

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

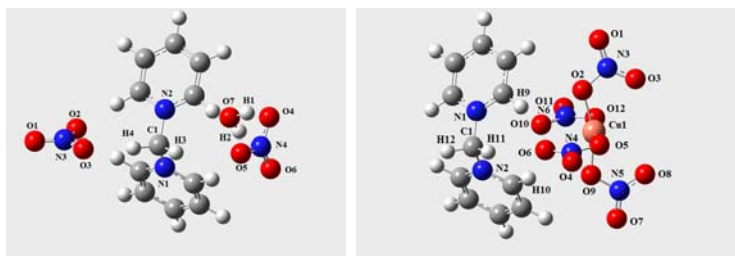
Tome 64, N° 6

Juin 2019

PAPERS

**Mahmoud M. AL-KTAIFANI and
Mohammad K. SABRA**

1,1'-Methylenedipyridinium tetranitratocuprate(II):
A rare example
of organic-inorganic hybrid salt of form
[organic dication][Cu(NO₃)₄], synthesis,
spectroscopic characterizations and molecular
structural investigations

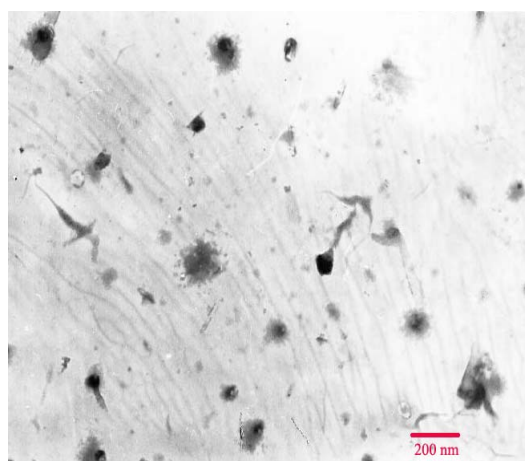


Doi: 10.33224/rch.2019.64.6.01
Rev. Roum. Chim., 2019, 64(6), 469-477

Key words: organic-inorganic hybrid salt, 1,1'-methylenebispyridinium, tetranitratocuprate, FTIR, *ab initio* quantum chemical calculations.

**Qijie XU, Ning ZHANG, Dandan HE,
Zhun LIU, Wei LI and Weiwei HE**

Preparation of polyamide 6/copper nanocomposites
and its properties

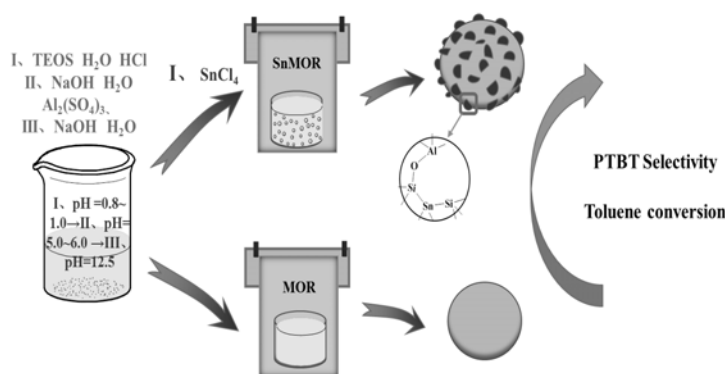


Doi: 10.33224/rch.2019.64.6.02
Rev. Roum. Chim., 2019, 64(6), 479-484

Key words: *In situ* polymerization, caprolactam, nano-Cu, polyamide 6.

