De OLIVEIRA,  
Josino COSTA MOREIRA  
and Luis Filipe VIEIRA FERREIRA

Surface photochemistry techniques applied to the study of environmental carcinogens



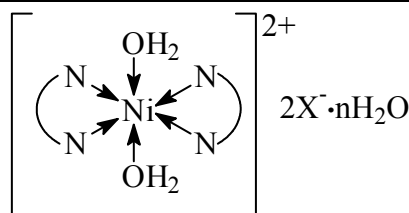
**Key words:** surface photochemistry, ground state diffuse reflectance, laser induced luminescence, diffuse reflectance laser flash photolysis, polycyclic aromatic hydrocarbons, environmental carcinogens.

*Rev. Roum. Chim.*, 2008, 53(10), 893-902

## PAPERS

Mirela CĂLINESCU,  
Emilia ION and Adrian-Mihail STADLER

Studies on nickel(II) complex compounds with 2-benzothiazolyl hydrazones

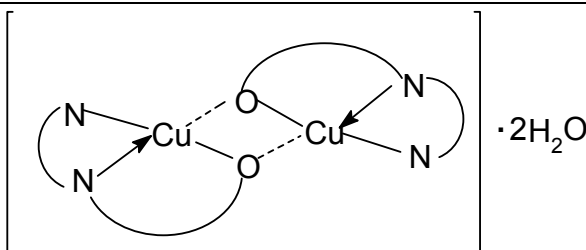


**Key words:** hydrazones, benzothiazolyl hydrazones, Ni(II) complexes, ligand field theory.

*Rev. Roum. Chim.*, 2008, 53(10), 903-909

Mirela CĂLINESCU, Emilia ION,  
Rodica GEORGESCU and  
Ticuța NEGREANU-PÎRJOL

Synthesis, spectroscopic, antibacterial and antifungal studies on copper(II) complexes with 2-benzothiazolyl hydrazones

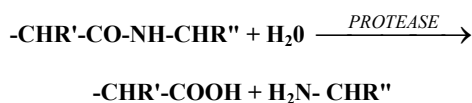


**Key words:** copper(II) complexes, benzothiazolyl hydrazones, electronic paramagnetic resonance, antimicrobial activity.

*Rev. Roum. Chim.*, 2008, 53(10), 911-919

Nicoleta STĂNCIUC (SAVA),  
Iesel van der PLANCKEN, Gabriela ROTARU  
and Marc HENDRICKX

Denaturation impact in susceptibility of beta-lactoglobulin to enzymatic hydrolysis: a kinetic study

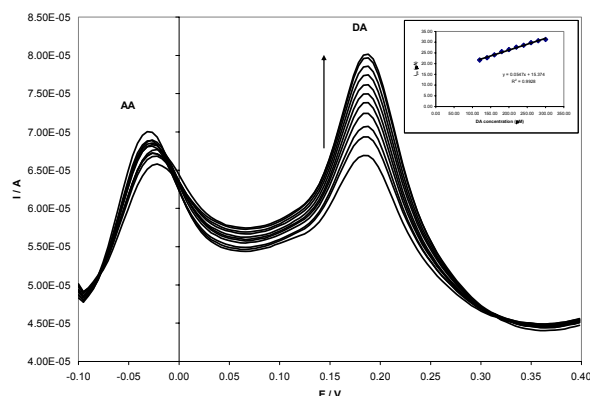


**Key words:** kinetics,  $\beta$ -lactoglobulin, thermal treatment, hydrolysis, pH-stat.

*Rev. Roum. Chim.*, 2008, 53(10), 921-929

**Stelian LUPU, Paul Cătălin BALAURE, Cecilia LETE, Mariana MARIN and Nicolae TOTIR**

Voltammetric determination of dopamine at PEDOT-Prussian blue composite modified electrodes

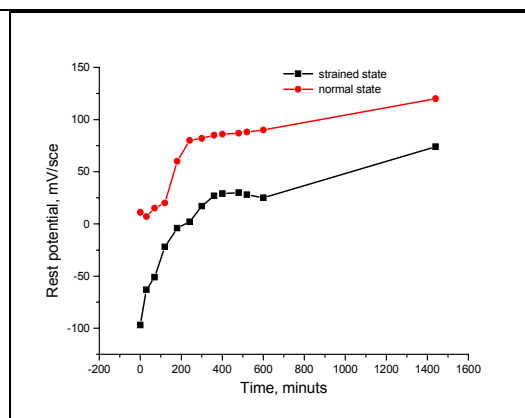


**Key words:** hybrid inorganic-organic coatings, modified ultramicroelectrode, dopamine, ascorbic acid, differential pulse voltammetry.

