

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

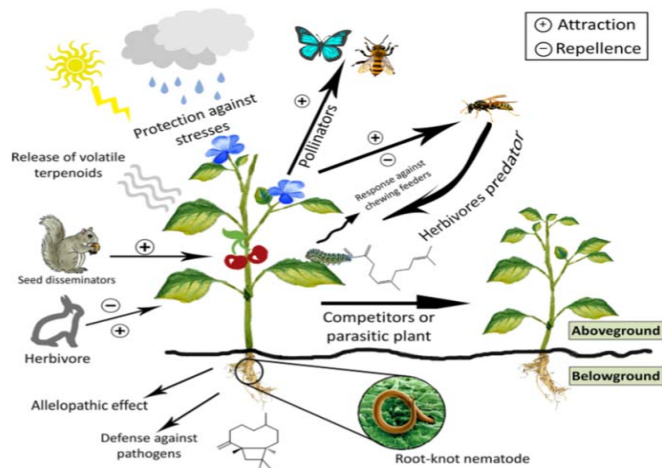
Tome 66, N° 7

Juliet 2021

REVIEW

Dana Maria POPESCU-SPINENI,
Anca Magdalena MUNTEANU,
Constantin IONESCU-TÂRGOVIȘTE,
Costin MILITARU and
Alexandru Constantin MOLDOVEANU

Cannabis terpenes in relation to human health



DOI: 10.33224/rrch.2021.66.7.01
Rev. Roum. Chim., 2021, 66(7), 583-592

Key words: terpenes, medicinal cannabis, the “entourage effect”.

PAPERS

Xuewu ZUO, Muhammad Kamran SIDDIQUI,
Najma Abdul REHMAN and
Muhammad NAEEM

Computing topological indices for silicates and
honeycomb networks

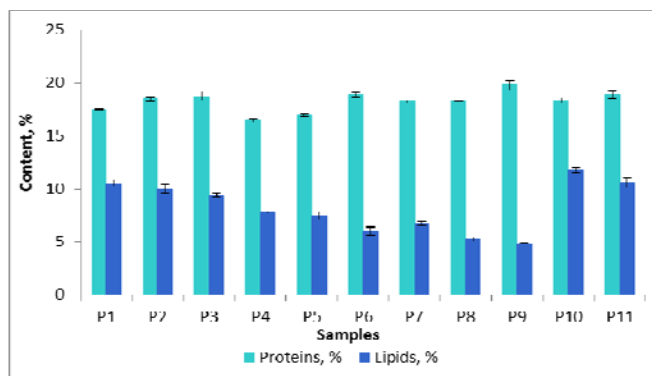
$$F(G) = \sum_{v \in V(G)} d(v)^3 = \sum_{u,v \in E(G)} (du^2 + dv^2)$$

DOI: 10.33224/rrch.2021.66.7.02
Rev. Roum. Chim., 2021, 66(7), 593-603

Key words: forgotten topological index, hyper zagreb index, first multiple zagreb index, second multiple zagreb index and zagreb polynomials, silicates and honeycomb networks.

Mioara COSTACHE, Iuliana MANEA and
Laur Constantin MANEA

The use of polysaccharides as dietary fibers to
improve the functionality of fast food meat
products

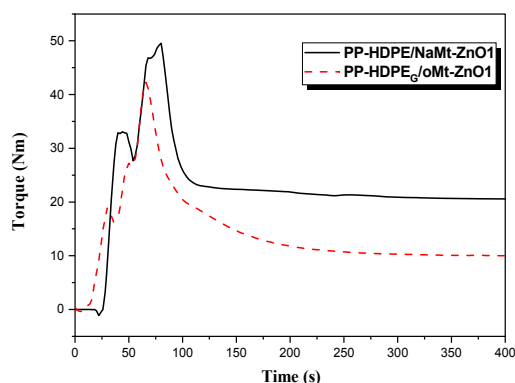


DOI: 10.33224/rrch.2021.66.7.03
Rev. Roum. Chim., 2021, 66(7), 605-611

Key words: lipids, dietary fiber, meatballs, functional food.

**Hicham KOUADRI, Ouahiba BOURICHE,
Ouarda DJAOUT, Naima MAOUCHE and
Djahida LERARI**

Enhancement of the photodegradation resistance and antibacterial properties of PP-HDPE nanocomposites based nanoclay and zinc oxide

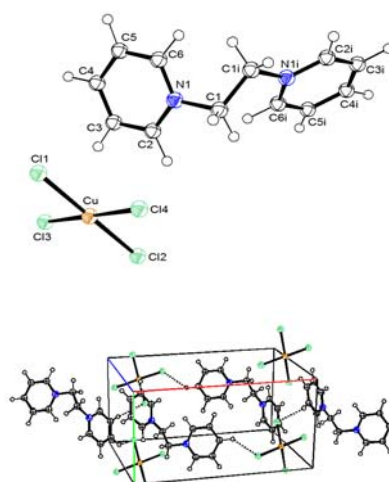


DOI: 10.33224/rch.2021.66.7.04
Rev. Roum. Chim., 2021, 66(7), 613-624

Key words: PP-HDPE, clay, ZnO, nanocomposite, antimicrobial activity, photodegradation resistance.

