

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

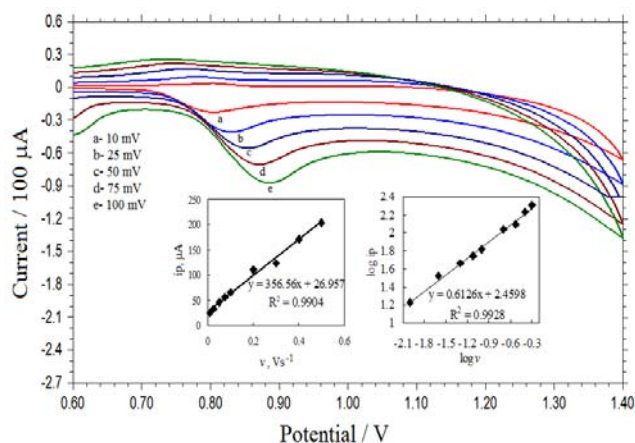
Tome 63, N° 11

Novembre 2018

PAPERS

Sevcan ERDEN and Zehra YAZAN

A new sepiolite clay/TiO₂/multiwall carbon nanotube modified carbon paste sensor for the adsorptive stripping square wave voltammetric analysis of vanillin in local food samples

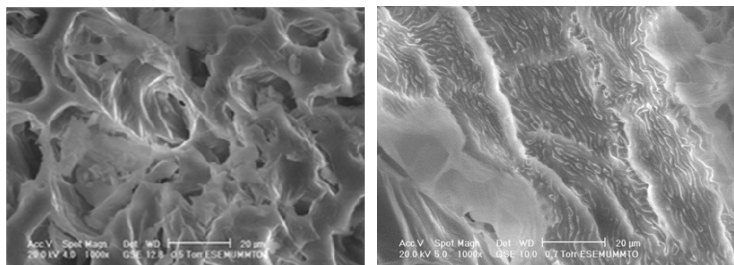


Rev. Roum. Chim., 2018, 63(11), 977-986

Key words: vanillin, sepiolite clay, TiO₂ nanoparticles, multiwall carbon nanotube, carbon paste electrode.

Kahina LARIBI

Removal of cationic dye onto globe artichoke leaves: equilibrium, kinetic and thermodynamic studies in batch mode

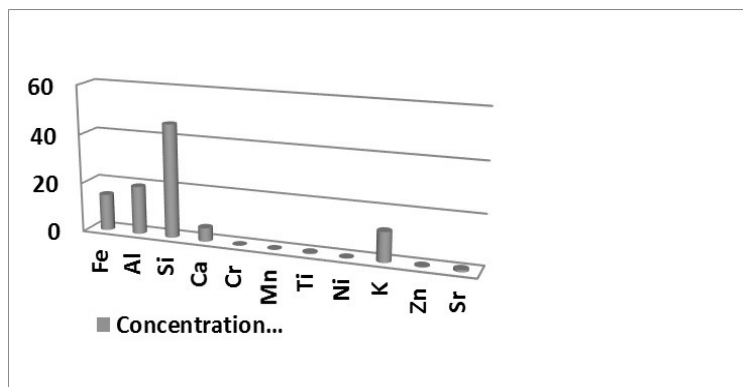


Rev. Roum. Chim., 2018, 63(11), 987-999

Key words: biosorption, isotherm, globe artichoke leaves, cationic dye, thermodynamic parameters.

Zheneta Kh. TASHMUKHAMBETOVA,
Yermek A. AUBAKIROV,
Larissa R. SASSYKOVA,
Kairat E. BURKHANBEKOV,
Maria F. FAIZULLAEVA and
Nurbubi K. ZHAKIROVA

Non-conventional methods of preparation of polymer waste to catalytic processing into the fuel

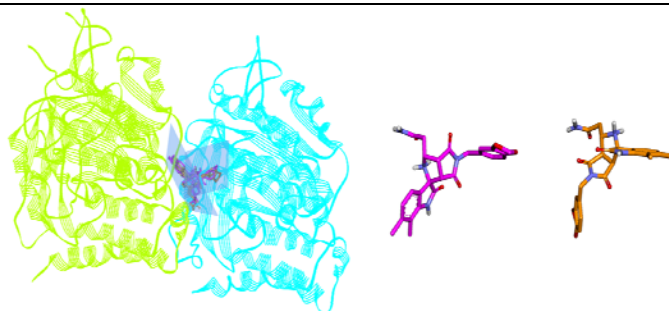


Rev. Roum. Chim., 2018, 63(11), 1001-1009

Key words: waste, rubber, plastic, hydrogenation, thermal catalysis, resource-saving.

Jana ŽELAZKOVÁ

In silico screening for colchicine site leads and insights into their binding modes

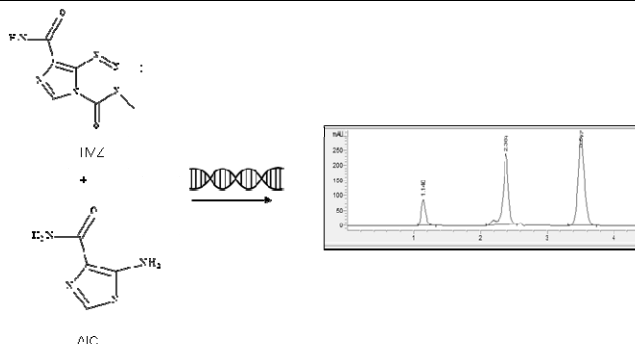


Rev. Roum. Chim., **2018**, 63(11), 1011-1021

Key words: virtual screening, AutoDock Vina, exhaustiveness parameter, tubulin, colchicine domain.

