

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

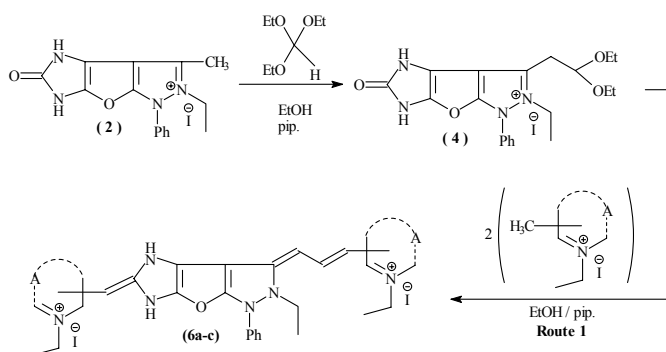
Tome 61, N° 3

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## PAPERS

Hassan Abazied SHINDY,  
Ali Kamel KHALAFALLAH,  
Maha Mubark GOMA and Afifi Hussein EED

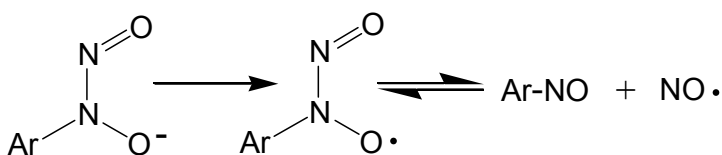
Polyheterocyclic compound in the synthesis and spectral studies of some novel methine cyanine dyes



**Key words:** cyanine dyes, spectral studies, synthesis, monomethine cyanine dyes, trimethine cyanine dyes, mixed methine cyanine dyes.

Lawrence L. GRIFFIN and  
Alexandru T. BALABAN

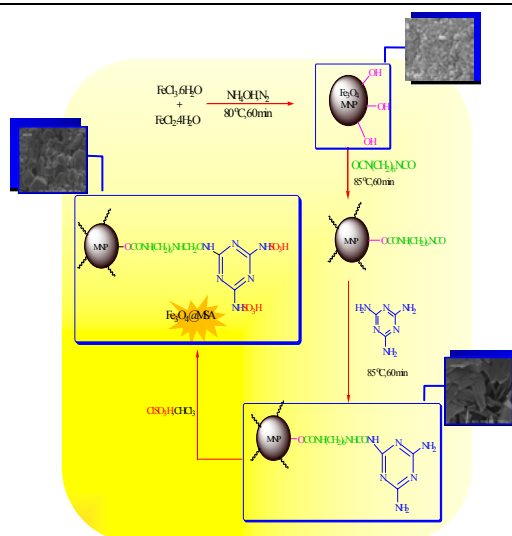
A DFT and MP2 study of trends in *para*-substituted aryldiazonium-diolate (cupferron) derivatives



**Key words:** density functional theory, Møller-Plesset-2, aryldiazonium-diolates, cupferron, N-Aryl-N-nitroso-nitroxides, nitric oxide.

Narges ABDOLLAHI, Ali Reza KIASAT and  
Seyyed Jafar SAGHANEZHAD

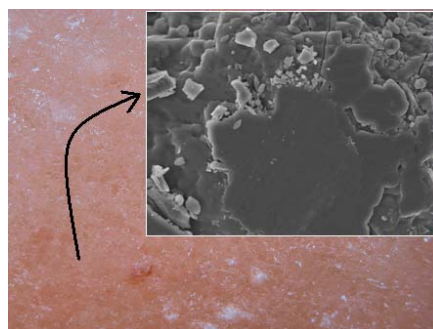
Synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub>@melamine sulfonic acid nanocomposite as a novel magnetically recyclable nano catalyst in one-pot preparation of 3, 4-dihydropyrimidinones/thiones



**Key words:** nano catalyst, magnetically recyclable, nanocomposite, biginelli reaction, dihydropyrimidin-2(1H)-ones.

**Zsigmond PAPP**

Morphological and microchemical characterization of Himalayan salt samples

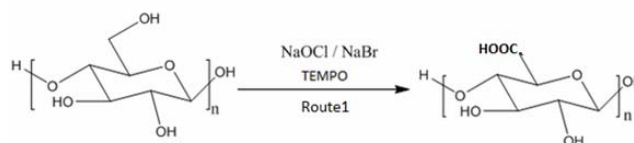


*Rev. Roum. Chim.*, 2016, 61(3), 169-174

**Key words:** Himalayan salt, scanning electron microscopy, energy dispersive spectrometry, surface analysis, microchemistry.

