

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

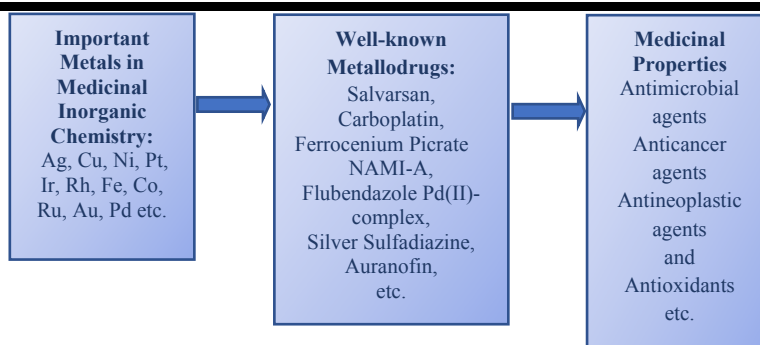
Tome 64, N° 1

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REVIEWS

Muhammad Imran DIN, Faisal ALI and Azeem INTISAR

Metal based drugs and chelating agents as therapeutic agents and their antimicrobial activity

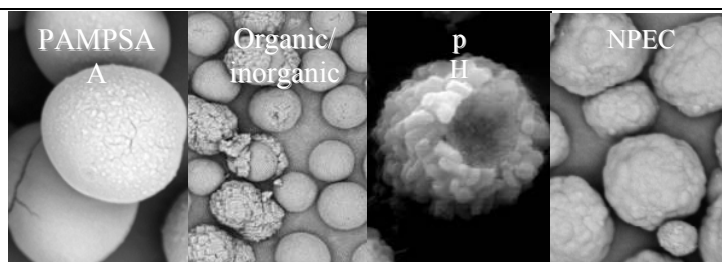


Doi: 10.33224/rch.2019.64.1.01
Rev. Roum. Chim., 2019, 64(1), 5-17

Key words: metal based drugs, flavonols therapeutic agents, antimicrobial activity, anticancer activity.

Marcela MIHAI and Bogdan C. SIMIONESCU

Calcium carbonate and poly(2-acrylamido-2-methylpropanesulfonic acid-co-acrylic acid)



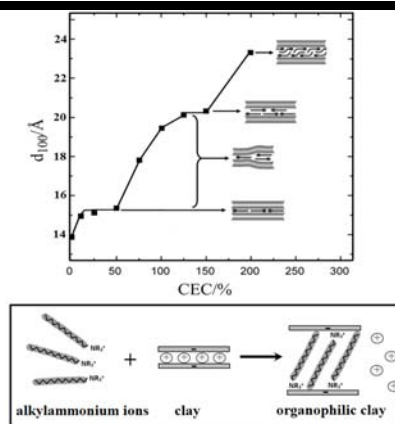
Doi: 10.33224/rch.2019.64.1.02
Rev. Roum. Chim., 2019, 64(1), 19-34

Key words: CaCO₃, composite microparticles, poly(2-acrylamido-2-methylpropanesulfonic acid-co-acrylic acid), organic/inorganic concentration, polyelectrolytes complexes.

PAPERS

Soufiane BOUDJEMAA

Structural and thermal decomposition of organo-montmorillonites (OMMT) studied by XRD, TGA and DSC: the role of surfactant agent concentration

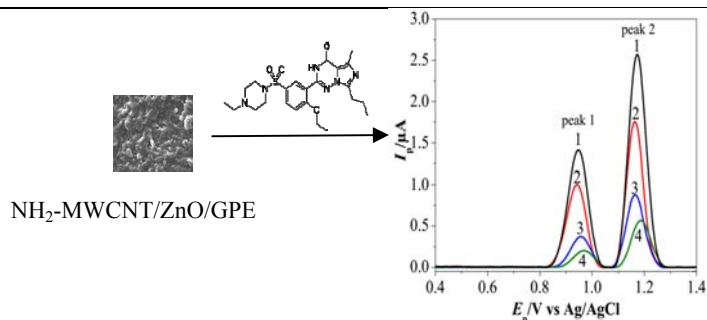


Doi: 10.33224/rch.2019.64.1.03
Rev. Roum. Chim., 2019, 64(1), 35-44

Key words: Montmorillonite, Cationic surfactant, Organo-montmorillonite, SEM, X-ray diffraction, Thermal stability, ATG, DSC.

