

# REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

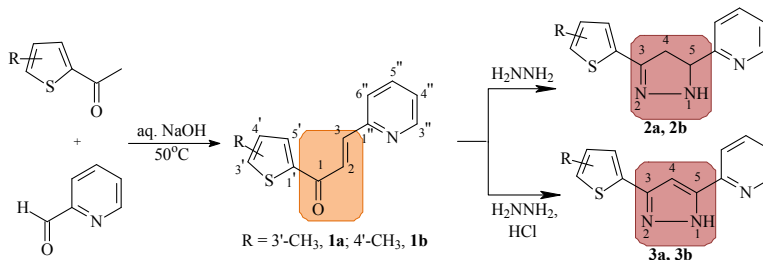
Tome 63, N° 12

Décembre 2018

## PAPERS

Asu USTA, Nimet BALTAŞ  
and Mahmut ÖZKAN

Synthesis of some novel pyrazoline and pyrazole derivatives as potential *in vitro* anti-xanthine oxidase and antioxidant activities

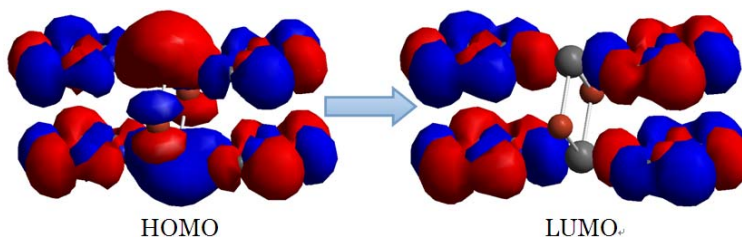


Rev. Roum. Chim., 2018, 63(12), 1097-1105

**Key words:** pyrazoline, pyrazole, anti-xanthine oxidase, antioxidant activities, CUPRAC.

Xiu-Guang YI, Jian-Gen HUANG,  
Wen-Tong CHEN, Yin-Feng WANG  
and Jian-Ping ZOU

Synthesis, structure, photoluminescence and theoretical study of a novel pyrazine complex

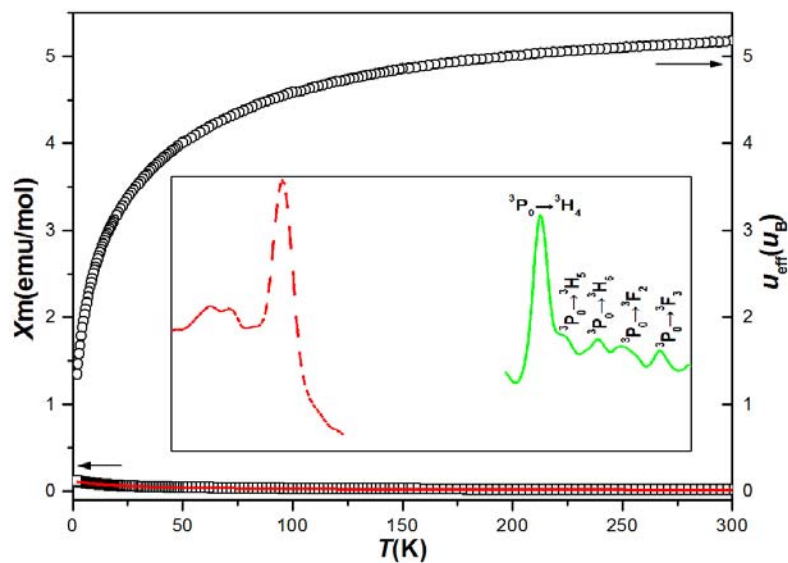


Rev. Roum. Chim., 2018, 63(12), 1107-1113

**Key words:** cadmium, crystal, photoluminescence, 2-pyrazine carboxylic acid, solvothermal.

Qiu-Yan LUO, Wen-Tong CHEN,  
Jian-Gen HUANG, Yin-Feng WANG  
and Ding-Wa ZHANG

Preparation, structure, photoluminescent, magnetic and semiconductive properties of a praseodymium complex with a two-dimensional motif

