

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

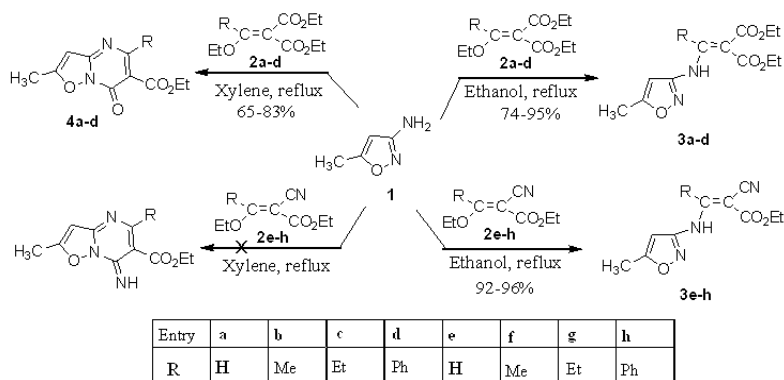
Tome 57, N° 11

Novembre 2012

PAPERS

Abdullah Soliman Al-AYED,
Ali KHALFALLAH and
Mohamed Tahar KADDACHI

Reactions of 3-amino-5-methylisoxazole with enol ethers: synthesis of new isoxazolylenamines derivatives and substituted isoxazolo[2,3-a]pyrimidinones

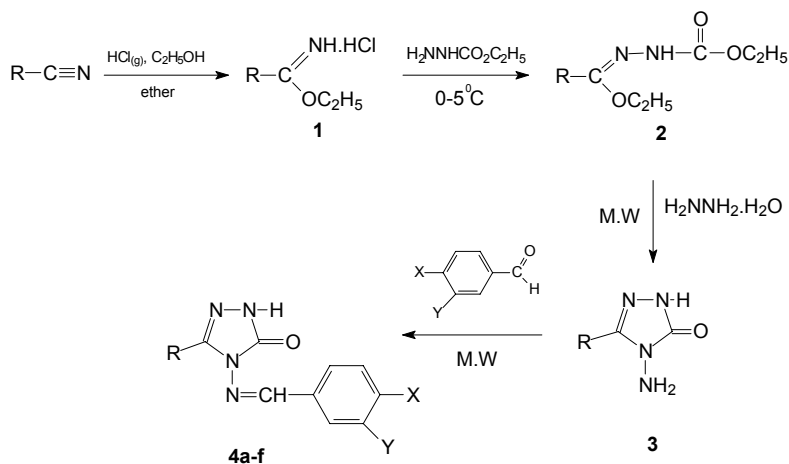


Key words: 3-amino-5-methylisoxazole, ethoxymethylenemalonate, ethoxymethylenecyano-acetate, isoxazolo[2,3]pyrimidinones, isoxazolylenamines.

Rev. Roum. Chim., 2012, 57(11), 901-906

Emre MENTEŞE, Fatih İSLAMOĞLU and
Bahittin KAHVECİ

Microwave-assisted synthesis of some new benzylidenamino compounds and potentiometric determination of their pKa



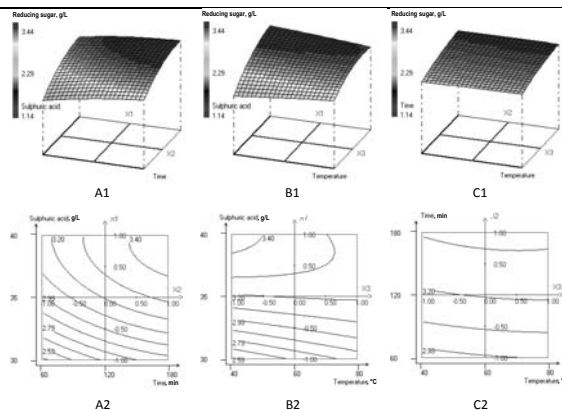
	4a	4b	4c	4d	4e	4f
R	<i>o</i> -ClC ₆ H ₄ CH ₂	<i>o</i> -ClC ₆ H ₄ CH ₂	<i>o</i> -ClC ₆ H ₄ CH ₂	<i>o</i> -ClC ₆ H ₄ CH ₂	<i>m</i> -ClC ₆ H ₄ CH ₂	<i>m</i> -ClC ₆ H ₄ CH ₂
X	F	H	F	NO ₂	F	NO ₂
Y	H	Cl	Br	H	H	H

Key words: benzylidenamino, microwave, acidity, potentiometric titrations, pKa.

Rev. Roum. Chim., 2012, 57(11), 907-913

Andrei I. SIMION, Paula E. DOBROVICI, Lăcrămioara RUSU, Lidia FAVIER-TEODORESCU and Domnica CIOBANU

Mathematical modelling of the process of sugar beet pulp valorisation by acid hydrolysis



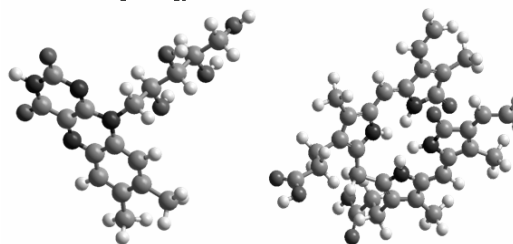
Key words: sugar beet, beet-pulp, hydrolysis, mathematical modelling, optimization.