Evin KAPCAK and Hayriye Eda SATANA KARA

Evaluation of interaction between DNA and anticancer drug Temozolomide and its degradation product by HPLC

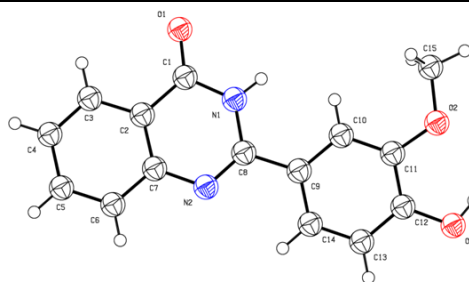


Rev. Roum. Chim., **2018**, 63(11), 1023-1034

Key words: degradation product, DNA-drug interaction, HPLC, spectrophotometry, Temozolomide.

Muhammad SARFRAZ, Nargis SULTANA and Muhammad I. TARIQ

Synthesis, *in silico* pharmacokinetic profile and anti-cholinesterase activity of quinazolin-4(3*H*)-one derivatives

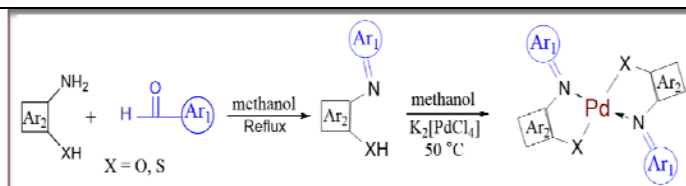


Rev. Roum. Chim., **2018**, 63(11), 1035-1041

Key words: Alzheimer's disease, AChE/BChE, dual inhibitors, quinazolin-4(3*H*)-one, *admetSAR*.

Uzma ALI, Syed Ahmed TIRMIZI, Muhammad Babar TAJ and Ahmad RAHEEL

Palladium(II) complexes based on Schiff base ligands: synthesis, characterization, DNA binding, anti-bacterial and anti- α -glucosidase activity

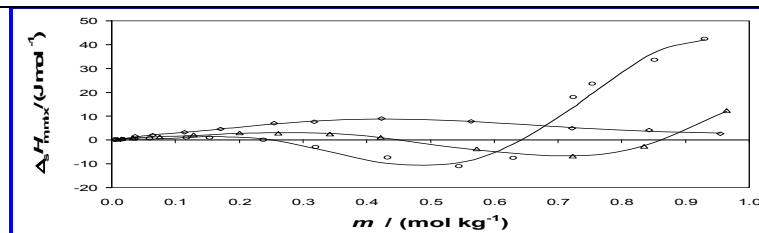


Rev. Roum. Chim., **2018**, 63(11), 1043-1051

Key words: Schiff base, Pd complexes, DNA binding, anti-bacterial, anti- α -glucosidase activity.

Mariana TEODORESCU and Vlad T. POPA

Solution, apparent and relative molar enthalpies for two model ionic liquid + water systems in the range of 303.15 – 318.15 K and of high dilution

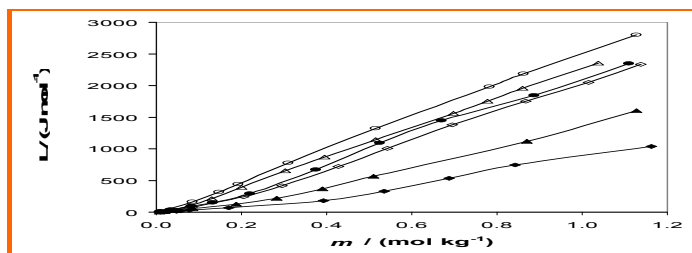


Rev. Roum. Chim., **2018**, 63(11), 1053-1067

Key words: 1-butyl-3-methylimidazolium bromide ([bmim]Br), 1-butyl-3-methylimidazolium chloride ([bmim]Cl), water, solution, apparent and relative molar enthalpies, infinite dilution.

Mariana TEODORESCU and Vlad T. POPA

Solution molar enthalpies for 1-butyl-3-methylimidazolium bromide and 1-butyl-3-methylimidazolium chloride + 1-butanol binary systems in the range of (303.15 – 318.15) K

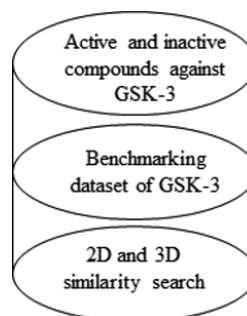


Key words: 1-butyl-3-methylimidazolium bromide ([bmim]Br) and chloride ([bmim]Cl), apparent and relative molar enthalpies, molar enthalpy of solution, Archer and Rard model, infinite dilution.

Rev. Roum. Chim., **2018**, 63(11), 1069-1081

Luminita CRISAN, Daniela VARGA, Sorin AVRAM and Liliana PACUREANU

Application of 2D and 3D similarity methods to GSK-3 benchmarking validation dataset including selective and nonselective inhibitors



Rev. Roum. Chim., **2018**, 63(11), 1083-1091

Key words: maleimide derivatives, 2D similarity search, 3D similarity search.