*Rev. Roum. Chim.*, **2008**, 53(10), 931-939

**Alexandra BANU, Maria MARCU and Octavian RADOVICI**

Electrochemical studies on tribocorrosion behavior of a nickel-chromium-molybdenum dental alloy in artificial saliva

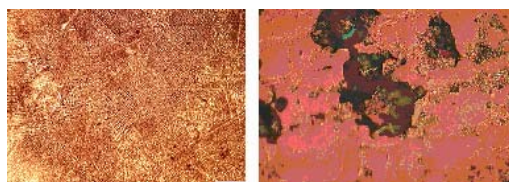


*Rev. Roum. Chim.*, **2008**, 53(10), 941-945

**Key words:** friction, corrosion, stainless steels, dental alloy.

**Alexandra BANU, Octavian RADOVICI and Maria MARCU**

The alloying influence on corrosion behaviour of chromium surgical alloys

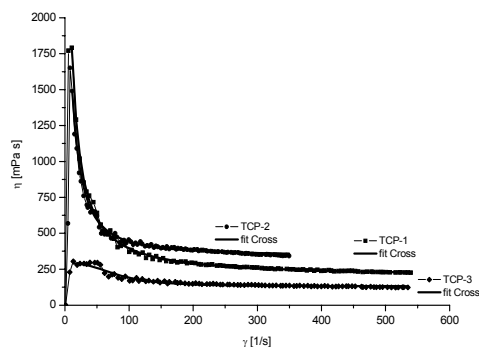


**Key words:** corrosion, chromium alloys, bio-fluids, cyclic voltametry, EIS.

*Rev. Roum. Chim.*, **2008**, 53(10), 947-953

**Maria SPĂTARU, Christu ȚÂRDEI, Monica R. NEMȚANU and Florentina BOGDAN**

Rheology of tricalcium phosphate ( $\beta$ -TCP) suspensions

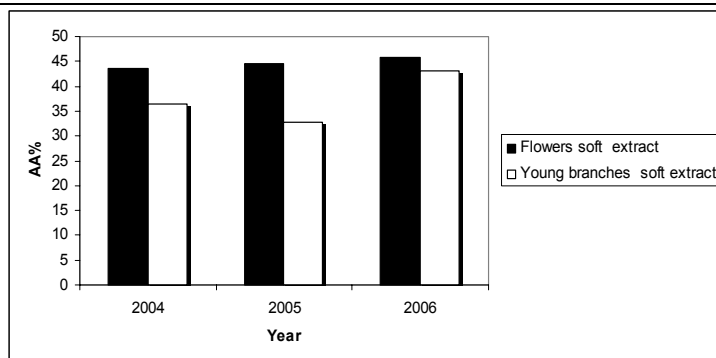


**Key words:**  $\beta$ -TCP, aqueous suspensions, additions, rheological characteristics.

*Rev. Roum. Chim.*, **2008**, 53(10), 955-959

**Laura BUCUR, Ticuța NEGREANU-PÎRJOL,  
Maria GIURGINCA and Viorica ISTUDOR**

Some new *Elaeagnus angustifolia* L. extracts and the pharmaceutical products' antioxidant activities determined by the chemiluminescence method

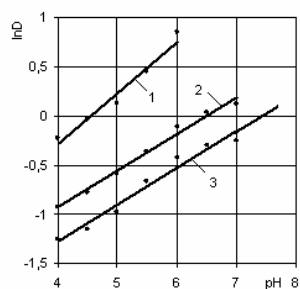


**Key words:** antioxidant activity, chemiluminescence method, polyphenols, *Elaeagnus angustifolia* L.

*Rev. Roum. Chim.*, 2008, 53(10), 961-964

**Mircea ȘTEFAN, Daniela Simina ȘTEFAN,  
Ioana Andreea MARINESCU, Mihai BELCU  
and Danuț Ionel VĂIREANU**

Simultaneous sorption of cadmium, zinc and lead on montmorillonite



*Rev. Roum. Chim.*, 2008, 53(10), 965-971

**Key words:** sorption, cadmium, zinc, lead, wastewaters.

