

REVUE ROUMAINE DE CHIMIE (ROMANIAN JOURNAL OF CHEMISTRY)

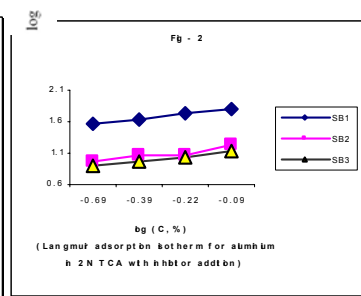
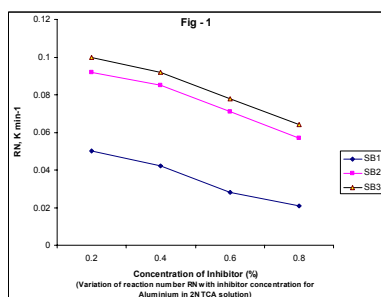
Tome 55, N° 4

Avril 2010

PAPERS

**Kumar Mahor DEVENDER,
Kumar Upadhyay RAJESH and
Chaturvedi ALOK**

Study of corrosion inhibition efficiency of some Schiff's bases on aluminium in trichloroacetic acid solution

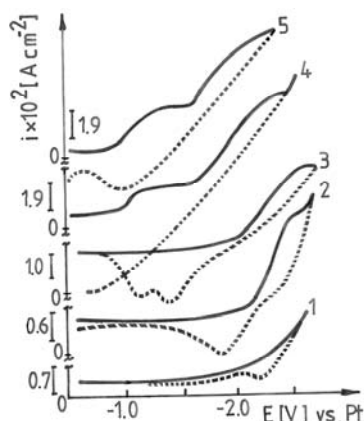


Key words: inhibition efficiency, corrosion rate, reaction number, surface coverage, weight loss.

Rev. Roum. Chim., 2010, 55(4), 227-232

**Victor MALYSHEV, Angelina GAB,
Dimitrii SHAKHNIN, Ana-Maria POPESCU,
Virgil CONSTANTIN and Mircea OLTEANU**

High temperature electrochemical synthesis of molybdenum, tungsten and chromium borides from halide-oxide melts

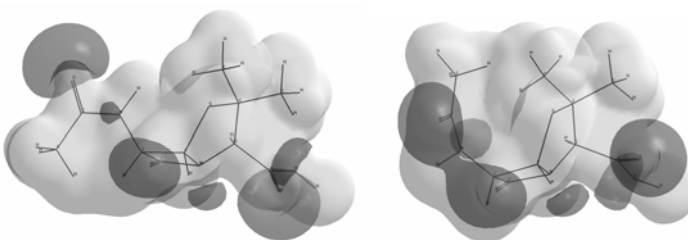


Key words: high temperature electrochemical synthesis, molten salts, metal borides, molybdenum borides, tungsten borides, chromium borides.

Rev. Roum. Chim., 2010, 55(4), 233-238

**Mihaela SCHULZ, Maria MRACEC,
Eugen ȘIȘU and Mircea MRACEC**

PM3 conformational analysis of the (3S,5R,6R)-6-acetylamidopenicillanic acid. II. Electronic properties

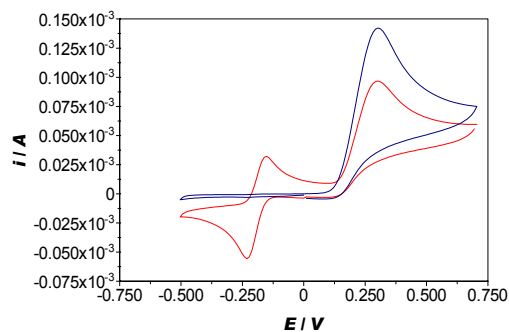


Key words: (3S,5R,6R)-6-acetylamidopenicillanic acid, conformational analysis, electronic properties, PM3.

Rev. Roum. Chim., 2010, 55(4), 239-247

**Alina CRISTIAN, Andra DOBRE,
Ileana SANDU, Andreea LUNGU and
Constantin MIHAILCIUC**

Electrochemical study of epinephrine at platinum electrode

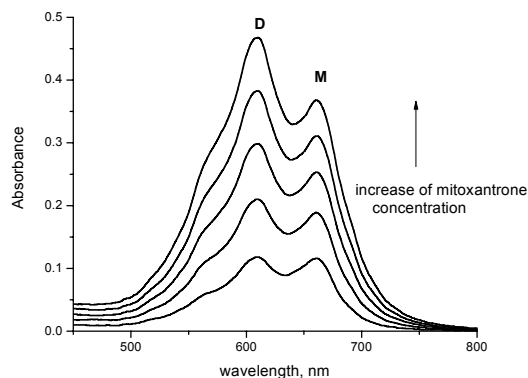


Rev. Roum. Chim., **2010**, 55(4), 249-253

Key words: epinephrine, cyclic voltammetry.

