

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

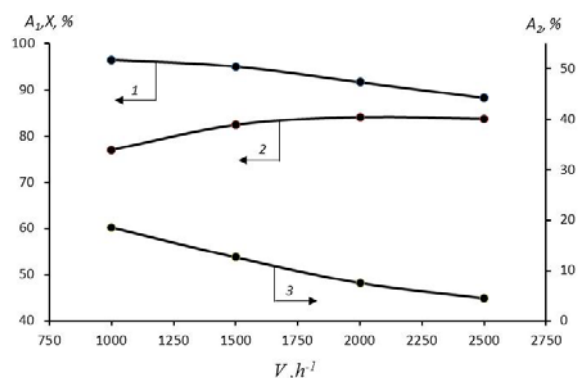
Tome 64, N° 4

Avril 2019

PAPERS

Agadash ALIYEV, Agil SAFAROV and
Zumrud SHABANOVA

Oxidative conversion of isopropyl alcohol
to acetone over modified zeolite catalysts

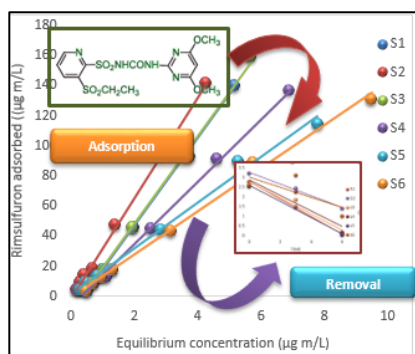


Doi: 10.33224/rch.2019.64.4.01
Rev. Roum. Chim., 2019, 64(4), 291-297

Key words: isopropyl alcohol, acetone, mechanism, natural mordenite, kinetic model.

Khuram Shahzad AHMAD

Adsorption of Rimsulfuron in selected soils and its
removal via activated carbon

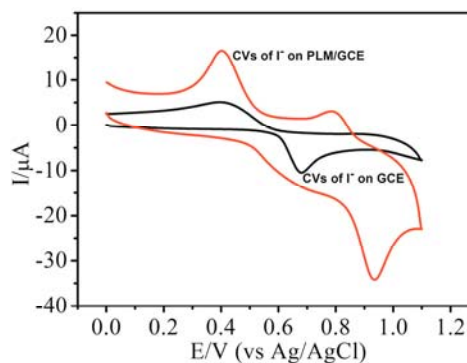


Doi: 10.33224/rch.2019.64.4.02
Rev. Roum. Chim., 2019, 64(4), 299-310

Key words: sorption, herbicide, activated carbon, removal.

Xu LIU, Hui GAO, Dengming SUN,
Yanming WANG and Wei MA

Determination of trace of iodide at a poly-L-
methionine modified glassy carbon electrode

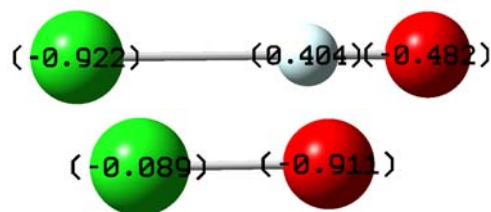


Doi: 10.33224/rch.2019.64.4.03
Rev. Roum. Chim., 2019, 64(4), 311-316

Key words: iodide, poly-L-methionine, modified, glassy carbon electrode.

Liang JUNXI, Bai JUN, Su QIONG and Zhang HUBIN

Theoretical study on reactions mechanism of CH_3Cl with ClO^- and ClHeO^- : a prediction of inert-atom effect

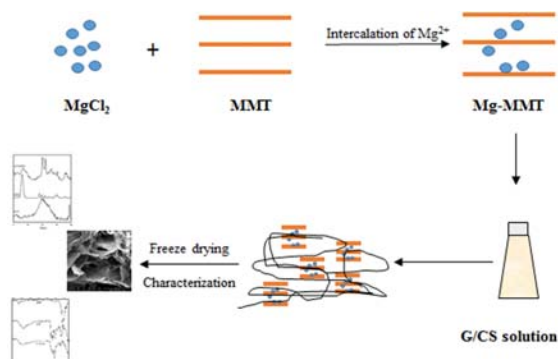


Doi: 10.33224/rrch.2019.64.4.04
Rev. Roum. Chim., 2019, 64(4), 317-326

Key words: oxygen containing anion, mechanism, density functional theory (DFT).

Aysel KOÇ DEMİR

Development and characterization of gelatin/chitosan/montmorillonite composite scaffold enriched with magnesium

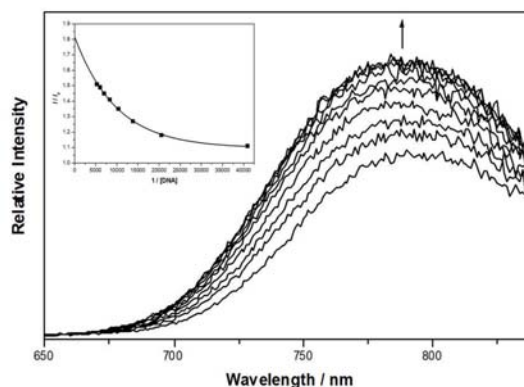


Doi: 10.33224/rrch.2019.64.4.05
Rev. Roum. Chim., 2019, 64(4), 327-334

Key words: bone tissue engineering, composite material, montmorillonite, natural polymers, magnesium.

