

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

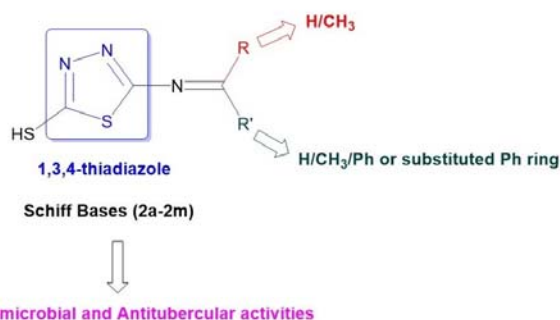
Tome 65, N° 9

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PAPERS

**Kasetti Ashok BABU, Indrajeet SINGHVI,
Nagasuri RAVINDRA and Afzal Basha SHAIK**

Antimicrobial and antitubercular evaluation
of some new 5-amino-1,3,4-thiadiazole-2-thiol
derived Schiff bases

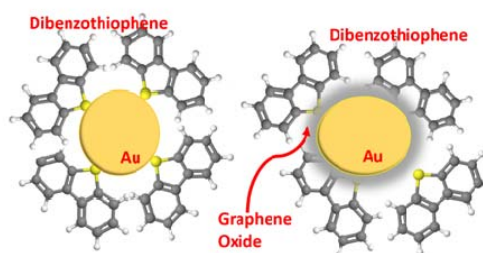


DOI: 10.33224/rch.2020.65.9.01
Rev. Roum. Chim., 2020, 65(9), 771-776

Key words: 1,3,4-thiadiazole, schiff bases, antibacterial, antifungal, antitubercular.

Fatma Bayrakçeken NİŞANCI

Synthesis and characterization of graphene oxide/
gold nanoparticles/ dibenzothiophene
heterogeneous nanostructures

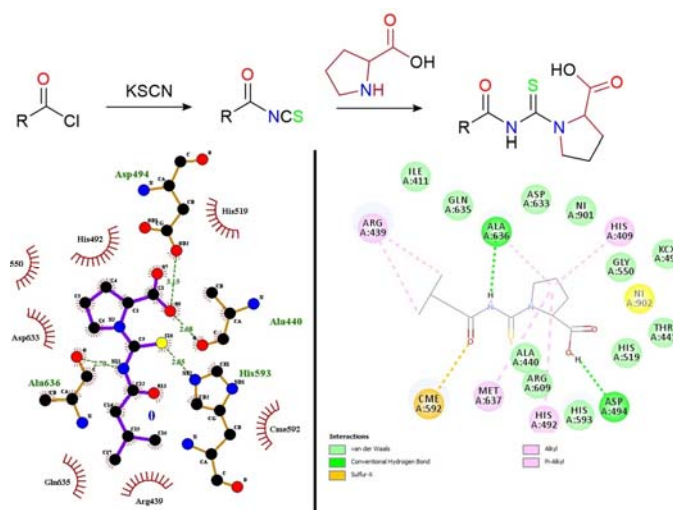


DOI: 10.33224/rch.2020.65.9.02
Rev. Roum. Chim., 2020, 65(9), 777-782

Key words: dibenzothiophene, diesel fuel, gold nanoparticles, graphene oxide.

**Ahmad RAHEEL, Imtiaz-Ud-DIN,
Syed Hassan IFTIKHAR,
Muhammad Babar TAJ, Rabia AYUB,
Anham ZAFAR, Sumaira ABBAS and
Mundher AL-SHAKBAN**

Synthesis, antimicrobial activity, urease inhibition
and molecular docking studies of new proline
linked thiourea derivatives

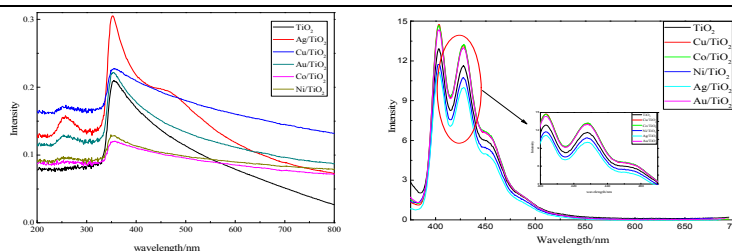


DOI: 10.33224/rch.2020.65.9.03
Rev. Roum. Chim., 2020, 65(9), 783-788

Key words: antimicrobial, enzyme inhibition, molecular docking.

Shengqiang WANG, Qijie XU, Yang ZHANG, Gaofeng JIN, Weiwei HE and Ning ZHANG

Fabrication of transition metal-doping TiO₂ composite and its photocatalytic degradation performance toward the ammonia nitrogen compounds in farm wastewater

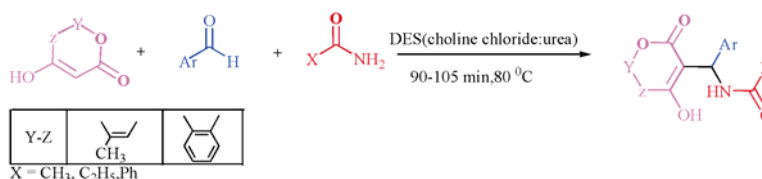


DOI: 10.33224/rch.2020.65.9.04
Rev. Roum. Chim., 2020, 65(9), 789-794

Key words: TiO₂, farm wastewater, photocatalytic, ammonia nitrogen compounds.