Mirela ENACHE and Elena VOLANSCHI

Spectral characterization of self-association of antitumor drug mitoxantrone

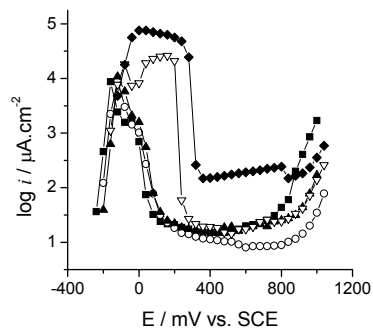


Rev. Roum. Chim., **2010**, 55(), 255-262

Key words: antitumor drug mitoxantrone, dimerization process, surfactant micelles.

**Gabriela Elena BADEA, Simona DZITAC,
Camelia PORUMB, L. POPPER and
Teodora BADEA**

Nitrate ion effects on the nickel corrosion and passivation behaviour in 0.5 M H₂SO₄ solutions

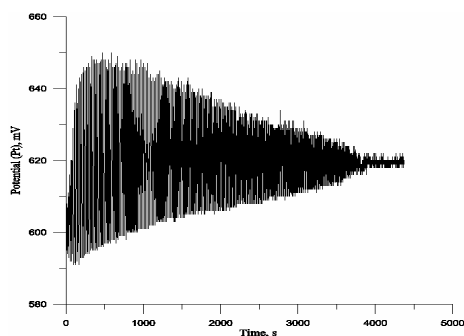


Rev. Roum. Chim., **2010**, 55(4), 263-267

Key words: nickel, nitrate ion, sulphuric acid, potentiostatic polarization curves, corrosion, passivity.

**Rodica NIȚOI, Gelu BOURCEANU and
Gheorghe NEMȚOI**

On the Mn(II) and Ce(III) role on the I₂ production in the system {IO₃⁻, H₂O₂, H⁺}

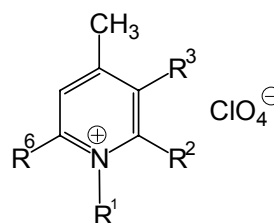


Rev. Roum. Chim., **2010**, 55(4), 269-276

Key words: complex ions, cyclic voltammetry, kinetic methods, BR autonomous oscillator.

Mariana Viorica BOGĂȚIAN,
Sever SERBAN, Gheorghe BOGĂȚIAN,
Anca HÎRTOPEANU, Călin DELEANU and
Petru FILIP

Artificial membranes by the self-assembly of
 N-dodecyl and N-methyl pyridinium salts with
 long alkyl substituents

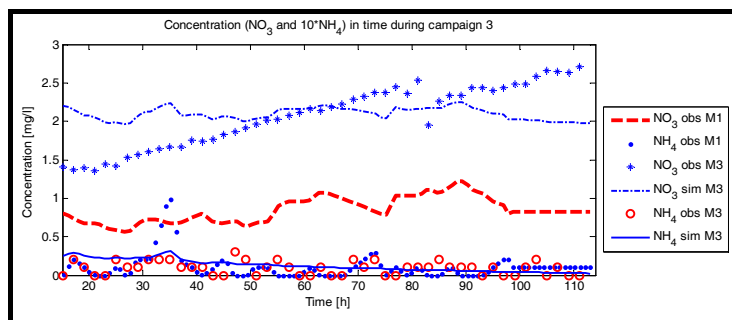


Rev. Roum. Chim., **2010**, 55(4), 277-284

Key words: pyridinium salts, artificial membranes, DSC, DLS.

Elisabeta-Cristina ANI,
Michael George HUTCHINS,
Andrzej KRASLAWSKI and
Paul Serban AGACHI

Assessment of pollutant transport and river water
 quality using mathematical models

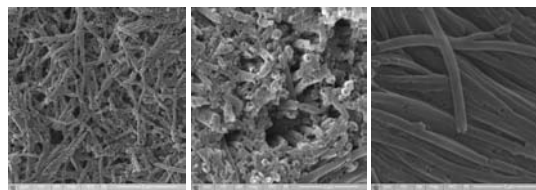


Rev. Roum. Chim., **2010**, 55(4), 285-291

Key words: pollutant transport modelling, nutrient, accidental release,
 dispersion.

Alina PRUNĂ, Viorel BRĂNZOI and
Florina BRĂNZOI

Application of template-based polyaniline
 nanotubes synthesized in anodic porous alumina



Rev. Roum. Chim., **2010**, 55(4), 293-298

Key words: polyaniline, nanotubes, electrochemical polymerization,
 copper, nanowires.