**Mohammad K. SABRA,
Mahmoud M. Al-KTAIFANI,
Abd Alaziz ALSHARIF and
Fatemh MAKSOU**

Synthesis and molecular structure of 1,1'-(ethylene-1,2-diyl)dipyridinium tetrachloridocuprate(II)

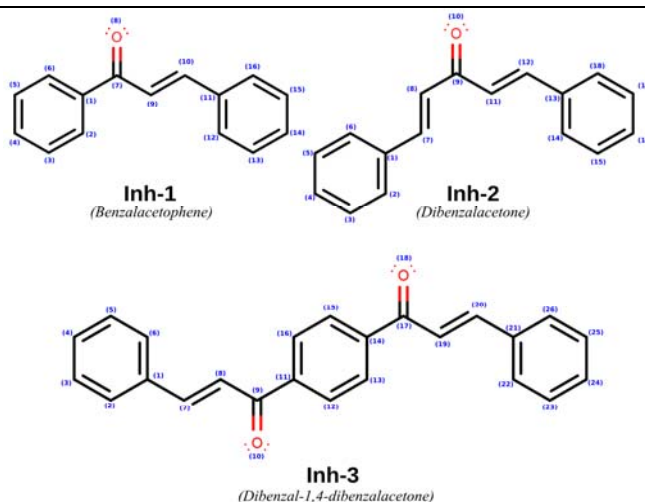


DOI: 10.33224/rch.2021.66.7.05
Rev. Roum. Chim., 2021, 66(7), 625-632

Key words: 1,1'-(ethylene-1,2-diyl)dipyridinium tetrachloridocuprate(II), molecular structure, NMR, organic-inorganic hybrid salt, powder X-ray diffraction.

**Wahiba MECIBAH, Hamza ALLAL,
Mouna CHERIFI, Souad BOUASLA and
Nabila BOUTEMINE**

Theoretical study of chalcone derivatives as corrosion inhibitors for aluminum in acidic environment



DOI: 10.33224/rch.2021.66.7.06
Rev. Roum. Chim., 2021, 66(7), 633-644

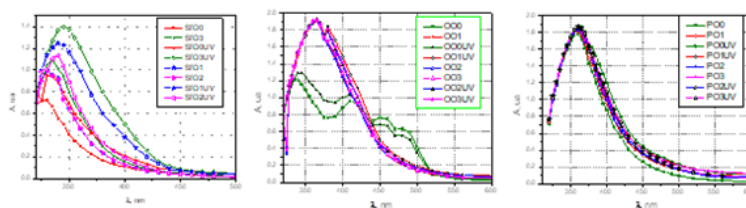
Key words: corrosion inhibitors, quantum-chemical calculation, DFT, chalcone derivatives inhibitors.

Claudia COBZARU, Geneveva BORDEIANU, Gabriela Antoaneta APOSTOLESCU, Ramona-Elena TATARU-FARMUȘ, Nicolae APOSTOLESCU and Corina CERNATESCU

Thermal and photochemical degradation of cooked sunflower, olive and palm oils

DOI: 10.33224/rch.2021.66.7.07

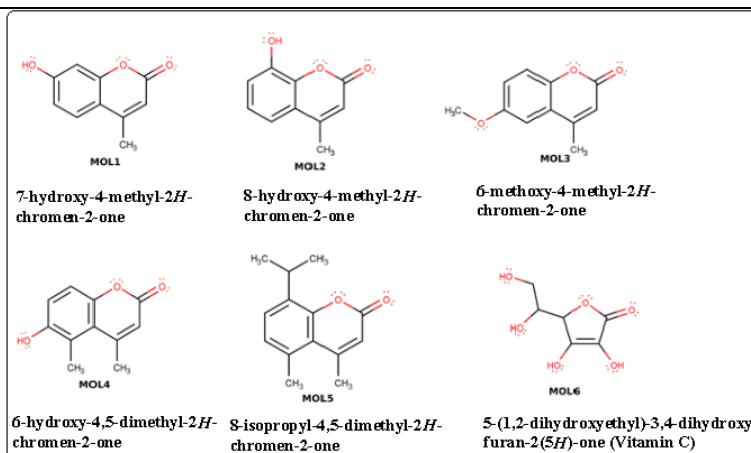
Rev. Roum. Chim., 2021, 66(7), 645-652



Key words: sunflower oil, olive oil, palm oil, cooking, photo degradation.

Souad BOUASLA, Chafia SOBHI, Hamza ALLAL, Wahiba MECIBAH, Mouna CHERIFI and Issam BOUGDAH

Synthesis, antioxidant and DFT study of some 4-methyl-2H-chromen-2-one derivatives



DOI: 10.33224/rch.2021.66.7.08

Rev. Roum. Chim., 2021, 65(7), 653-660

Key words: coumarin, Pechmann condensation, antioxidant activity, DPPH, DFT.

Hajer RIGUENE, Ghayth RIGANE and Ridha BEN SALEM

Enhanced production of phenolic compounds from *Jasminum grandiflorum* leaves by response surface methodology



DOI: 10.33224/rch.2021.66.7.09

Rev. Roum. Chim., 2021, 66(7), 661-674

Key words: *Jasminum grandiflorum* Linn, phenolic compounds, ultrasound assisted extraction (UAE), response surface methodology (RSM).

Burak ALANYALIOĞLU and Kader DAĞCI KIRANŞAN

Removal of safranin from the environment by using graphene oxide paper



DOI: 10.33224/rch.2021.66.7.10

Rev. Roum. Chim., 2021, 66(7), 675-681

Key words: adsorbent, adsorption capacity, GO paper, safranin.