Hamed ASADI, Hossein ANARAKI-ARDAKANI, Parviz TORABI and Narghes TAHERI

An efficient and green protocol for the one-pot synthesis of 3-amido-alkyl-4-hydroxycoumarin derivatives by choline chloride/urea as a deep eutectic solvent

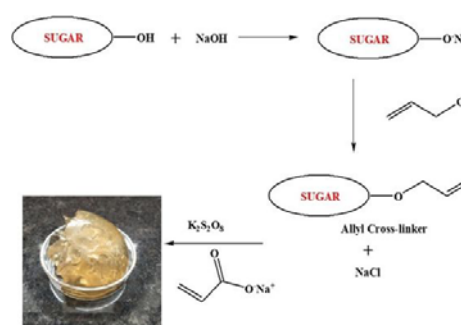


DOI: 10.33224/rch.2020.65.9.05
Rev. Roum. Chim., 2020, 65(9), 795-800

Key words: deep eutectic solvents, green chemistry, multi-component reaction, choline chloride/urea.

ANAMICA and Poorn Prakash PANDE

Synthesis and characterization of a novel sugar based cross-linker

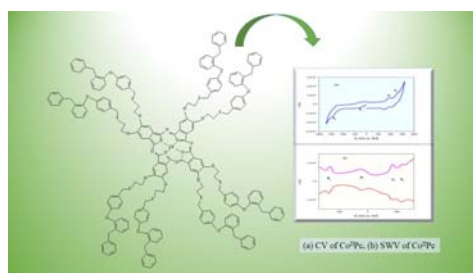


DOI: 10.33224/rch.2020.65.9.06
Rev. Roum. Chim., 2020, 65(9), 801-806

Key words: D-mannitol, allyl chloride, allyl mannitol, sugar-based cross-linker.

Meltem B. SAĞLAM and Zekeriya BIYIKLIOĞLU

Synthesis, characterization, aggregation and electrochemical properties of peripheral octa-2-[[4-(2-benzylphenoxy)benzyl]thio]ethoxy group substituted cobalt(II) phthalocyanine

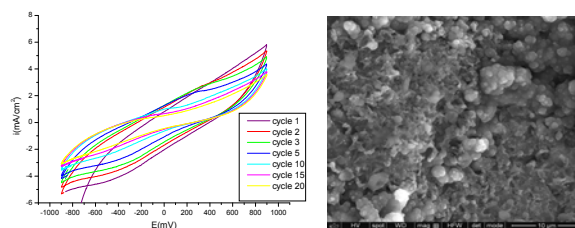


DOI: 10.33224/rch.2020.65.9.07
Rev. Roum. Chim., 2020, 65(9), 807-814

Key words: 2-benzylphenol, peripheral, electrochemical, aggregation, cyclic voltammetry.

Florina BRANZOI

Electrochemical synthesis and characterizations of new nanocomposite electrodeposition on Co67Cr29W4 alloy substrate

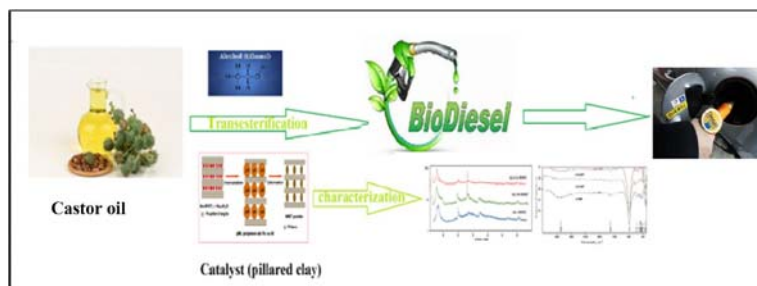


DOI: 10.33224/rch.2020.65.9.08
Rev. Roum. Chim., 2020, 65(9), 815-823

Key words: composite, conducting polymer, alloy, electrodeposition, cyclic voltammetry, EIS, SEM.

**Radjaa EL AHMAR, Charef HARRATS,
Djillali BASSOU and Soufi Kacimi**

Heterogeneous transesterification of castor oil for biodiesel production by Al_2O_3 , $\text{Al}_2\text{O}_3\text{-NiO}$ and $\text{Al}_2\text{O}_3\text{-CoO}$ modified bentonite as catalyst

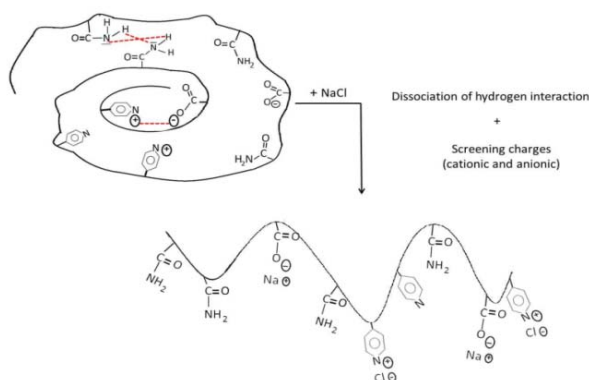


DOI: 10.33224/rrch.2020.65.9.09
Rev. Roum. Chim., **2020**, 65(9), 825-837

Key words: bentonite, pillared clays, castor oil, ethanol, transesterification, biodiesel.

**Brahim BOURAS, Tayeb HOCINE,
Kamel Ismet BENABADJI,
Lahcene TENNOUGA and Ali MANSRI**

Synthesis condition effects on the anti-polyelectrolyte behaviour of poly(acrylamide-co-(4-vinylpyridine)) (AM/4VP) copolymers in aqueous media



DOI: 10.33224/rrch.2020.65.9.10
Rev. Roum. Chim., **2020**, 65(9), 839-846

Key words: copolymerization, acrylamide, 4-vinylpyridine, viscosity, anti-polyelectrolyte behaviour.

