

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

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PAPERS

Siyamak SHAHAB, Liudmila FILIPPOVICH,
Masoom SHEIKHI, Maria AHARODNIKOVA
and Rakesh KUMAR

Spectroscopic and thermophysical investigations
of new synthesized azo dye and its application
in polarizing film

DOI: 10.33224/rch.2019.64.7.01
Rev. Roum. Chim., 2019, 64(7), 551-559



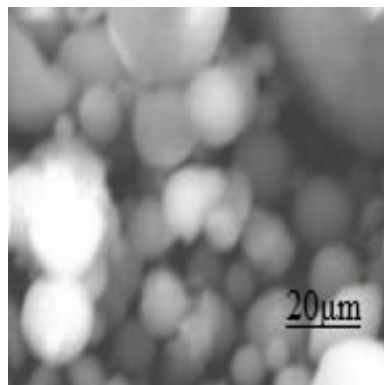
Key words: polarizer film, dichroic dye, thermal conductivity, polarization efficiency.

Larissa SASSYKOVA, Ulzhan OTZHAN and
Anargul KURMANSITOVA

Investigation of selective hydrogenation of
aromatic nitrocompounds and hydrocarbons

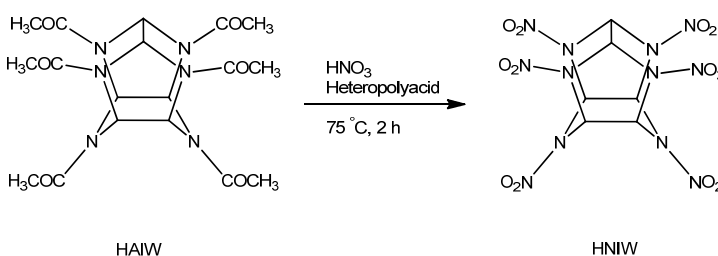
DOI: 10.33224/rch.2019.64.7.02
Rev. Roum. Chim., 2019, 64(7), 561-567

Key words: catalyst, aromatic nitro compounds, aromatic hydrocarbons, hydrogenation.



Ali RAMAZANI, Vahid AZIZKHANI and
Sang Woo JOO

Heteropolyacids: as efficient catalysts for the
nitration of 2,4,6,8,10,12-hexaacetyl-2,4,6,8,10,12-
hexaazaisowurtzitane

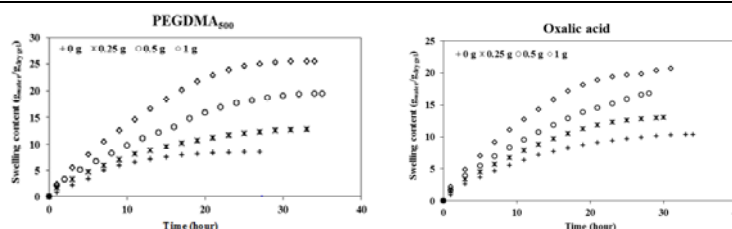


DOI: 10.33224/rch.2019.64.7.03
Rev. Roum. Chim., 2019, 64(7), 569-575

Key words: CL-20, heteropolyacids, clean nitrating agents, nitration, HAIW.

Osman ISMAIL

Modelling of AAm-co-alginate hydrogels swelling
kinetics

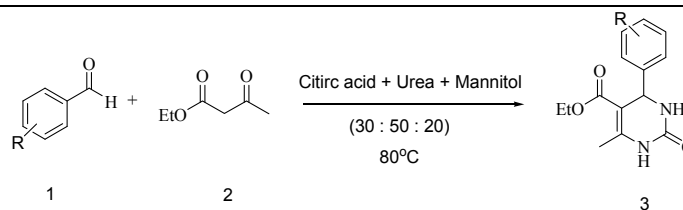


DOI: 10.33224/rch.2019.64.7.04
Rev. Roum. Chim., 2019, 64(7), 577-583

Key words: acrylamide, alginate, hydrogel, swelling, modelling.

Hitesh MAHAJAN, Babita JAMWAL and Satya PAUL

Biginelli reaction *via bis-ureide* intermediate in low melting mixture

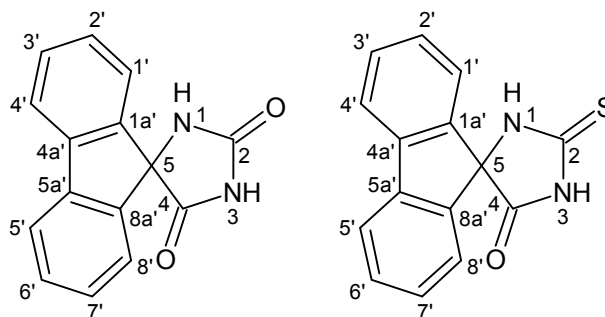


DOI: 10.33224/rch.2019.64.7.05
Rev. Roum. Chim., 2019, 64(7), 585-593

Key words: Biginelli reaction, reaction mechanism, bis-ureide intermediate, one-pot synthesis, low melting mixture.