Rev. Roum. Chim., 2012, 57(11), 915-920

Mariana VOICESCU, Adrian BETERINGHE, Marilena VASILESCU and Aurelia MEGHEA

Spectroscopic study on the antioxidant activity of riboflavin in the presence of bilirubin

The binding energy of RF towards BR: -159.8 kJ/mol

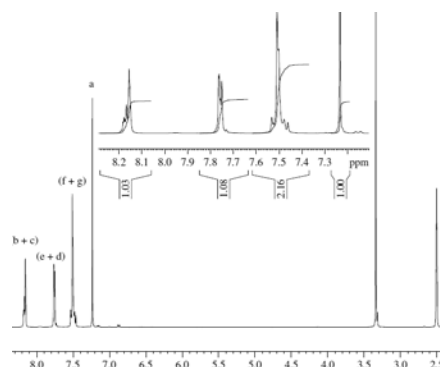


Key words: chemiluminescence, fluorescence, molecular dynamics, riboflavin, bilirubin.

Rev. Roum. Chim., 2012, 57(11), 921-928

Mitica SAVA

Bismaleimide monomers with various structures and polyaspartimides

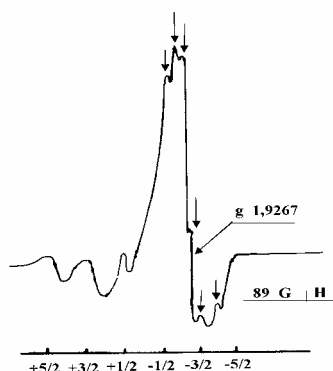


Rev. Roum. Chim., 2012, 57(11), 929-937

Key words: bismaleimides, polyaspartimides, thermal and physical properties.

Mihail CONTINEANU, Ana NEACȘU, Iulia CONTINEANU and Adina-Elena STANCIU

Kinetics of the thermal disappearance of radicals formed during the radiolysis of ammonium paramolybdate (APMO)

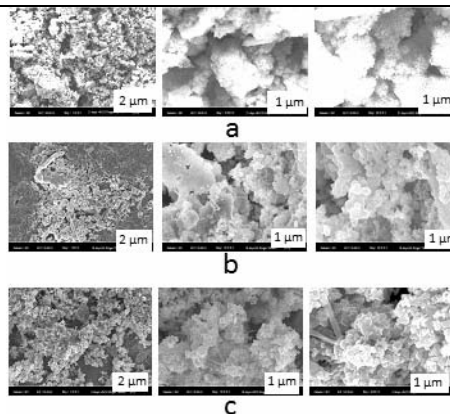


Key words: thermal disappearance, gamma irradiation, hyperfine splitting, paramagnetic species.

Rev. Roum. Chim., 2012, 57(11), 939-947

**Aysel BÜYÜKSAGIŞ, Fikriye Nur AKAN,
Yusuf KAYALI and Emine BULUT**

Corrosion behaviours of hydroxyapatite coated
by biomimetic method of Ti6Al4V, Ti and
AISI 316L SS substrates

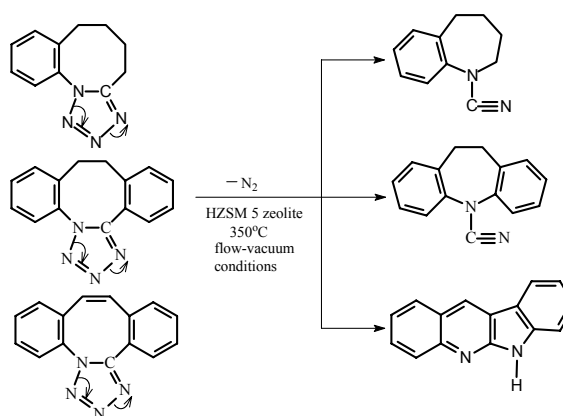


Key words: corrosion, biomimetic method, biomaterials, hydroxyapatite, SBF solution.

Rev. Roum. Chim., 2012, 57(11), 949-964

**Marius PELMUS, Angela POPESCU,
Beatrice-Anamaria TEODORU,
Daniela ISTRATI, Constantin DRAGHICI,
Dan MIHAIESCU and Florin BADEA**

Thermal decomposition of annelated 1,5-tetrazoles
with mono- and dibenzocycloalkane skeleton over
HZSM-5 zeolite in flow-vacuum conditions

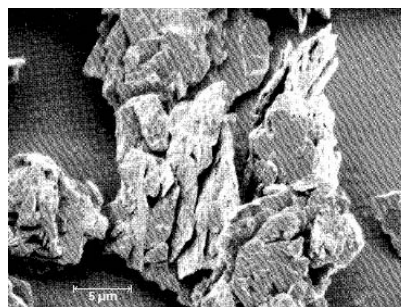


Key words: flow-vacuum thermal decomposition, tetrazoloazocines, HZSM-5 zeolite.

Rev. Roum. Chim., 2012, 57(11), 965-970

Alexandru TĂNASE and Adriana MIU

Assay of nickel in magnesium stearate by
GF-AAS without sample mineralisation

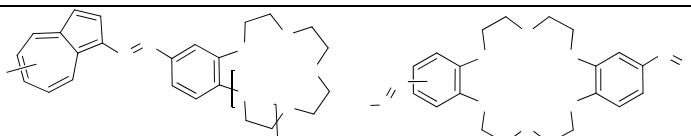


Key words: assay of nickel, magnesium stearate excipient, GF-AAS, method development and validation.

Rev. Roum. Chim., 2012, 57(11), 971-985

**Alexandru C. RAZUS, Liviu BIRZAN,
Victorita TECUCEANU, Mihaela CRISTEA
and Anamaria HANGANU**

Benzo- and dibenzo-crown ethers substituted with
(azulene-1-yl) azo chromophores. Synthesis and
properties



Rev. Roum. Chim., 2012, 57(11), 987-995

Key words: azulene, crown ethers, diazene, azo coupling, liophilicity.

BOOK REVIEW

M. IOVU and A.W. BALOCH

“Textbook of Organic Chemistry”
(Valeriu Dragutan)

Rev. Roum. Chim., **2012**, 57(11), 997