**Leila DADDI OUBEKKA,  
Nacer-Eddine DJELALI, Vincent CHALEIX  
and Vincent GLOAGUEN**

Adsorption of lead (II) and cadmium (II) on raw and modified date pits by TEMPO/NaBr/NaOCl as adsorbent

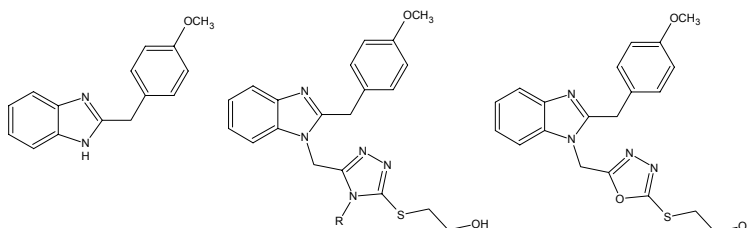


*Rev. Roum. Chim.*, 2016, 61(3), 175-185

**Key words:** date pits, heavy metals, adsorption, isotherms, chemical modification.

**Nesrin KARAALI and Emre MENTEŞE**

Synthesis and study of antitumor activity of some new 2-(4-methoxybenzyl)-1H-benzimidazole derivatives bearing triazole, oxadiazole and ethanol moiety

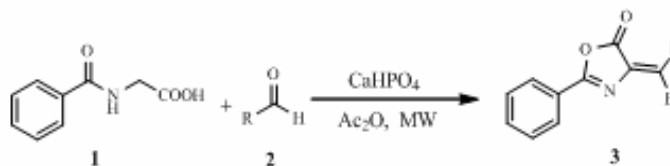


*Rev. Roum. Chim.*, 2016, 61(3), 187-192

**Key words:** benzimidazole, carbothioamide, 1,2,4-triazole, 1,3,4-oxadiazole, antitumor activity.

**Mohammad Ali BODAGHIFARD,  
Akbar MOBNIKHALEDI and  
Khosro MORADI**

Microwave-assisted efficient and mild synthesis of Azlactone derivatives

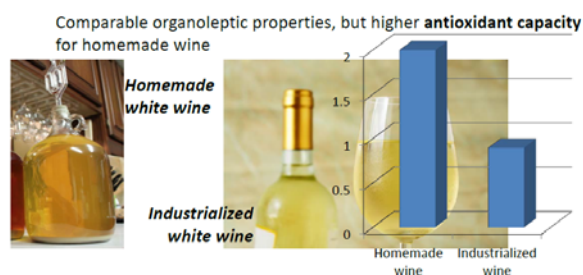


*Rev. Roum. Chim.*, 2016, 61(3), 193-197

**Key words:** green synthesis, Azlactone, calcium hydrogen phosphate, catalysis.

**Bogdan Nicolae MANOLESCU, Eliza OPREA,  
Maia BODOLICA and Cristian SIMION**

Is wine industrialization lowering natural qualities of white wines?



*Rev. Roum. Chim.*, 2016, 61(3), 199-203

**Key words:** antioxidant capacity, Folin-Ciocalteu, TEAC, traditionally-manufactured white wine, total phenol content.

**M. Emin GÜVEN, M. Salih AĞIRTAŞ,  
Sadin ÖZDEMİR and Abdurrahman DÜNDAR**

Synthesis, characterization, aggregation behavior,  
antioxidant activity, and antibacterial activity  
of metallophthalocyanines carrying four  
phthalonitriles group

