

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

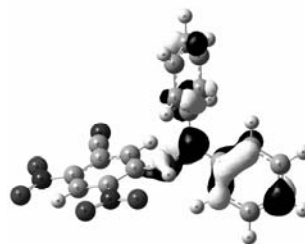
Tome 61, N^{os} 11-12

Novembre-Décembre 2016

PAPERS

Carmen ZORZONEL, Sorana IONESCU,
Daniela BALA and Constantin MIHAILCIUC

Cyclic voltammetry and DTF studies of some
triphenylhydrazine

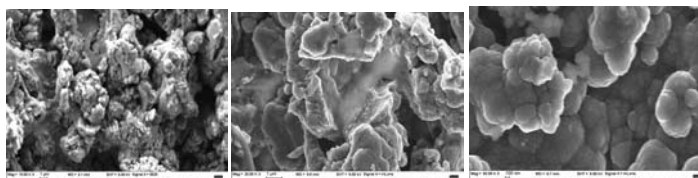
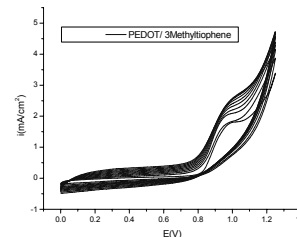
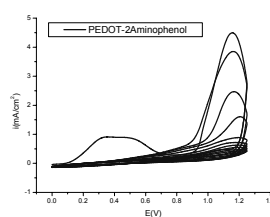


Rev. Roum. Chim., 2016, 61(11-12), 817-824

Key words: CV, DPV, hydrazine derivatives, DFT.

Florina BRANZOI, Viorel BRANZOI
and Zoia PAHOM

Modified electrodes obtained by electrochemical
codeposition of some conducting polymers on
metallic substrate

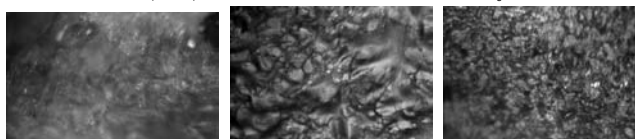
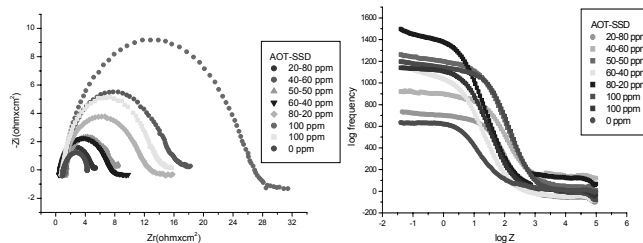


Key words: nanocomposite films, electropolymerization, SEM, EIS,
capacitance.

Rev. Roum. Chim., 2016, 61(11-12), 825-836

Florina BRANZOI, Viorel BRANZOI
and Angela STANCA

Corrosion inhibition of carbon steel by some
anionic surfactants in 0.5M H₂SO₄

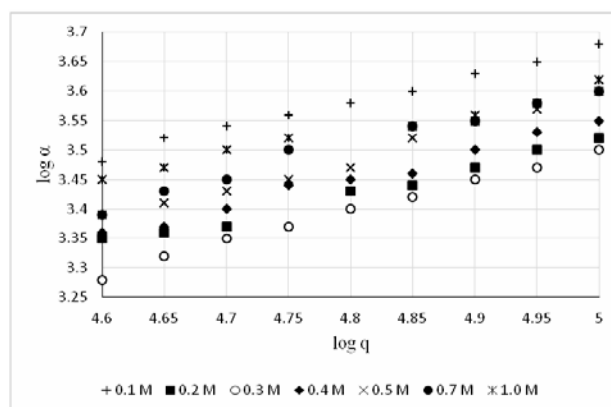


Key words: organic inhibitor, anionic surfactant, carbon steel,
potentiodynamic polarization, electrochemical impedance
spectroscopy and FT-IR.

