

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

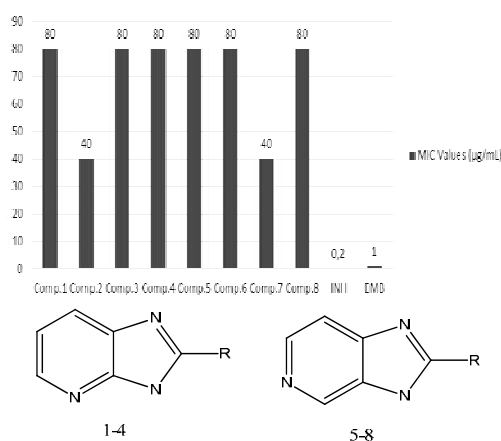
Tome 59, N° 1

Janvier 2014

PAPERS

**Azime Berna ÖZÇELİK, Mahmut ÜLGER,
Gönül ASLAN, Gürol EMEKDAŞ
and Tuncel ÖZDEN**

Studies on *in vitro* antimycobacterial activities of some 2-substitutedimidazo[4,5-b] and [4,5-c] pyridine derivatives

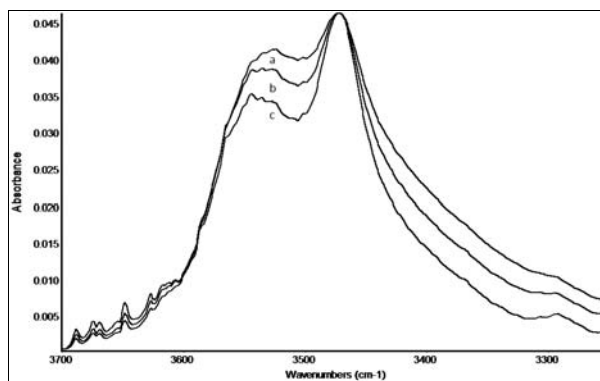


Key words: imidazo[4,5-b]pyridine, imidazo[4,5-c]pyridine, antimycobacterial activity

Rev. Roum. Chim., 2014, 59(1), 5-8

**Ali AL-ZIER, Hussam ALLAHAM,
Kholoud LATIFI and Abdul W. ALLAF**

FTIR spectroscopic efficiency of Eugenol methylether additive as free radical scavenger agent to sunflower cooking oil at high temperature and different concentrations

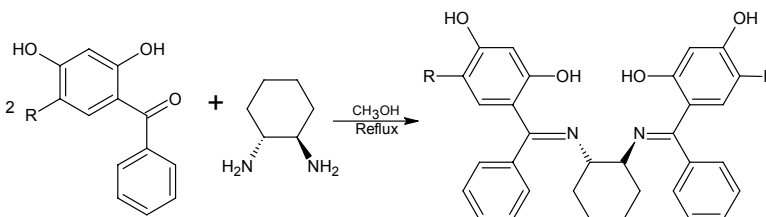


Key words: FTIR, edible oil, hydroperoxide, Eugenol methylether, antioxidant.

Rev. Roum. Chim., 2014, 59(1), 9-14

**Amit R. YAUL, Gaurav B. PETHE
and Anand S. ASWAR**

Synthesis, characterization and catalytic studies of some oxovanadium(IV) complexes of tetradentate Schiff base ligands

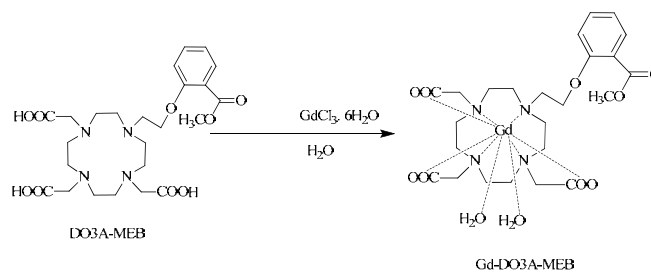


Key words: Schiff bases, vanadium complexes, thermal behaviour, EPR, styrene oxidation.

Rev. Roum. Chim., 2014, 59(1), 15-26

**Haroon UR RASHID, Khalid KHAN,
Muhammad YASEEN, Waseem HASSAN
and Muhammad NAVEED UMAR**

Synthesis and relaxivity measurement
of cyclen based magnetic resonance
imaging (MRI) contrast agent

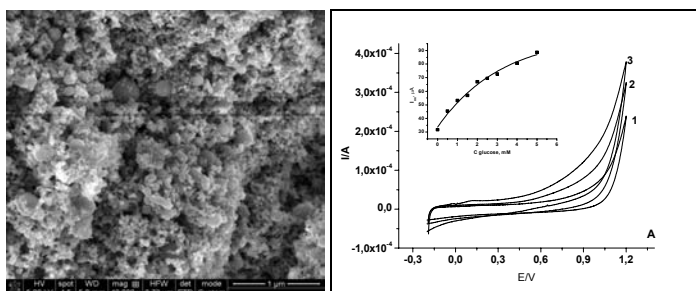


Rev. Roum. Chim., 2014, 59(1), 27-33

Key words: cyclen, relaxivity, contrast agent, synthesis, chelate.

