REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

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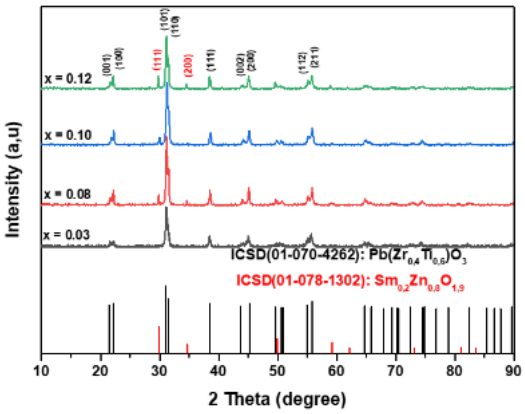
PAPERS

Malika ABBA, Abdelhek MEKLID, Adel KHIOUANI, Salah Eddine HACHANI and Rahima RAHAL

Structural, physical, morphological and dielectric properties of Sm modified PZT-PMI binary ceramics

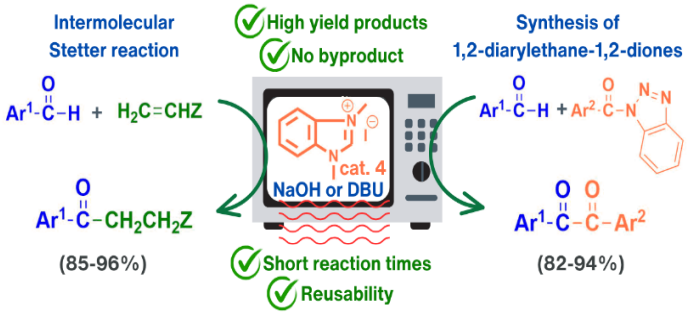


DOI: 10.33224/rrch.2024.69.7-8.04
Rev. Roum. Chim., **2024**, *69*(7–8), 365–373

Key words: PSZT-PMI, XRD, SEM, density, dielectric, tetragonal.

Baramee PHUNGPIS, Pakin NOPPAWAN and Kanokkan WORAWUT

Microwave-assisted *N,N'*-dimethylbenzimidazolium iodide as a powerful and efficient catalytic system for the intermolecular Stetter reaction and the synthesis of 1,2-diarylethane-1,2-dione derivatives in the absence of organic solvent

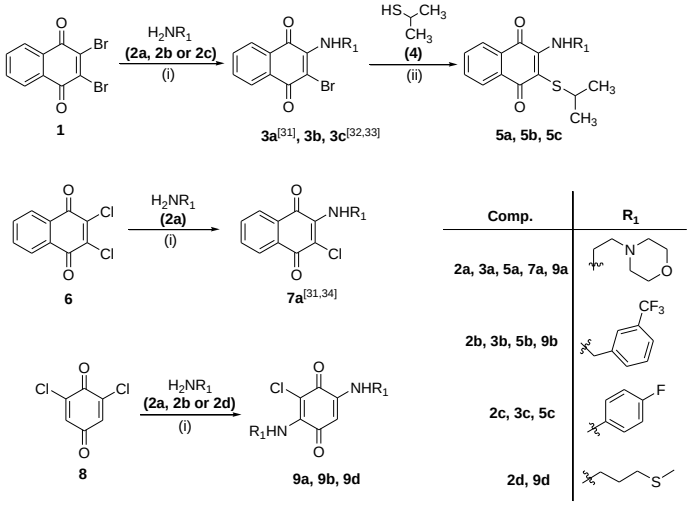


DOI: 10.33224/rrch.2024.69.7-8.05
Rev. Roum. Chim., **2024**, *69*(7–8), 375–389

Key words: 1,2-dicarbonyl compound; 1,4-addition; *N,N*-dimethylbenzimidazolium iodide; *N*-heterocyclic carbenes; microwave irradiation; Stetter reaction.

Ayşecik KAÇMAZ

Some amino- and thio- substituted 1,4-quinones: synthesis and characterization



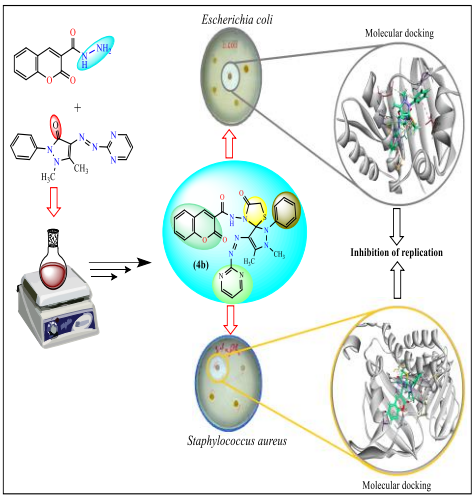
(i) $CHCl_3$ for **3a** and **3b**; CH_2Cl_2 for **3c**
(ii) $CHCl_3$ and triethylamine for **5a**, **5c**; CH_2Cl_2, acetone and triethylamine for **5b**.

DOI: 10.33224/rrch.2024.69.7-8.06
Rev. Roum. Chim., **2024**, *69*(7–8), 391–398

Key words: aminonaphthoquinones; thiols; amines; 2,6-dichloro-1,4-benzoquinone.

