

REVUE ROUMAINE DE CHIMIE

(ROUMANIAN JOURNAL OF CHEMISTRY)

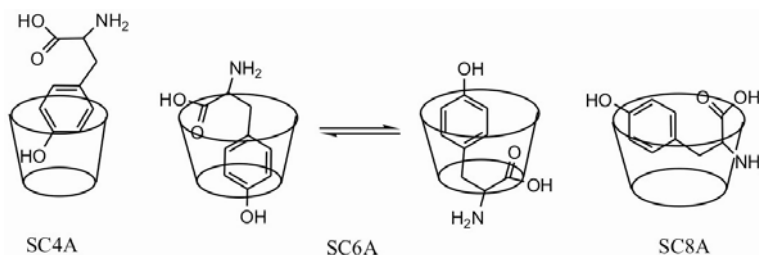
Tome 63, N° 2

Février 2018

PAPERS

Tao-Tao PANG and Xu-Yan ZHANG

Supramolecular interaction between *p*-sulfonated calixarenes with tyrosine

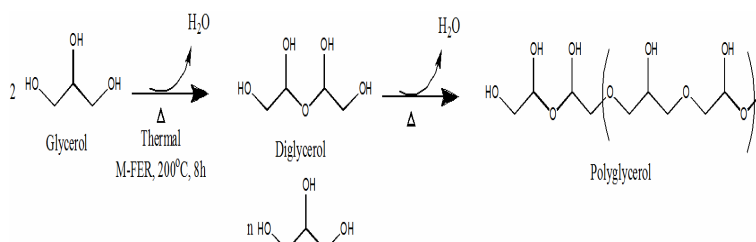


Key words: spectrofluorimetry, *p*-sulfonated calix[*n*]arene, tyrosine, ¹HNMR spectra, inclusion complexation.

Rev. Roum. Chim., 2018, 63(2), 87-93

Raheleh ZAFARI and Ali Nemati KHARAT

Evaluation of mesoporous modified ferrierite zeolite performance in production of diglycerol from glycerol

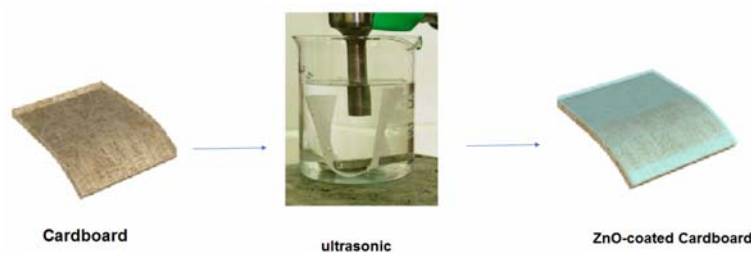


Key words: ferrierite zeolite, selective esterification of glycerol.

Rev. Roum. Chim., 2018, 63(2), 95-101

Hamid Reza GHORBANI

Coating of ZnO nanoparticles on cardboard for food packaging application

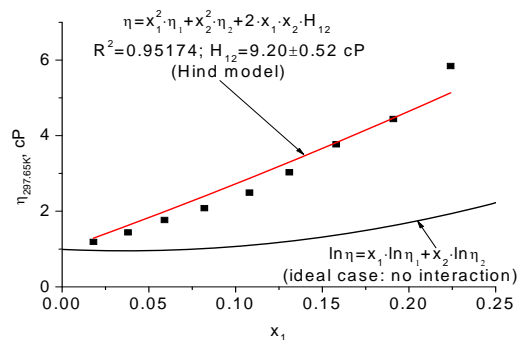


Key words: ZnO, nanoparticles, cardboard, coating.

Rev. Roum. Chim., 2018, 63(2), 103-106

Renu LOSHALI, Kiran PANDEY, Bhuwan CHANDRA and Narain D. KANDPAL

Effect of temperature on the interaction parameters of aqueous concentrated sulphuric acid

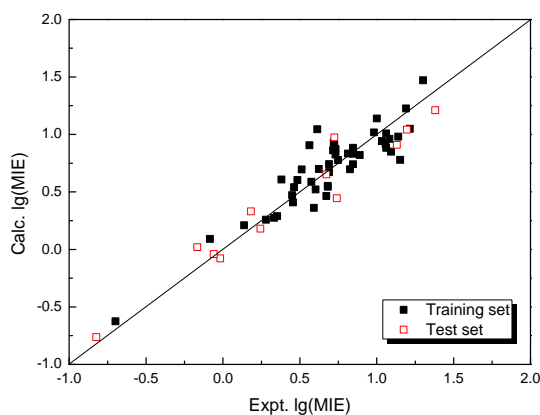


Rev. Roum. Chim., 2018, 63(2), 107-109

Key words: sulphuric acid, Grunberg- Nissan model, Hind model, salvation.