**Yang LI, Zhiwei ZHOU, Juan QIN, Zhirui LIU,
Hao HUANG, Guang LIU and Wenliang WU**

Preparation of tin-doped mordenite by multistep
pH template-free method for the tert-alkylation
of toluene

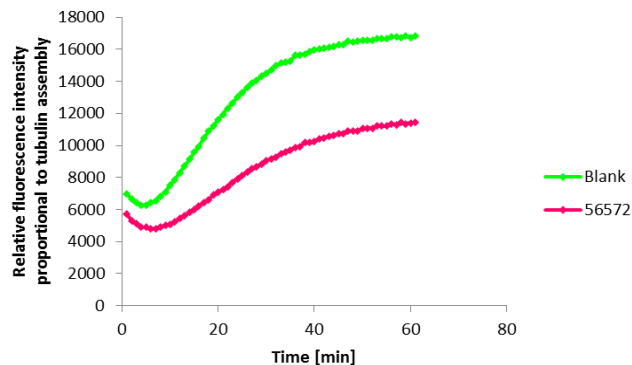


Doi: 10.33224/rch.2019.64.6.03
Rev. Roum. Chim., 2019, 64(6), 485-492

Key words: SnMOR; Framework-substituted; Template-free; Lewis acidity; Para-*tert*-butyltoluene.

Jana ŽELAZKOVÁ

In vitro evaluation of antitubulin activity of tetrahydropyrrolo[3,4-c]pyrrole-1,3-dione derivatives

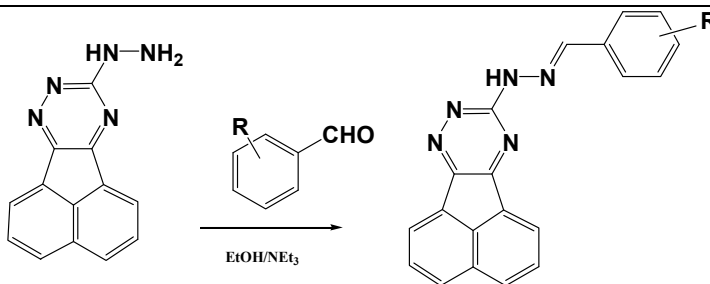


Doi: 10.33224/rch.2019.64.6.04
 Rev. Roum. Chim., 2019, 64(6), 493-495

Key words: *in vitro* tubulin assembly, colchicine domain, tetrahydropyrrolo[3,4-c]pyrrole-1,3-dione.

Somayeh ADIBI SEDEH,
Mohammad Kazem MOHAMMADI,
Masood FERIDOONNEZHAD
and Ali JAVID

Simple and efficient route for synthesis of new 9-(phenyl imino hydrazine)-acenaphtho[1,2-e]-1,2,4-triazin derivatives

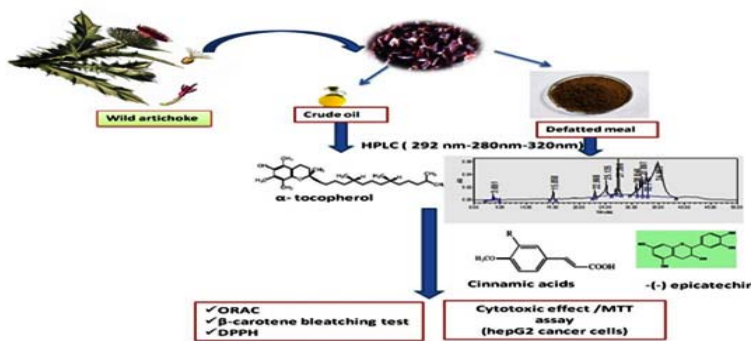


Doi: 10.33224/rch.2019.64.6.05
 Rev. Roum. Chim., 2019, 64(6), 497-502

Key words: synthesis, acenaphthylene-1, 2-dione, acenaphtho [1, 2-e]-1, 2, 4-triazines, benzyl thio, imino hydrazine, aldehydes.