Ersin DEMİR, Burcin BOZAL-PALABIYIK, Bengi USLU and Recai İNAM

Voltammetric determination of vardenafil on modified electrodes constructed by graphite, metal oxides and functionalized multi-walled carbon nanotubes

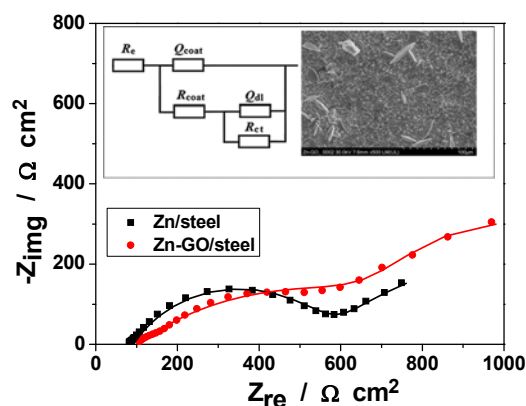


Doi: 10.33224/rch.2019.64.1.04
Rev. Roum. Chim., 2019, 64(1), 45-54

Key words: Vardenafil, voltammetry, determination, graphite, metal oxide, functionalized multi-walled carbon nanotubes.

Nicoleta COTOLAN, Liviu Cosmin COTET, Daniel MARCONI and Liana Maria MURESAN

Influence of graphene oxides produced by different processing techniques on the corrosion resistance of electrodeposited Zn-graphene composite coatings

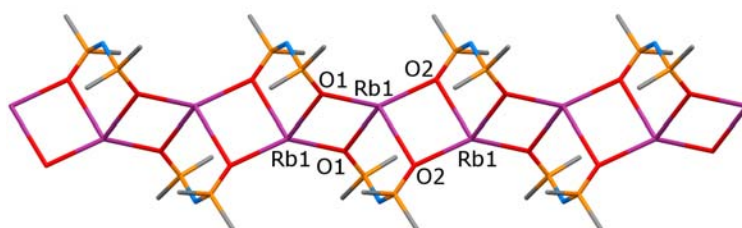


Doi: 10.33224/rch.2019.64.1.05
Rev. Roum. Chim., 2019, 64(1), 55-63

Key words: zinc electrodeposition, graphene oxide, composite coatings, corrosion.

Frank T. EDELMANN, Felix ENGELHARDT and Ionel HAIDUC

Molecular and crystal structures of three tetraphenyldichalogenoimido-diphosphinates, $M[\text{Ph}_2\text{P}(\text{O})\text{NP}(\text{O})\text{Ph}_2]$ ($M = \text{Rb}, \text{Cs}$) and $[\text{NMe}_4][\text{Ph}_2\text{P}(\text{S})\text{NP}(\text{S})\text{Ph}_2]$

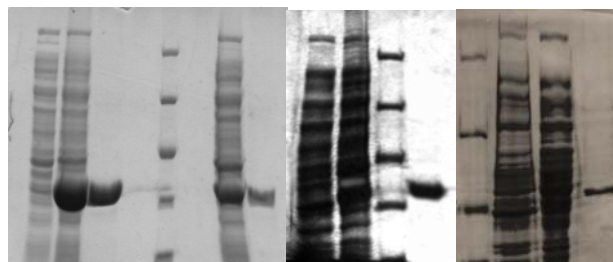


Doi: 10.33224/rch.2019.64.1.06
Rev. Roum. Chim., 2019, 64(1), 65-71

Key words: dichalogenoimidodiphosphinate, rubidium, cesium, coordination polymer, crystal structure.