Shan LI, Chengzhuo WEI, Lingling FAN and Jie XU

Validated QSPR models for the prediction of minimum ignition energy

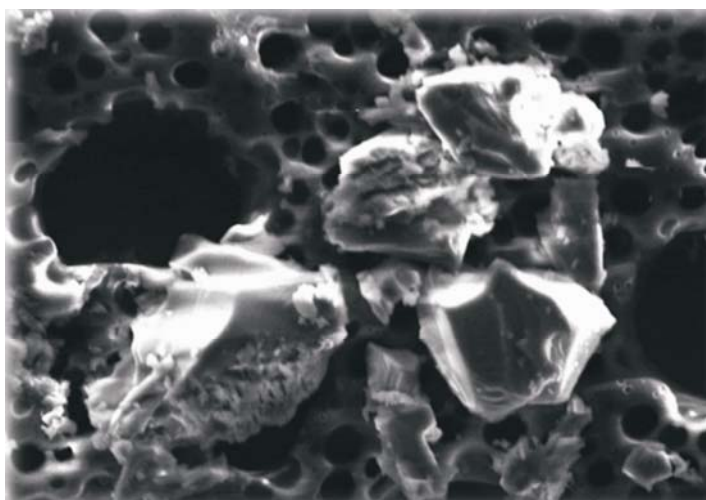


Key words: QSPR, minimum ignition energy, multiple linear regression, artificial neural network.

Rev. Roum. Chim., **2018**, 63(2), 111-121

Ouahiba BOURICHE, Brahim BOUZERFAFA, Hicham KOUADRI and Ouarda DJAOUT

The influence of titanium dioxide in the PVK matrix on anti-bacterial properties, electrical resistance and resistance to UV radiation

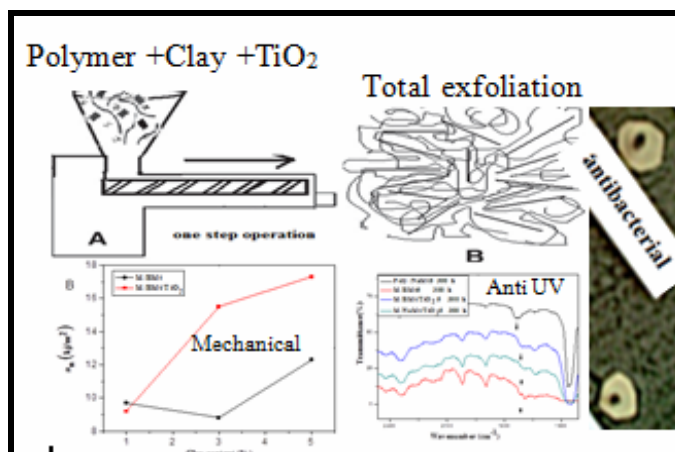


Key words: poly (N-vinylcarbazole), antibacterial activity, titanium dioxide (TiO₂), ultraviolet resistance, *Escherichia coli*, electrical resistance.

Rev. Roum. Chim., **2018**, 63(2), 123-132

Hicham KOUADRI, Ferhat DJERBOUA and Ouahiba BOURICHE

Structural characterization and antibacterial activity of PP/HDPE/Clay/TiO₂ nanocomposites prepared by reactive extrusion

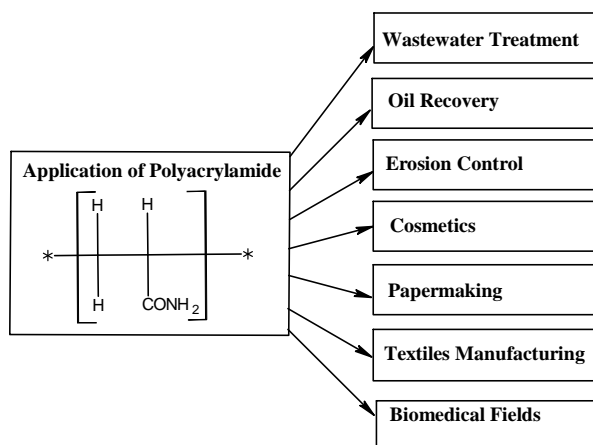


Key words: compatible blends, PP/HDPE, organo-montmorillonite, TiO₂, antimicrobial activity.

Rev. Roum. Chim., **2018**, 63(2), 133-142

Anamica and Poorn Prakash PANDE

Synthesis and applications of polyacrylamide

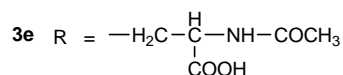
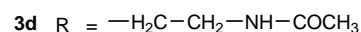
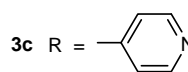
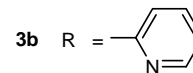
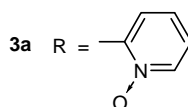
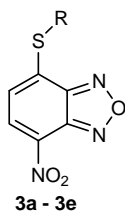


Rev. Roum. Chim., 2018, 63(2), 143-147

Key words: polyacrylamide, oil recovery, sewage water treatment, thickener.

Marioara BEM, Ana Cristina RADUTIU,
Mariana VOICESCU, Miron T. CAPROIU,
Constantin DRAGHICI, Maria MAGANU,
Cristian ENACHE, Titus CONSTANTINESCU
and Alexandru T. BALABAN

7-nitrobenzo[*c*][1,2,5]oxadiazole (nitrobenzofurazan)
derivatives with a sulfide group at the 4-position.
Synthesis and physical properties



Rev. Roum. Chim., 2018, 63(2), 149-155

Key words: nitrobenzofurazan sulfide derivatives, fluorescence, RP-TLC.