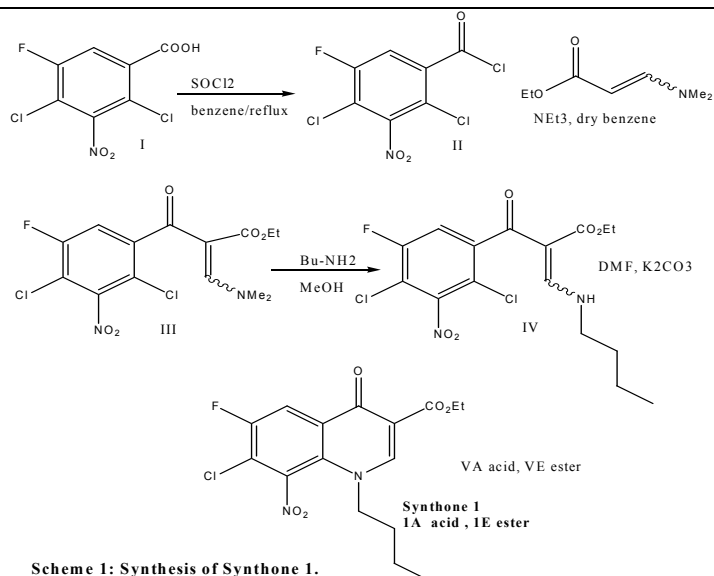


Rev. Roum. Chim., 2018, 63(12), 1115-1122

**Key words:** band gap, magnetism, photoluminescence, praseodymium, semiconductor.

**Yousef ALABSI, Yusuf AL-HIARI,  
Violet KASABRI, Shereen ARABIYAT,  
Rabab BASHITI, Sundos ALALAWI and  
Rula AL-SHAHRABI**

*In vitro* modulation of pancreatic lipase and proliferation of obesity related colorectal cancer cell line panel by novel synthetic fluoroquinolones

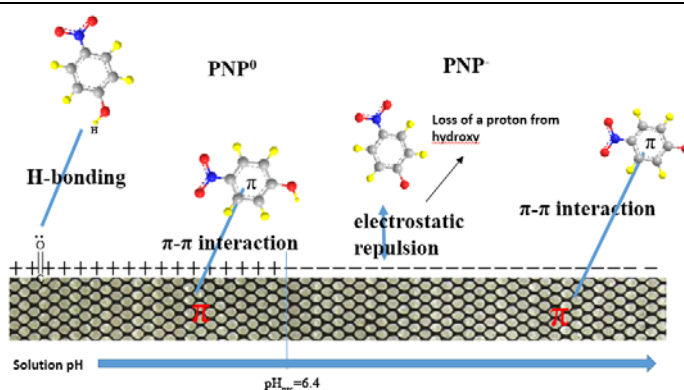


**Key words:** fluoroquinolones, pancreatic triacylglycerol lipase, orlistat, colorectal cancer, cisplatin.

*Rev. Roum. Chim.*, 2018, 63(12), 1123-1134

**Zhe ZHAO, Xiaofeng GOU, Shuqi FANG,  
Chun CHANG, Hongping LI and Xiuli HAN**

Adsorption of *p*-nitrophenol on activated carbon derived from the lignin of cellulosic ethanol by-product

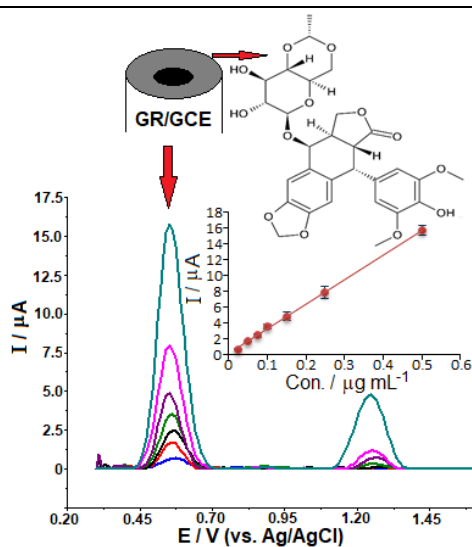


*Rev. Roum. Chim.*, 2018, 63(12), 1135-1147

**Key words:** adsorption, lignin, activated carbon, *p*-nitrophenol, mechanism.

**Pinar TALAY PINAR, Cafer SAKA  
and Yavuz YARDIM**

Electrochemical behavior of the antineoplastic agent etoposide at a graphene-based modified electrode: its square-wave adsorptive stripping voltammetric determination in the pharmaceutical formulations

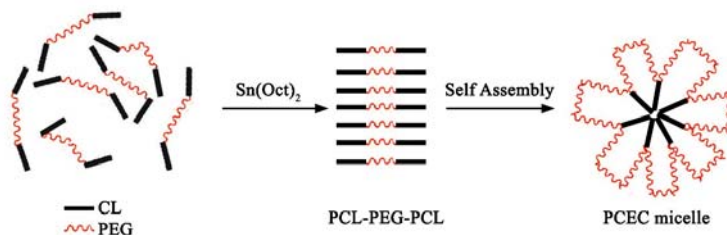


**Key words:** etoposide, square-wave adsorptive stripping voltammetry, graphene modified glassy carbon electrode, pharmaceutical formulations.