Abdallah FATHI AL-BURGUS, Omar THANOON-ALI and Omar YOUNIS AL-ABBASY

Design, synthesis and molecular docking of new spiro heterocyclic coumarin as antibacterial agents

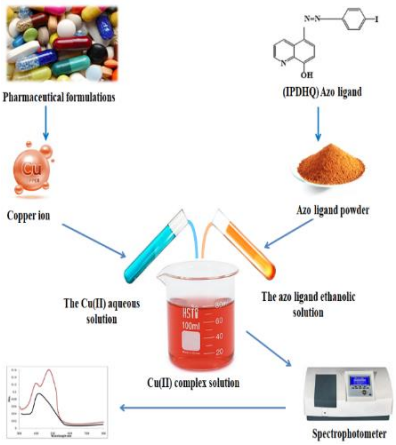


DOI: 10.33224/rrch.2024.69.7-8.07
Rev. Roum. Chim., **2024**, *69*(7–8), 399–404

Key words: spiro heterocyclic, coumarin, antibacterial activity, molecular docking.

Esraa Rasool RADHI

Spectrophotometric determination of Cu(II) using a synthesized azo quinoline ligand as analytical reagent

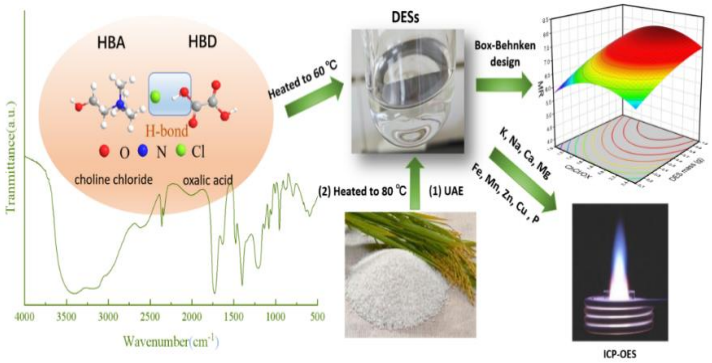


DOI: 10.33224/rrch.2024.69.7-8.08
Rev. Roum. Chim., **2024**, *69*(7–8), 405–412

Key words: spectrophotometric determination, azo quinoline ligand, 4-iodoaniline, Cu(II) azo complex**.**

Wenzhi ZHAO, Xu XIE, Tian HE, Jintao ZHANG and Jiufen LIU

Ultrasound-assisted digestion using choline chloride-oxalic acid deep eutectic solvent for macro and microelements determination in rice by ICP-OES

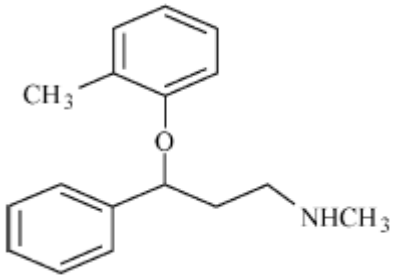


DOI: 10.33224/rrch.2024.69.7-8.09
Rev. Roum. Chim., **2024**, *69*(7–8), 413–421

Key words: green chemistry, deep eutectic solvent, ultrasound assisted extraction, elemental analysis, rice, ICP-OES.

Burhan CEYLAN, Nurdan KURNAZ YETIM, Cemile ÖZCAN, Mümin Mehmet KOÇ and Cem ÖNAL

Magnetic micro solid-phase extraction for a novel UHPLC-DAD method for the determination of atomoxetine (ATX) in breast milk and human plasma

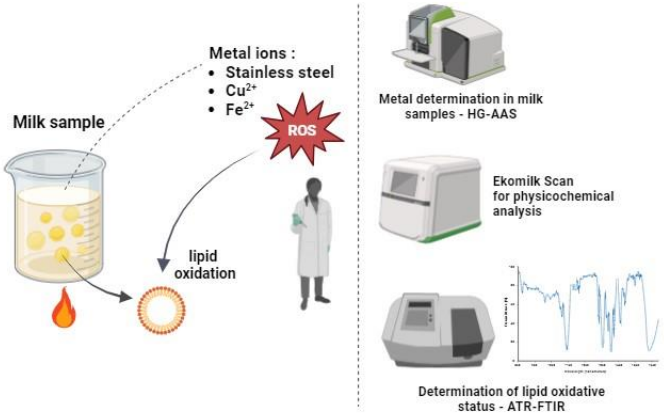


DOI: 10.33224/rrch.2024.69. 7-8.10
Rev. Roum. Chim., **2024**, *69*(7–8), 423–43

Key words: atomoxetine, magnetic micro solid phase extraction, human plasma, breast milk, UHPLC-DAD.

Raif BYTYÇI, Artan GASHI, Carolina KREBS De SOUZA, Caroline KNEBEL KUHN and Fatos REXHEPI

Influence of metal ions on the oxidative stability of heated milk: study by ATR-FTIR spectroscopy and chemometrics



DOI: 10.33224/rrch.2024.69.7-8.11
Rev. Roum. Chim., **2024**, *69*(7–8), 433–439

Key words: ATR-FTIR spectroscopy, principal component analysis (PCA), milk fat oxidation, ratio intensities, metal ions.