

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

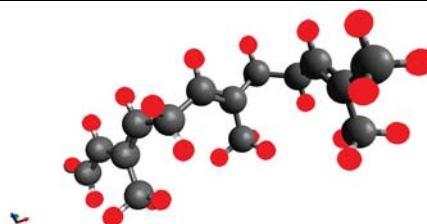
Tome 66, N° 4

Avril 2021

PAPERS

Alexandru TEPELUS,
Raluca Elena DRAGOMIR and Paul ROSCA

Biojet from sugar derivatives

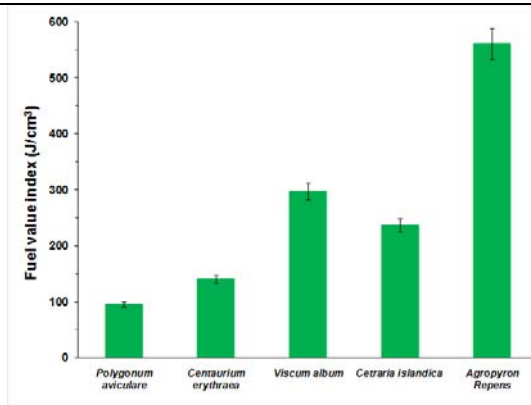


DOI: 10.33224/rch.2021.66.4.01
Rev. Roum. Chim., 2021, 66(4), 313-320

Key words: biojet, farnesene, hydrotreating, catalyst.

Ana NEACSU and Daniela GHEORGHE

Characterization of biomass renewable energy resources from some perennial species

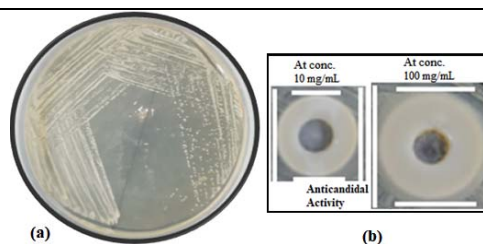


DOI: 10.33224/rch.2021.66.4.02
Rev. Roum. Chim., 2021, 66(4), 321-329

Key words: biomass, energy supplies, calorific power, fuel value index.

Purnima NAG and Deepankar SHARMA

Synthesis, characterization and antifungal evaluation of some novel Mo(VI) complexes

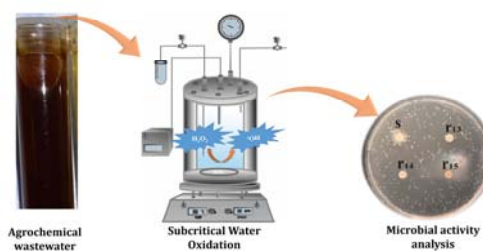


DOI: 10.33224/rch.2021.66.4.03
Rev. Roum. Chim., 2021, 66(4), 331-337

Key words: tetrachlorooxomolybdenum, dichlorooxomolybdenum(VI) complexes, anticandidal study.

Erdal YABALAK and
Elif Ayşe ERDOĞAN ELIUZ

Investigation of growth kinetics of some pathogenic bacteria in agrochemical wastewater treated by subcritical water oxidation method

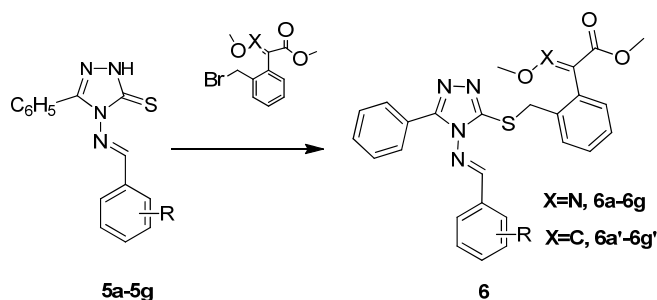


DOI: 10.33224/rch.2021.66.4.04
Rev. Roum. Chim., 2021, 66(4), 339-345

Key words: degradation, hazardous waste, RSM, subcritical water, microbial activity.

Xian-You WANG, Zhao-Xi Zhou, Xin LIU, Jia-Yan ZHENG, Yan-Ping PANG, Wei WANG, Xin ZHAO and Guang-Chen WU

Synthesis and biological activities of some novel strobilurin derivatives containing 1, 2, 4-triazole moiety

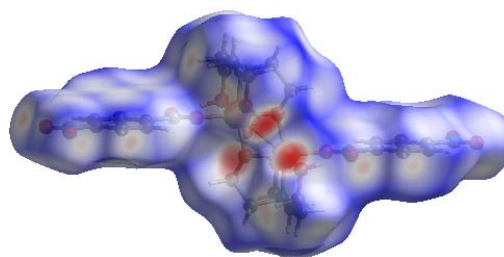


DOI: 10.33224/rch.2021.66.4.05
Rev. Roum. Chim., **2021**, 66(4), 347-353

Key words: 1, 2, 4-triazole Schiff base, synthesis, strobilurin derivatives, antifungal activity.

