

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

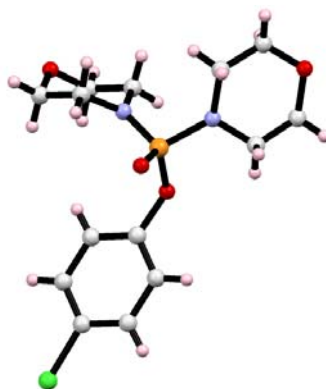
Tome 64, N° 3

Mars 2019

PAPERS

Samira NAZARI MOGHADDAM,
Akbar RAISSI SHABARI,
Fahimeh SABBAGHI and
Mehrdad POURAYOUBI

Synthesis, spectroscopic characterization, crystal structure and hirshfeld surface analysis of (4-Cl-C₆H₄O)(OC₄H₈N)₂PO amidophosphoester

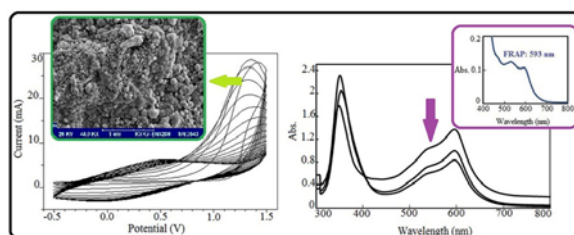


Doi: 10.33224/rch.2019.64.3.01
Rev. Roum. Chim., 2019, 64(3), 209-215

Key words: amidophosphoester, X-ray crystallography, Hirshfeld surface analysis, NMR.

Sara AMANZADEH-SALOUT,
Sayed Zoheir SAMIEI-KASHI and Ali PARSA

Antioxidant capacity measurement of aniline-pyrrole copolymer by FRAP assay

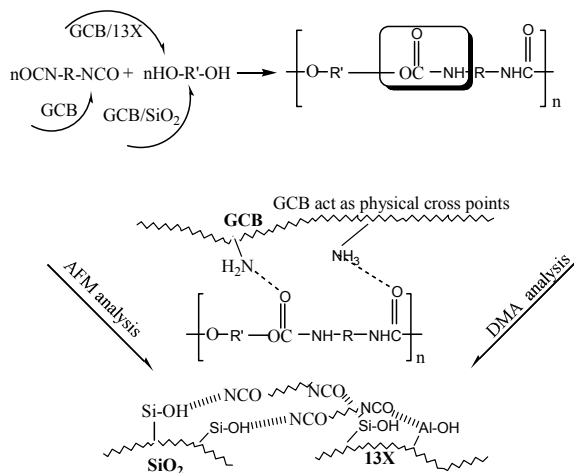


Doi: 10.33224/rch.2019.64.3.02
Rev. Roum. Chim., 2019, 64(3), 217-223

Key words: FRAP, copolymer, TPTZ, electrosynthesis, antioxidant activity.

Xiangqian FAN, Zhiping LV and Xiang ZU

Study on microphase separation of novel crosslinked polyurethane by AFM and DMA

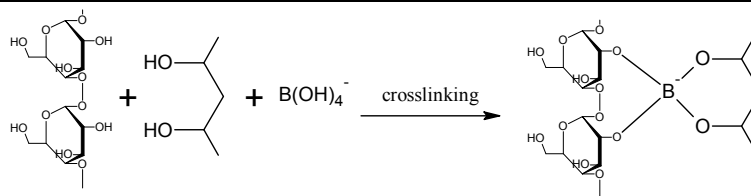


Doi: 10.33224/rch.2019.64.3.03
Rev. Roum. Chim., 2019, 64(3), 225-231

Key words: microphase separation, polyurethane composites, nanoparticles, atomic force microscopy (AFM), dynamic mechanical analysis (DMA).

Zain UI ABDEEN and Rehana SAEED

Ionic interactions in cross-linked poly(vinyl alcohol) hydrogel blended with starch



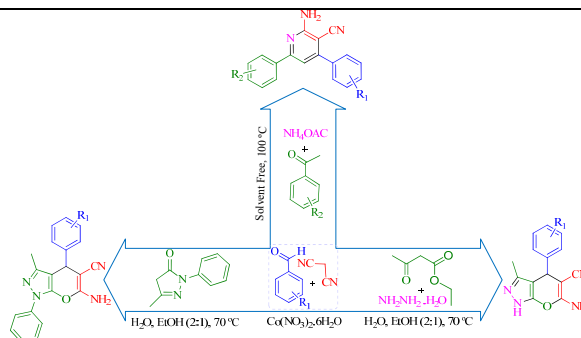
Doi: 10.33224/rch.2019.64.3.04

Rev. Roum. Chim., 2019, 64(3), 233-240

Key words: adsorption, hydrogel, isotherm, poly(vinyl alcohol), starch.