*Rev. Roum. Chim.*, 2018, 63(12), 1149-1156

**Özlem GÖKÇE KOCABAY  
and Osman İSMAIL**

Synthesis and characterization of poly( $\epsilon$ -caprolactone)–poly(ethylene glycol)–poly( $\epsilon$ -caprolactone) copolymers: Investigation of the effect of blocks on micellization

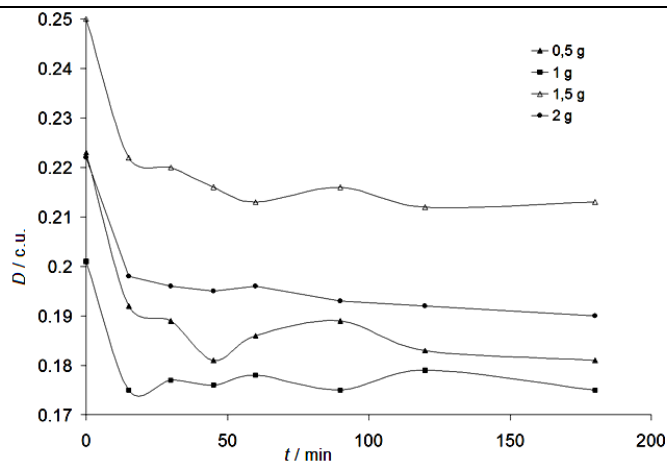


*Rev. Roum. Chim.*, 2018, 63(12), 1157-1167

**Key words:** biodegradable, PCL-PEG-PCL, critical micellization concentration, amphiphilic copolymer micelles.

**Igor WINKLER and Anna SAVIUC**

Diffusive and kinetics control control of the liquid phase adsorption of toluene on some graphite/clay compositions and pure graphite

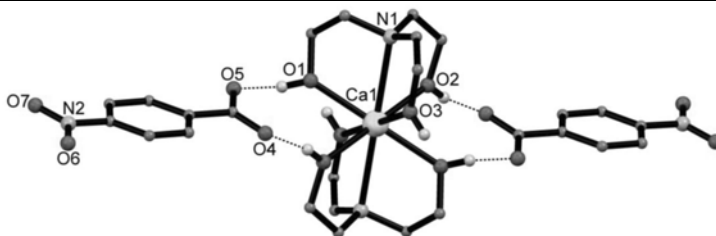


*Rev. Roum. Chim.*, 2018, 63(12), 1169-1174

**Key words:** adsorption kinetics of toluene, UV-photometry, adsorption limiting stage, aromatic pollutants of water.

**Anastasia GOROBET,  
Manuela CRISAN, Mihaela PETRIC,  
Pavlina BOUROSH and Lilia CROITOR**

Structural study of Ca(II) coordination compound with triethanolamine and 4-nitrobenzoic acid

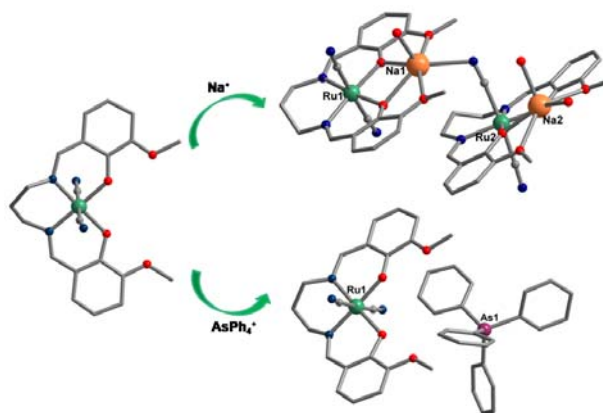


*Rev. Roum. Chim.*, 2018, 63(12), 1175-1179

**Key words:** calcium(II) complex, triethanolamine, 4-nitrobenzoic acid, AB<sub>2</sub>-type salt, X-ray study.

**Dragoş G. NEGREANU, Daniela C. CULIŢĂ,  
Cătălin MAXIM, Sergiu SHOVA,  
Gabriela MARINESCU and Marius ANDRUH**

Dicyanido Ru(III) complexes: Synthesis and crystal structures



*Rev. Roum. Chim.*, 2018, 63(12), 1181-1189

**Key words:** Schiff base ligands, ruthenium(III) complexes, dicyanidoruthenate systems, crystal structures.

---

Index of authors

*Rev. Roum. Chim.*, **2018**, 63(12), 1191-1202

---

Index of subjects

*Rev. Roum. Chim.*, **2018**, 63(12), 1203-1207

---