Anastasia GOROBET, Manuela E. CRISAN, Paulina N. BOUROSH and Lilia CROITOR

Structural investigation and Hirshfeld surface analysis of Cu(II) triethanolamine 4-nitrobenzoate

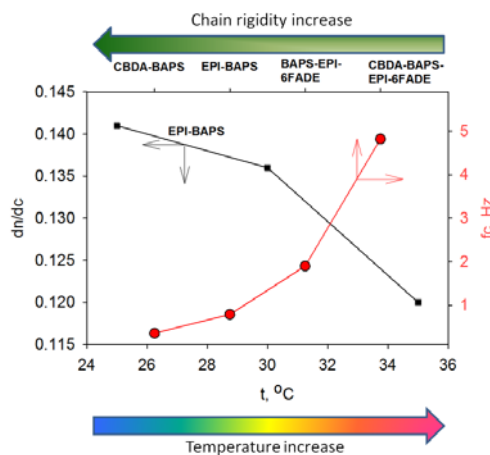


DOI: 10.33224/rch.2021.66.4.06
Rev. Roum. Chim., **2021**, 66(4), 355-359

Key words: Cu(II) coordination compound, triethanolammonium 4-nitrobenzoate, crystal structure, intermolecular interactions, Hirshfeld surface analysis.

Andreea Irina BARZIC, Raluca Marinica ALBU and Camelia HULUBEI

Polyimides containing chalcogen atoms in solution phase: viscoelasticity and interferometry analyses

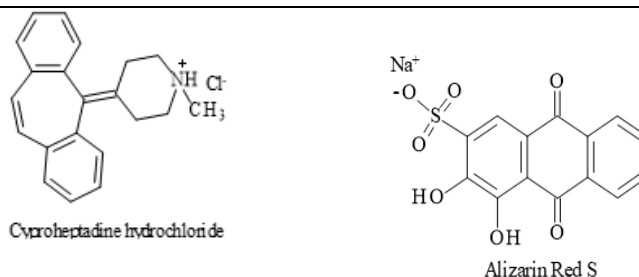


DOI: 10.33224/rch.2021.66.4.07
Rev. Roum. Chim., **2021**, 66(4), 361-366

Key words: polyimides, flexibility, specific refractive index increment, viscoelasticity.

Ioana Clementina CONSTANTINESCU, Angela NEDELICU, Marinela FLOREA, Andreea Alexandra IONESCU and Corina Cristina ARAMĂ

Extractive spectrophotometric methods for the assay of cyproheptadine hydrochloride using alizarin red S

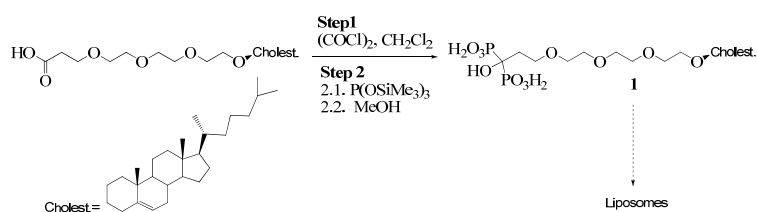


DOI: 10.33224/rch.2021.66.4.08
Rev. Roum. Chim., **2021**, 65(4), 367-373

Key words: cyproheptadine hydrochloride, spectrophotometry, ion pair, alizarin red S.

Simona Cristina RIZEA, Cătălina IONESCU,
 Andreea PÎRVU,
 Véronique BARRAGAN-MONTERO,
 Johny NEAMȚU

Synthesis of a hydroxybisphosphonic-derived
 amphiphilic compound

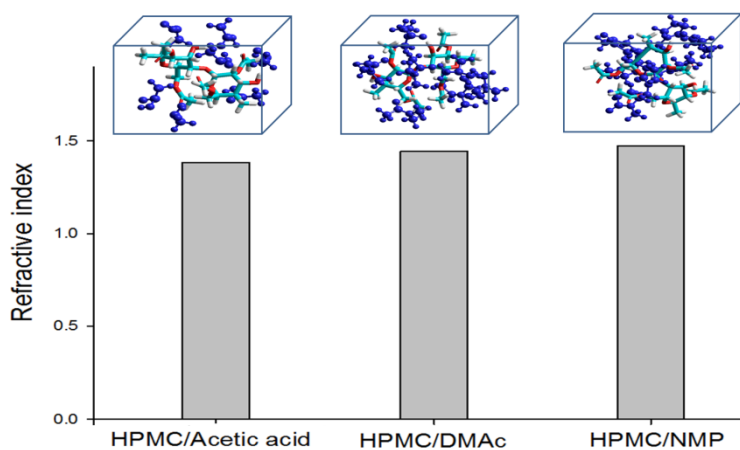


DOI: 10.33224/rch.2021.66.4.09
Rev. Roum. Chim., 2021, 66(4), 375-380

Key words: liposomes, hydroxyapatite, hydroxybisphosphonic acid,
 amphiphilic compound.

Raluca Marinica ALBU,
 Luminita Ioana BURUIANA,
 Simona Luminita NICA and
 Andreea Irina BARZIC

Molecular modeling, spectral and optical properties
 of HPMC in different solvents



DOI: 10.33224/rch.2021.66.4.10
Rev. Roum. Chim., 2021, 66(4), 381-385

Key words: cellulose derivative, molecular modeling, UV-VIS spectroscopy,
 refractive index.

