

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

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REVIEW

Adina Elena STANCIU

Radionuclides in targeted therapy of cancer



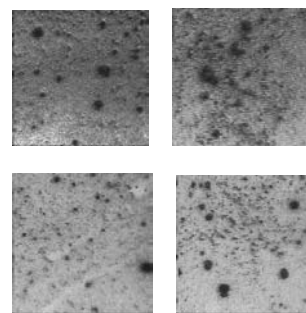
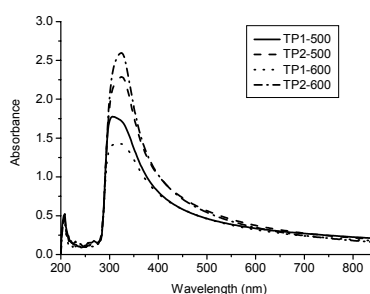
Key words: radionuclide, radiopharmaceutical product, targeted radionuclide therapy, cancer therapy.

Rev. Roum. Chim., 2012, 57(1), 5-13

PAPERS

Marcela-Corina ROȘU,
Ramona-Crina SUCIU,
Simina-Virginia DREVE,
Teofil-Dănuț SILIPAȘ, Ioan BRATU and
Emil INDREA

The influence of PEG/PPG and of the annealing temperature on TiO₂-based layers properties

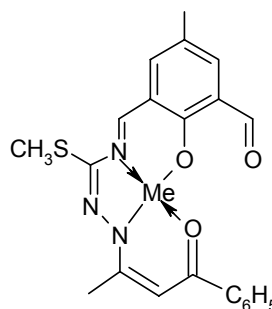


Key words: nanocrystalline TiO₂, photocatalyst, polyethylene glycol, polypropylene glycol.

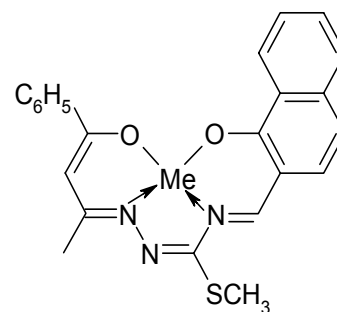
Rev. Roum. Chim., 2012, 57(1), 15-21

Maria COCU, Alexandra CILOCI,
Jana TIURINA, Svetlana LABLIUC,
Steliana CLAPCO, Maria STRATAN,
Jiulieta GRADINARU and Ion BULHAC

The influence of nickel(II) and copper(II) coordination compounds based on benzoylacetone S-methylisothiosemicarbazone on enzymatic activity of micromycete *Aspergillus niger* CNMN FD 10



Me= Ni (NiL¹)
Me= Cu (CuL¹)



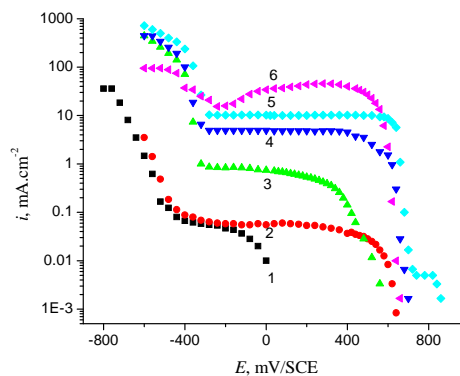
Me= Ni (NiL²)
Me= Cu (CuL²)

Rev. Roum. Chim., 2012, 57(1), 23-27

Key words: metal complexes, nickel(II), copper(II), cellulolytic activity, micromycete.

**Gabriela Elena BADEA, Cornel ANTAL,
Marcel ROȘCA and Aurel SETEL**

Autocatalytic reduction of Cr(VI) on platinum
electrode in acid solution

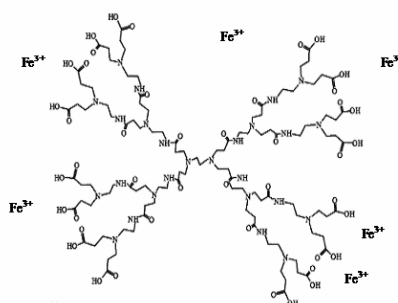


Rev. Roum. Chim., **2012**, 57(1), 000-000

Key words: chromate, sulphuric acid solutions, platinum, reduction,
mechanism.