**Florentina HUTANU, Maria MARCU
and Gheorghe GUTT**

Nanostructured GOD/TiO₂/SCPE electrode
for amperometric glucose biosensors

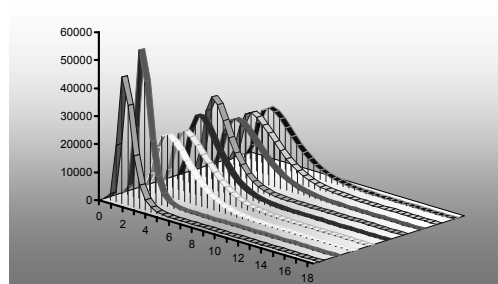


Rev. Roum. Chim., 2014, 59(1), 35-40

Key words: TiO₂, immobilization glucose oxidase, sensors.

**Aurelia Magdalena DIANU
and Mirela OLTEANU**

Tritium evaluation in graphite radioactive waste
by microwave acid digestion

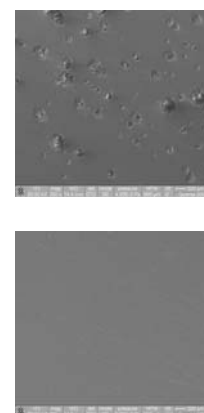
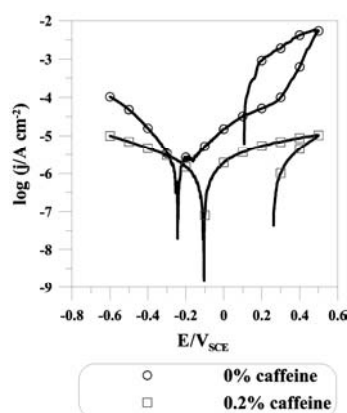


Rev. Roum. Chim., 2014, 59(1), 41-51

Key words: tritium recover, irradiated graphite, microwave acid digestion,
liquid scintillation counting.

**Georgiana BOLAT, Adrian CAILEAN,
Daniel SUTIMAN and Daniel MARECI**

Electrochemical behaviour of austenitic stainless
steel in 3.5 wt% NaCl solution in the presence of
caffeine environmental friendly corrosion inhibitor

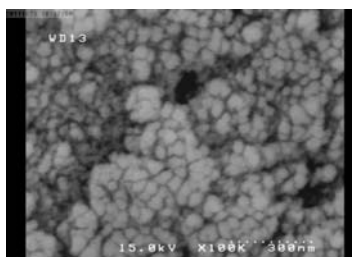


Rev. Roum. Chim., 2014, 59(1), 53-59

Key words: austenitic stainless steel, caffeine, EIS, SEM,
inhibition efficiency.

**Ali Reza KIASAT, Hossein ALMASI
and Seyyed Jafar SAGHANEZHAD**

One-pot synthesis of Hantzsch esters and polyhydroquinoline derivatives catalyzed by γ - Al_2O_3 -nanoparticles under solvent-free thermal conditions

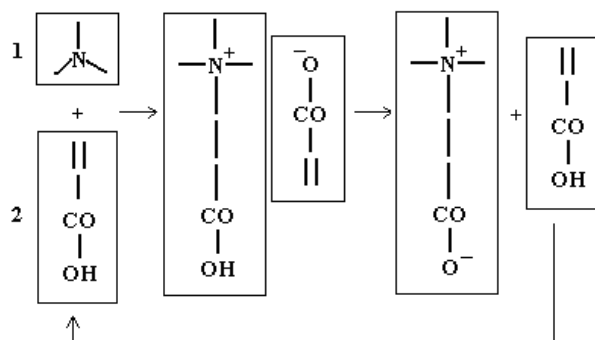


Key words: γ - Al_2O_3 nanoparticles, 1,4-dihydropyridines, polyhydroquinoline, heterogeneous catalyst, Hantzsch reaction, solvent-free.

Rev. Roum. Chim., 2014, 59(1), 61-66

**Gabriela Liliana AILIESEI
and Virgil BARBOIU**

A ^1H -NMR study of mechanism and kinetics on reactions of acrylic acid with pyridine imidazole compounds



Key words: ^1H -NMR, carboxybetaine synthesis, reaction mechanism, kinetics.

Rev. Roum. Chim., 2014, 59(1), 67-75

