

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

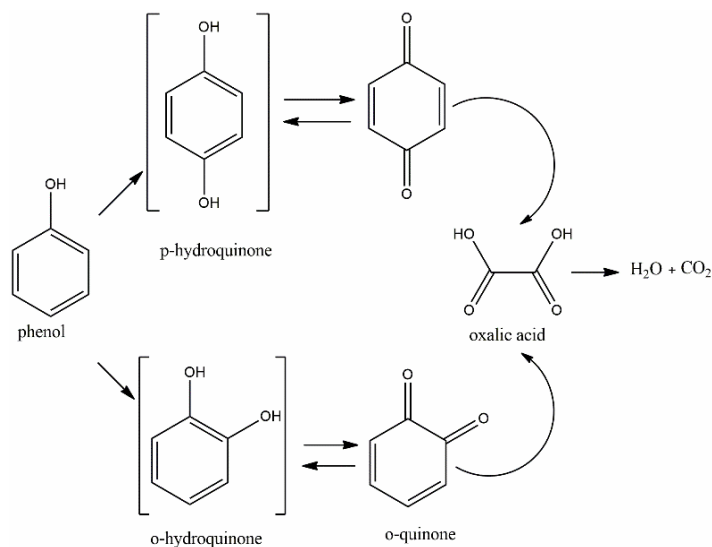
Tome 65, N° 4

Avril 2020

REVIEW

Milica MATIJEVIĆ, Maja N. STANKOVIĆ,
Nenad S. KRSTIĆ, Milica G. NIKOLIĆ,
Danijela A. KOSTIĆ

Application of oxidation processes in the purification of wastewaters from phenolic compounds



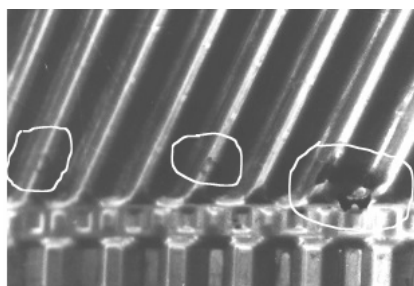
DOI: 10.33224/rch.2020.65.4.01
Rev. Roum. Chim., 2020, 65(4), 313-327

Key words: phenolic compounds, oxidation process, waste water treatment.

PAPERS

Nicolae SOLOMON and Iulia SOLOMON

Injection molded part material failure analysis

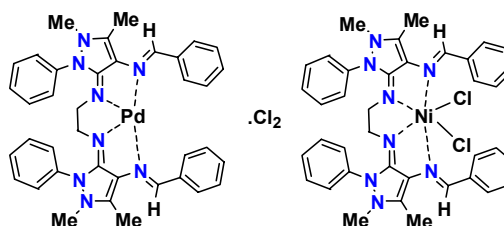


DOI: 10.33224/rch.2020.65.4.02
Rev. Roum. Chim., 2020, 65(4), 329-341

Key words: warpage, crack, thermal analysis, torque, infrared analysis.

Khuloud A. ALIBRAHIM,
Foziah F. AL-FAWZAN and
Moamen S. REFAT

Synthesize palladium and nickel oxide nanoparticles in the presence of 4-aminoantipyrene derivative as a precursor: decolorization efficiency of methylene blue

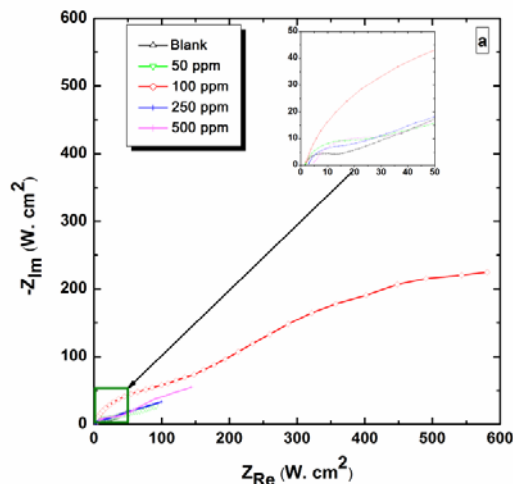


DOI: 10.33224/rch.2020.65.4.03
Rev. Roum. Chim., 2020, 65(4), 343-352

Key words: Schiff base, 4-aminoantipyrene, methylene blue, decolorization, nickel oxide, palladium oxide, NPs.