Jianfei KONG, Jun CHEN and Jinquan LIU

Synthesis, photophysical, electrochemical and DNA binding properties of a novel ruthenium(II) $\text{N}^{\wedge}\text{N}$ complex

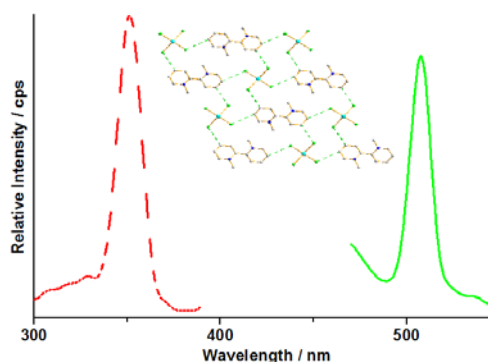


Doi: 10.33224/rrch.2019.64.4.06
Rev. Roum. Chim., 2019, 64(4), 335-341

Key words: ruthenium(II) complex, $\text{N}^{\wedge}\text{N}$, DNA binding, photophysics, electrochemistry.

Xiu-Guang YI, Xiao-Niu FANG, Xiao-Ying ZHOU, Yong-Xiu LI and Yan-Zhu LIU

In situ syntheses and characterization of two phases of a copper complex: structural difference leading to different properties



Doi: 10.33224/rrch.2019.64.4.07
Rev. Roum. Chim., 2019, 64(4), 343-351

Key words: crystal structure, phase, photoluminescence, semiconductor, supermolecule.

Xuan-Ming ZHANG, Li-Wen HAN,
Wen-Long SHENG, Xiao-Bin LI,
Shan-Shan ZHANG, Qing XIA, Guan-E YANG
and Ke-Chun LIU

Two novel holostane-type glycosides from the
viscera of sea cucumber *Apostichopus japonicus*
with antitumor activities

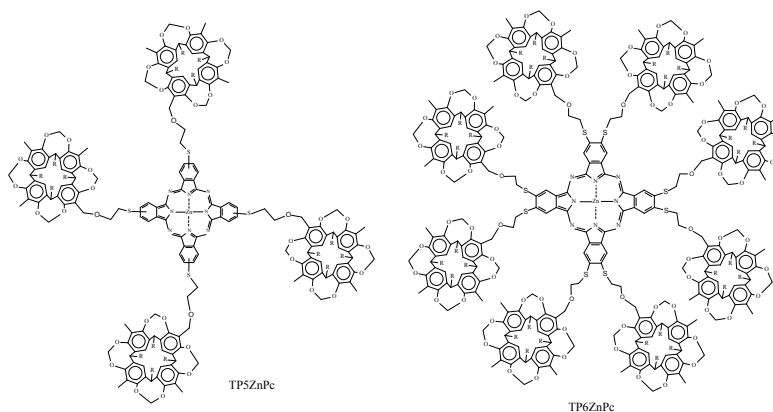


Doi: 10.33224/rch.2019.64.4.08
Rev. Roum. Chim., 2019, 64(4), 353-359

Key words: *Apostichopus japonicus*, viscera, holostane-type glycosides,
spectroscopic analysis, antitumor.

Cihan KANTAR

Phthalocyanines containing resorcinarene cavitands;
synthesis and heavy metal ion extraction properties

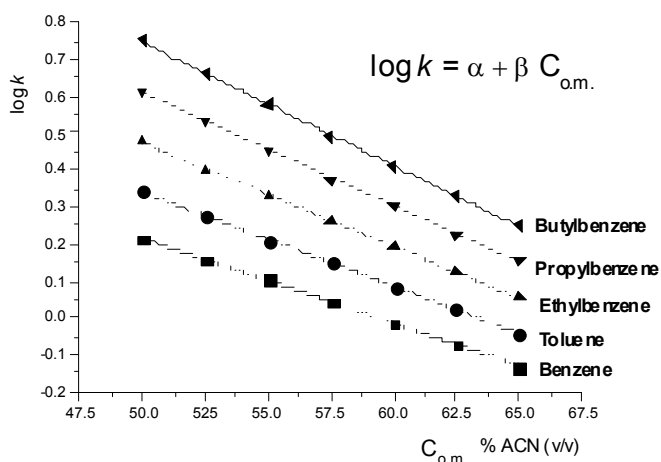


Doi: 10.33224/rch.2019.64.4.09
Rev. Roum. Chim., 2019, 64(4), 361-366

Key words: phthalocyanine, resorcinarene, heavy metal ion extraction,
liquid-liquid extraction, cavitand.

Edvin CAIALI and Victor DAVID

Retention behaviour of aromatic hydrocarbons in
reversed-phase HPLC
based on phenyl-silica stationary phase

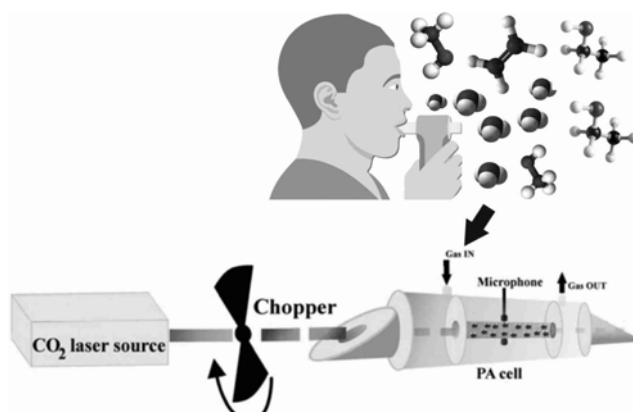


Doi: 10.33224/rch.2019.64.4.10
Rev. Roum. Chim., 2019, 64(4), 367-372

Key words: aromatic hydrocarbons, phenyl-silica, reversed-phase HPLC,
water solubility, octanol/water partition.

Cristina POPA, Ana Maria BRATU and
Mioara PETRUS

Chemical compounds from human respiration



Doi: 10.33224/rch.2019.64.4.11
Rev. Roum. Chim., 2019, 64(4), 373-382

Key words: exhaled chemical compounds, spectroscopy, human respiration.