Fulya OZ TUNCAI, Ahmet COLAK, Melike YILDIRIM AKATIN, Yakup KOLCUOGLU, Nagihan SAGLAM ERTUNGA and Cigdem DOKUZPARMAK

Site-directed mutagenesis and characterization of recombinant phosphotriesterase homology protein from *Geobacillus caldoxylosilyticus* TK4

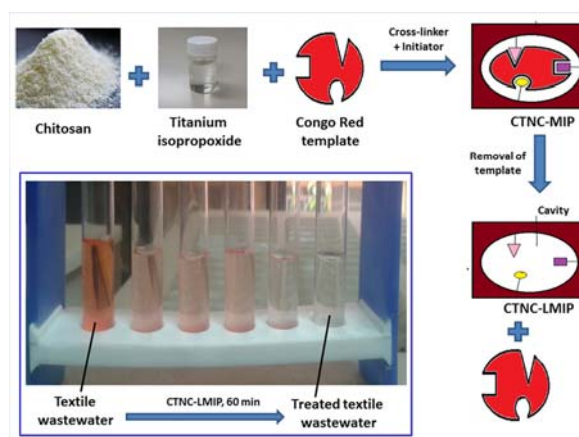


Doi: 10.33224/rch.2019.64.1.07
Rev. Roum. Chim., 2019, 64(1), 73-82

Key words: esterase, *Geobacillus*, phosphotriesterase homology protein, site-directed mutagenesis, thermophilic.

Ashraf A. MOHAMED, Mohamed A. AHMED and Nader M. ABDELBAR

A chitosan-TiO₂ imprinted polymer for the quantitative removal of Congo red dye from textile wastewaters

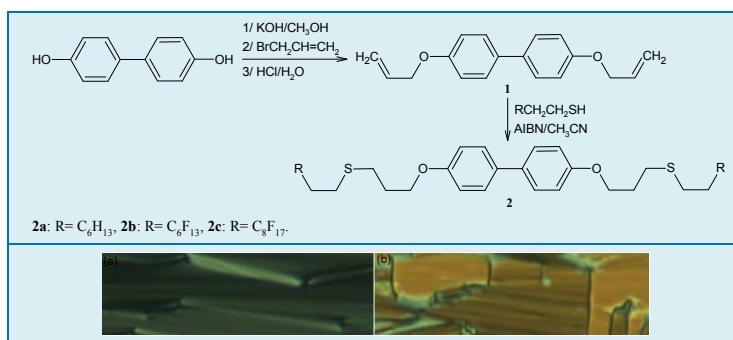


Doi: 10.33224/rch.2019.64.1.08
Rev. Roum. Chim., 2019, 64(1), 83-96

Key words: chitosan-TiO₂ nanocomposite, Congo red anionic dye, molecularly imprinted polymer, mesoporous structure, textile wastewater.

Ali KHALFALLAH and Ridha HAMDI

Synthesis and mesomorphic properties of 4,4'-bis[F-alkylethyl-3-thiopropoxy]biphenyl



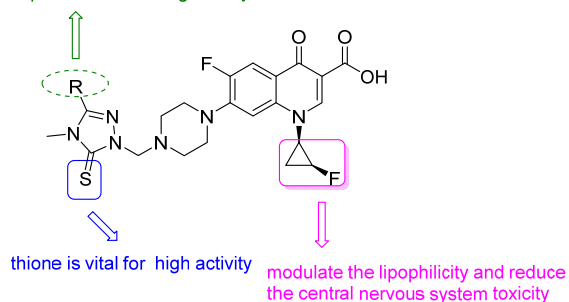
Doi: 10.33224/rch.2019.64.1.09
Rev. Roum. Chim., 2019, 64(1), 97-100

Key words: biphenyl, fluorinated, liquid crystal, smectic.

Yun-He GENG, Zeng-Quan WEI, Zhi XU, Lu-Xin NA, Shu ZHANG, Hui-Yuan GUO, Ming-Liang LIU, Lian-Shun FENG and Xue-Fu YOU

Design, synthesis and antibacterial evaluation of 1-[(1R, 2S)-2-fluorocyclopropyl]ciprofloxacin-(4-methyl-3-aryl)-1,2,4-triazole-5(4H)-thione hybrids

phenyl ring is indispensable for strong activity



Doi: 10.33224/rch.2019.64.1.10
Rev. Roum. Chim., 2019, 64(1), 101-107

Key words: quinolone, ciprofloxacin, 1,2,4-triazole-5(4H)-thione, hybrids, antibacterial, structure-activity relationship.