**Laura-Madalina POPESCU,
Roxana Mioara PITICESCU,
Giovanni DONI and Andrea DANANI**

Interfacial interactions of Fe^{3+} with PAMAM
dendrimer in different pressure conditions.
Molecular dynamics

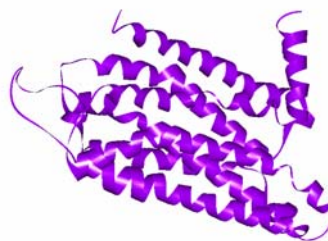


Rev. Roum. Chim., **2012**, 57(1), 000-000

Key words: PAMAM dendrimer, Fe^{3+} -PAMAM interactions, molecular
dynamics, radial distribution function.

**Daniela MARGAN, Ana BOROTA,
Maria MRACEC and Mircea MRACEC**

3D homology model of the human prostaglandin
E2 receptor EP4 subtype

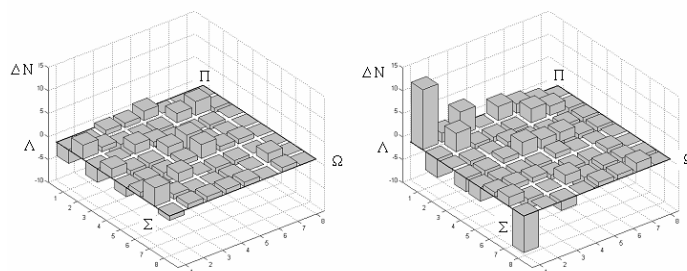


Rev. Roum. Chim., **2012**, 57(1), 000-000

Key words: GPCR, 3D homology model, PE2R4, EP4, adenosine
receptor A2a template.

**Cristina STAN, Constantin P. CRISTESCU
and Dana Andreea NEACSU**

Using chaos game representation for similarity
studies on albumin amino acids sequences

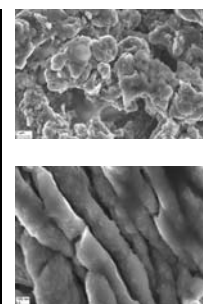
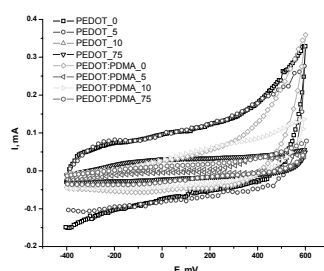


Rev. Roum. Chim., **2012**, 57(1), 000-000

Key words: chaos game representation, protein sequences, albumin.

**Florina BRÂNZOI, Viorel BRÂNZOI,
Alina PRUNĂ**

Characterization of electrochemical properties of poly(3,4-ethylene dioxythiophene) – poly(N,N-dimethyl aniline) and copolymer

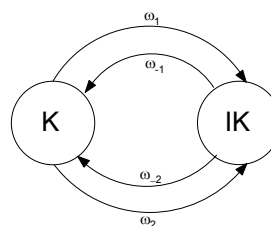


Key words: poly(3,4-ethylene dioxythiophene), poly(N,N-dimethyl aniline), copolymerization, cyclic voltammetry, dopant, cyclic voltammetry, scanning electron microscopy (SEM).

Rev. Roum. Chim., 2012, 57(1), 49-55

Eugen SEGAL

Kinetic graphs as a useful tool for the kinetic description of catalytic and chain reactions

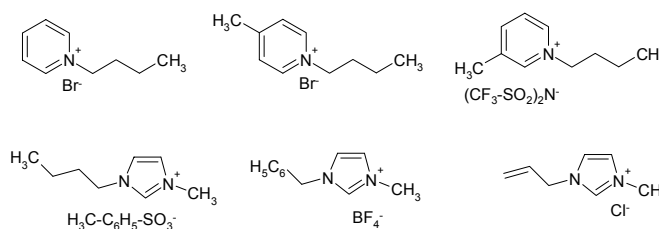


Key words: complex reaction mechanisms, kinetic graphs, steady state approximation.

Rev. Roum. Chim., 2012, 57(1), 57-60

Medeea RADULESCU, Emilia-Elena IORGULESCU, Constantin MIHAILCIUC and Victor DAVID

Comparative study of the retention of pyridinium and imidazolium based ionic liquids on octadecylsilica stationary phase under ion pairing mechanism with alkylsulphonate anions



Key words: ionic liquids, ion pairing, liquid chromatography, octadecylsilica, alkylsulphonate.

Rev. Roum. Chim., 2012, 57(1), 61-67

The 3rd Regional Symposium on
Electrochemistry: South-East Europe

Rev. Roum. Chim., 2012, 57(1), 69-70

Strengthening the Roumanian research capacity
in multifunctional polymeric materials
(FP7-REGPOT-2010-1-STREAM)

Rev. Roum. Chim., 2012, 57(1), 71-72