Petja MARINOVA, Marin MARINOV, Danail GEORGIEV, Maria BECHEVA, Plamen PENCHEV and Neyko STOYANOV

Synthesis and antimicrobial study of new Pt(IV) and Ru(III) complexes of fluorenylspirohydantoin

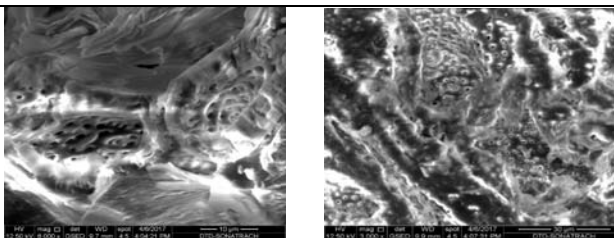


DOI: 10.33224/rch.2019.64.7.06
Rev. Roum. Chim., 2019, 64(7), 595-601

Key words: (9'-fluorene)-spiro-5-hydantoin, (9'-fluorene)-spiro-5-(2-thiohydantoin), complex, antimicrobial effect.

Fariza KHEMMARI and Khaled BENRACHEDI

Peach stones valorized to high efficient biosorbent for hexavalent chromium removal from aqueous solution: adsorption kinetics, equilibrium and thermodynamic studies

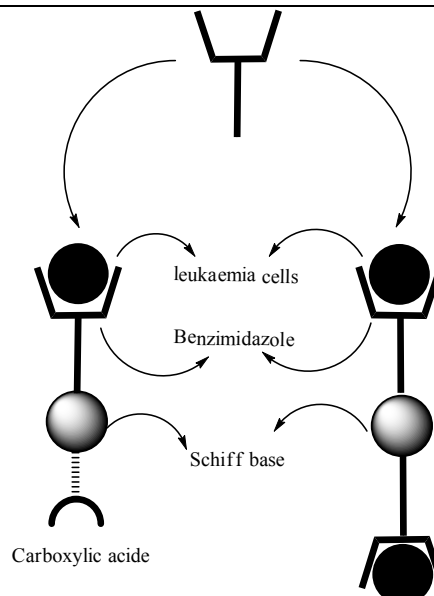


DOI: 10.33224/rch.2019.64.7.07
Rev. Roum. Chim., 2019, 64(7), 603-613

Key words: raw peach stones, hexavalent chromium, biosorption, desorption, kinetics.

Seyma CELIKBILEK CELIK, Husamettin VATANSEV and Ziya Erdem KOC

Benzimidazole Schiff bases microwave assisted synthesis and the effect on leukemia cells with flow cytometry

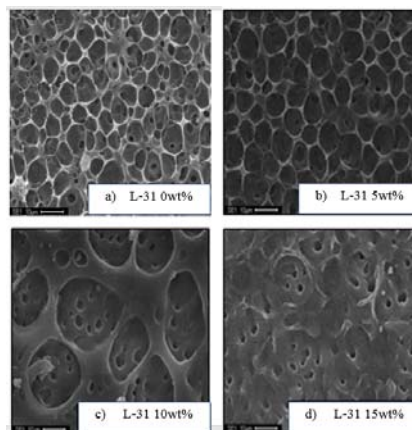


DOI: 10.33224/rch.2019.64.7.08
Rev. Roum. Chim., 2019, 64(7), 615-623

Key words: benzimidazole, Schiff base, cytotoxicity, flow cytometry, blastic cells.

**Farzana AHMAD, Kim EUN JEE,
Muhammad JAMIL and Young JAE JEON**

Pluronic polymer crosslinked with thiolene
in polymer dispersed liquid crystal films

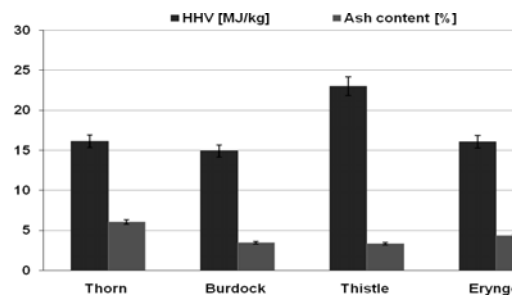


DOI: 10.33224/rrch.2019.64.7.09
Rev. Roum. Chim., 2019, 64(7), 625-631

Key words: Pluronic polymer, thiol-ene monomer, electro-optical properties, PIPS method, SEM.

Daniela GHEORGHE and Ana NEACSU

Heat of some plant biomass species for biofuels
production



DOI: 10.33224/rrch.2019.64.7.10
Rev. Roum. Chim., 2019, 64(7), 633-639

Key words: biomass, combustion, heating value, biofuel, pellets.

