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/rrch.2020.65.4.01

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

Nicolae SOLOMON and Iulia SOLOMON

Injection molded part material failure analysis

DOI: 10.33224/rrch.2020.65.4.02

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-aminoantipyrine derivative as a precursor: decolorization efficiency of methylene blue

DOI: 10.33224/rrch.2020.65.4.03

Key words: Schiff base, 4-aminoantipyrine, methylene blue, decolorization, nickel oxide, palladium oxide, NPs.
Imen ABIDLI, Nebil SOUISSI and X. Ramón NOVOA

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

DOI: 10.33224/rrch.2020.65.4.04

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

Fang HUANG, Fuquan GUO and Guoqin LIU

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

DOI: 10.33224/rrch.2020.65.4.05

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/rrch.2020.65.4.06

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/rrch.2020.65.4.07

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/rrch.2020.65.4.08

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/rrch.2020.65.4.09

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

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