Moufida A. OUESLATI, Aynur GUNENC,
Ghayth RIGANE, Hanen GHAZGHAZI,
Caroline VALENCIA, Ridha BEN SALEM,
Sadok BOUKHCHINA, Williamn G.
WILLMORE and Farah HOSSEINIAN

Chemical composition, antioxidant and cytotoxic activities of *Onopordum acanthium* L. crude oil and defatted meal

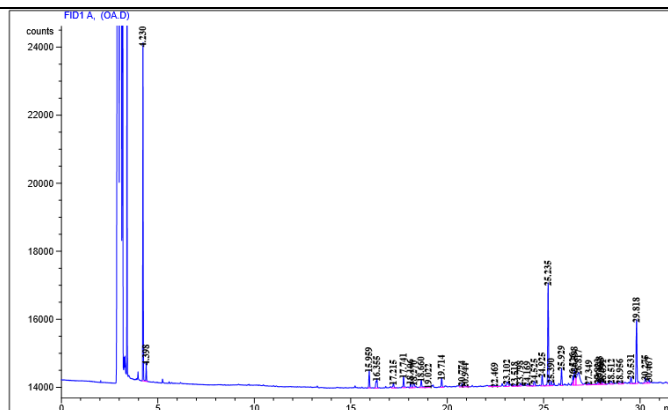


Doi: 10.33224/rch.2019.64.6.06
 Rev. Roum. Chim., 2019, 64(6), 503-510

Key words: phenolic acids, radical scavenging potential, tocopherols, seed oil, antiproliferative activity.

Sondes FKIRI, Hanene GHAZGHAZI,
Ghayth RIGANE, Ridha BEN SALEM,
Faten MEZNI, Abdelhamid KHALDI,
M. Larbi KHOUJA and Zouhair NASR

Chemical compositions and biological activities essential oil from the needles of North African *Pinus pinaster* Var.



Doi: 10.33224/rch.2019.64.6.07
 Rev. Roum. Chim., 2019, 64(6), 511-517

Key words: *Pinus pinaster* Var., essential oil, GC-MS, biological activities.

Hai-Huan GONG, Xiao-Meng ZHANG,
Xiao-Wei GUO, Ping GAO, Qi ZHAO,
Tong XU, Xiao-Yu SHI, Song ZHU and
Zhan-Chen CUI

Advances in reducing microleakage in dental composites

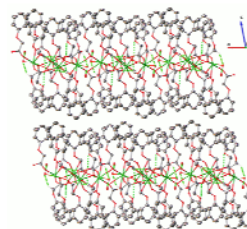


Doi: 10.33224/rch.2019.64.6.08
Rev. Roum. Chim., 2019, 64(6), 519-527

Key words: dental restorations, microleakage, polymerization, composite resins, polyurethane elastomer, stress.

Xiao-Niu FANG, Xiu-Guang YI,
Bo-Xiao TANG, Ren-Yun KUANG and
Ya-Ping XU

Synthesis, crystal structure, photoluminescence and semiconductive properties of a novel terbium complex

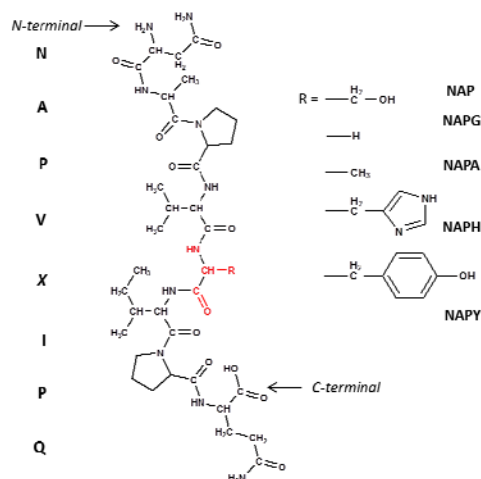


Doi: 10.33224/rch.2019.64.6.09
Rev. Roum. Chim., 2019, 64(6), 529-534

Key words: terbium complex, Photoluminescence, X-ray, semiconductive materials.

Ancuța-Veronica LUPAESCU,
Cătălina-Ionica CIOBANU,
Ionel HUMELNICU,
Brîndușa Alina PETRE,
Manuela MURARIU and
Gabi DROCHIOIU

Design and synthesis of new anti-amyloid NAP-based/like peptides



Doi: 10.33224/rch.2019.64.6.102
Rev. Roum. Chim., 2019, 64(6), 535-546

Key words: Alzheimer's disease, β -amyloid, NAP peptide, FT-IR, HPLC.