Imen ABIDLI, Nebil SOUSSI and X. Ramón NÓVOA

Corrosion inhibition of steel by Prickly Pear: extraction, characterization and electrochemical studies

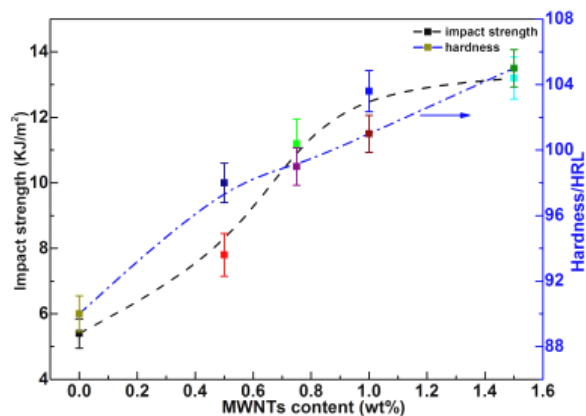


DOI: 10.33224/rch.2020.65.4.04
Rev. Roum. Chim., 2020, 65(4), 353-360

Key words: steel, barrier properties, mechanical properties, EIS, surface analysis.

Fang HUANG, Fuqan GUO and Guoqin LIU

Thermal and mechanical properties of P(MMA-co-BMA)/MWNTs nanocomposites

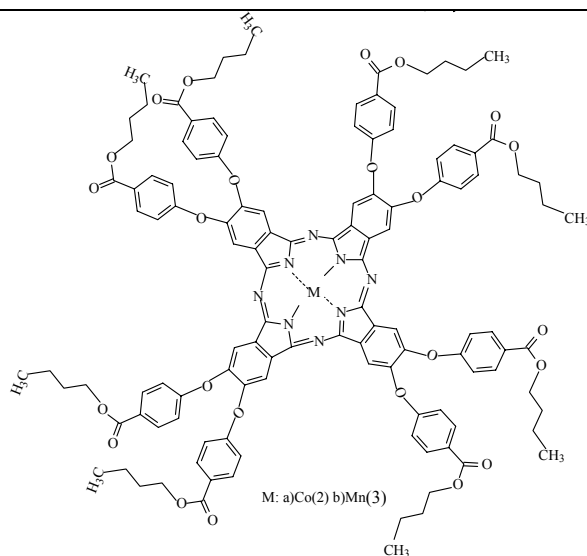


DOI: 10.33224/rch.2020.65.4.05
Rev. Roum. Chim., 2020, 65(4), 361-366

Key words: P(MMA-co-BMA)/MWNTs; nanocomposites; thermal and mechanical properties.

Meltem B. SAGLAM

Octa-substituted Co(II) and Mn(II) phthalocyanines containing butyl-4-hydroxybenzoate groups: Synthesis, characterization, aggregation, and investigation of their anti-microbial and anti-fungal activity properties

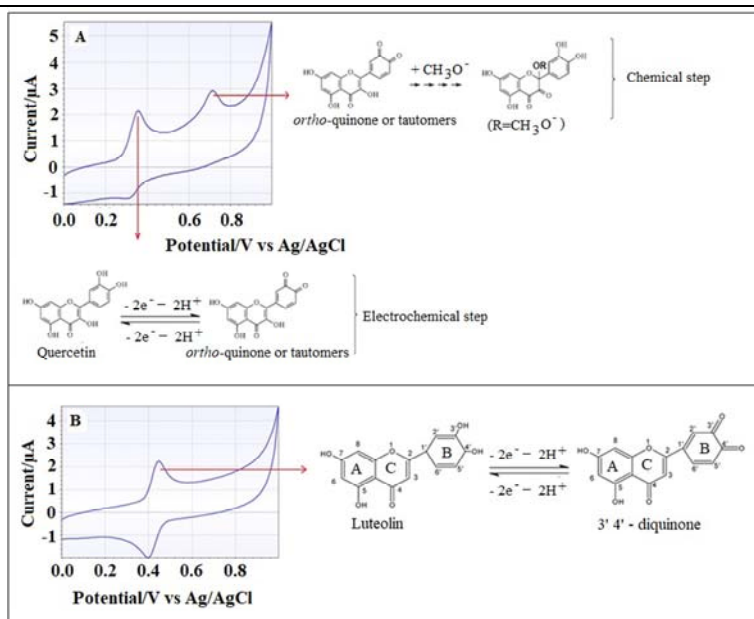


DOI: 10.33224/rch.2020.65.4.06
Rev. Roum. Chim., 2020, 65(4), 367-374

Key words: phthalonitrile, anti-bacterial, anti-fungal, synthesis, aggregation, peripheral.