Hamed PEJMAN, Nourallah HAZERI, Maryam FATAHPOUR and Homayoun Faroughi NIYA

A concise route for the one-pot multi-component synthesis of 4,6-disubstituted 2-aminopyridine-3-carbonitriles and pyranopyrazoles using cobalt (II) nitrate hexahydrate as catalyst



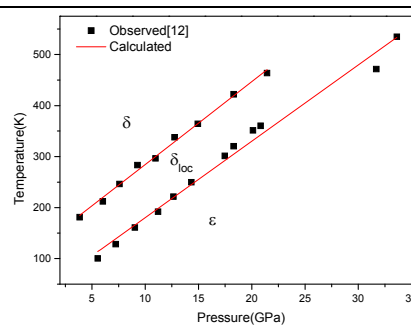
Doi: 10.33224/rch.2019.64.3.05

Rev. Roum. Chim., 2019, 64(3), 241-247

Key words: cobalt (II) nitrate hexahydrate, 2-aminopyridine-3-carbonitriles, pyranopyrazoles.

Hamit YURTSEVEN and Özge AKAY

Calculation of the phase diagrams for the fluid-solid and solid-solid (δ - δ_{loc} - ϵ) transitions in molecular nitrogen by using mean field model



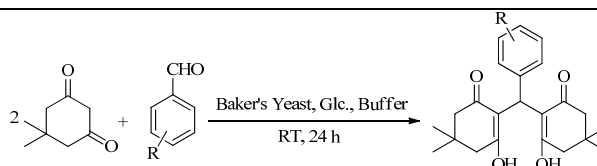
Doi: 10.33224/rch.2019.64.3.06

Rev. Roum. Chim., 2019, 64(3), 249-258

Key words: T-P phase diagram, mean field models, molecular nitrogen.

Jahanbakhsh ASHTARIAN, Reza HEYDARI, Malek-Taher MAGHSOODLOU and Afshin YAZDANI-ELAH-ABADI

An efficient synthesis of 2,2'-arylmethylene bis(3-hydroxy-5,5-dimethyl-2-cyclohexene-1-one) derivatives using baker's yeast



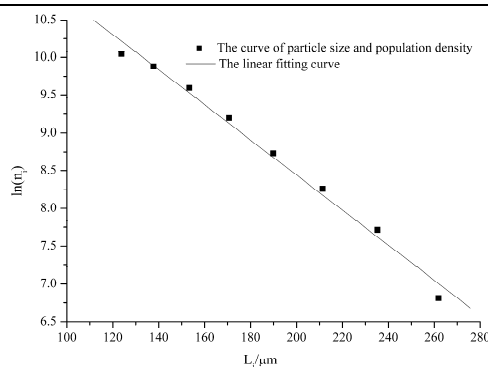
Doi: 10.33224/rch.2019.64.3.07

Rev. Roum. Chim., 2019, 64(3), 259-264

Key words: 2,2'-arylmethylene bis(3-hydroxy-5,5-dimethyl-2-cyclohexene-1-one) synthesis, knoevenagel condensation, environmentally friendly, *Saccharomyces cerevisiae* (baker's yeast), biocatalyst.

Kun ZHOU, Jia XIE, Kai YIN, Yue-Yong YAN and Ke WANG

Crystallization kinetics of evaporation rubidium chloride in the MSMPR crystallizer



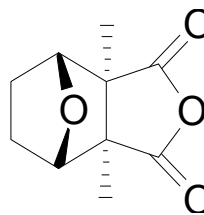
Doi: 10.33224/rch.2019.64.3.08

Rev. Roum. Chim., 2019, 64(3), 265-270

Key words: evaporation, crystallization, kinetics, rubidium chloride, nucleation rate, growth rate.

Chunbin TAN, Xiaoling LIU and Hongfei DU

The novel method to synthesis of Cantharidin intermediate

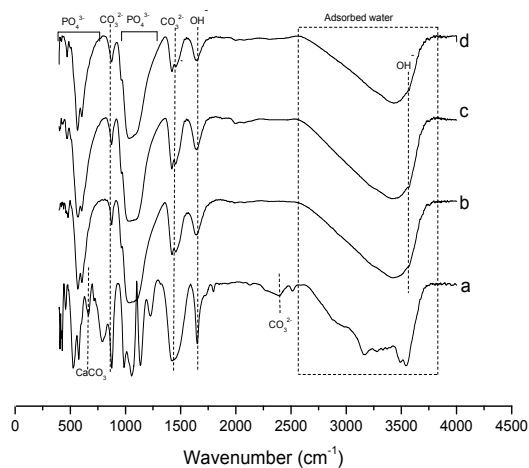


Doi: 10.33224/rch.2019.64.3.09
Rev. Roum. Chim., 2019, 64(3), 271-276

Key words: synthesis, Cantharidin, ionic-liquid, Diels-Alder reaction, 3-keto- 4-carbomethoxy-2,5-tetrahydrothiophene.

Hanane MAHROUG, Ali MANSRI and
 Fayçal DERGAL

The effect of calcium suspension concentration
 on the hydroxyapatite structures and purity



Doi: 1033224/rch.2019.64.3.10
Rev. Roum. Chim., 2019, 64(3), 277-286

Key words: hydroxyapatite, carbonate, calcium phosphate, suspension, dispersion.