**Kuddusi KARABODUK and
Erdoğan HASDEMİR**

Simultaneous determination of quercetin and luteolin in mate and white tea samples by voltammetry

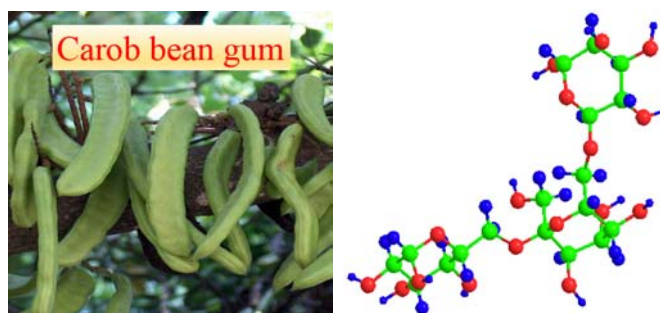


DOI: 10.33224/rch.2020.65.4.07
Rev. Roum. Chim., 2020, 65(4), 375-385

Key words: luteolin, quercetin, mate, white tea, voltammetry.

**Wei-Chao DU, Xiang-Yun WANG,
Liu-Xiang KANG, Yong SU, Xian-Bin HUANG,
Gang CHEN and Jie ZHANG**

Application of carboxymethylated carob bean gum as eco-friendly water based drilling fluids additive

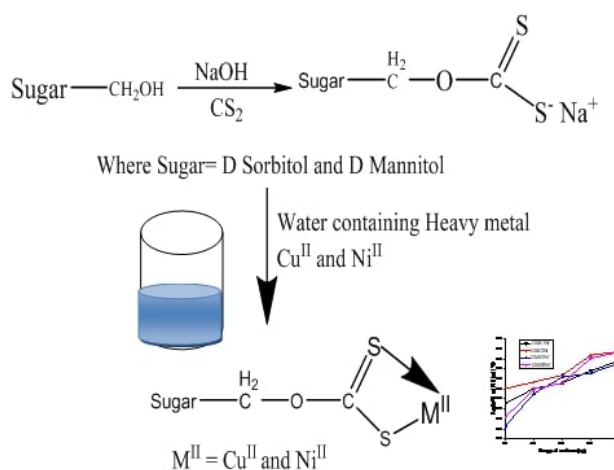


DOI: 10.33224/rch.2020.65.4.08
Rev. Roum. Chim., 2020, 65(4), 387-393

Key words: Carob bean gum, carboxymethylation, eco-friendly, drilling fluids.

Amar NATH and Poorn Prakash PANDE

Synthesis of novel sugar based xanthates for the removal of copper and nickel harmful heavy metals from water



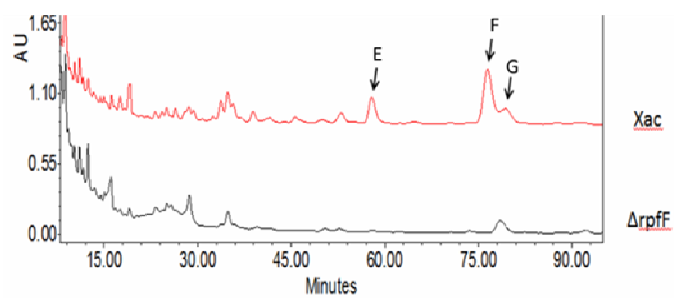
DOI: 10.33224/rch.2020.65.4.09
Rev. Roum. Chim., 2020, 65(4), 395-401

Key words: D-sorbitol xanthate, D-mannitol xanthate, metal ion removal, UV-visible spectroscopy.

NOTE

**Chun-Bin TAN, Chang-Qin CHANG,
Chun-Lan HE, Lian-Hui ZHANG
and Xiao-Ling LIU**

Separation and synthesis of the new DSFs



DOI: 10.33224/rrch.2020.65.4.10
Rev. Roum. Chim., 2020, 65(4), 403-406

Key words: separation, synthesis, DSFs, rpfC mutated Xac.