Rev. Roum. Chim., 2016, 61(11-12), 837-850

Simona POPA and Sorina BORAN

Heat transfer during boiling
of some aqueous-alcohol systems

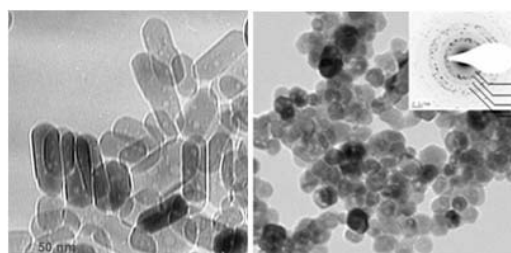


Rev. Roum. Chim., 2016, 61(11-12), 851-855

Key words: heat transfer coefficient, boiling, heat flux.

Bilel CHOUCHE, Karima HORCHANI-NAIFER and Tahar BEN CHAABANE

Effect of the solvent on the morphology and the size of ZnO nanoparticles synthesized in polyol medium

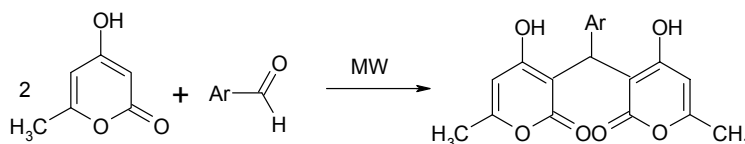


Rev. Roum. Chim., 2016, 61(11-12), 857-862

Key words: defects, solvent, nanomaterials, zinc compounds, II-VI semiconductor.

Nassima BENFERRAH, Mohamed HAMMADI and Florian BERTHIOL

Application of microwave heating of dry organic reactions: new condensation products from triacetic acid lactone (TAL)

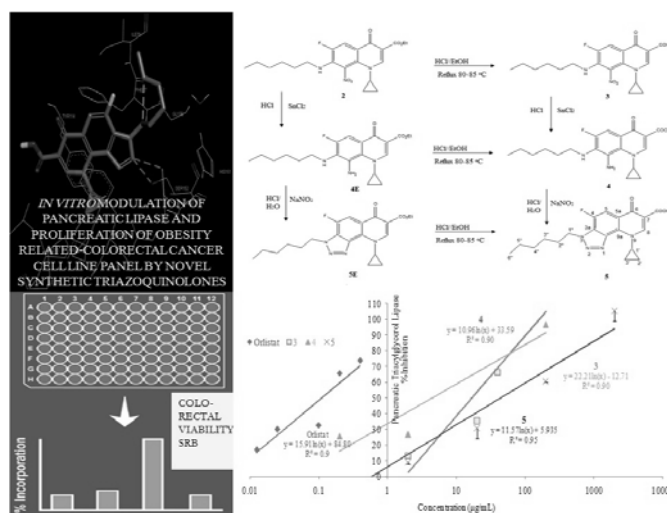


Rev. Roum. Chim., 2016, 61(11-12), 863-869

Key words: microwaves irradiation, arylidene compounds, dry organic reaction, triacetic acid lactone, catalyst free.

Shereen ARABIYAT, Yusuf AL-HIARI, Yasser K. BUSTANJI, Hiba ZALLOUM and Violet KASABRI

In vitro modulation of pancreatic lipase and proliferation of obesity related-colorectal cancer cell line panel by novel synthetic triazoquinolones

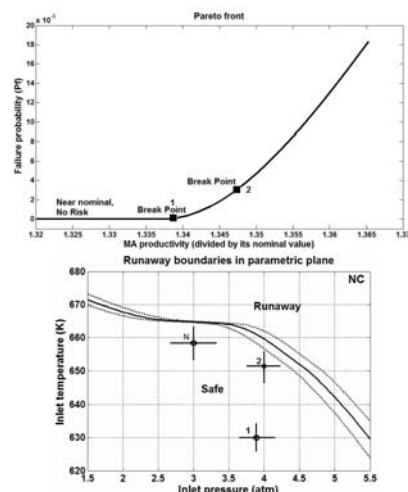


Rev. Roum. Chim., 2016, 61(11-12), 871-879

Key words: triazoquinolones, fluoroquinolones, pancreatic triacylglycerol lipase, orlistat, colorectal cancer, cisplatin.

Constantin MUSCALU and Gheorghe MARIA

Pareto optimal operating solutions for a catalytic reactor for benzene oxidation based on safety indices and extended process kinetic model

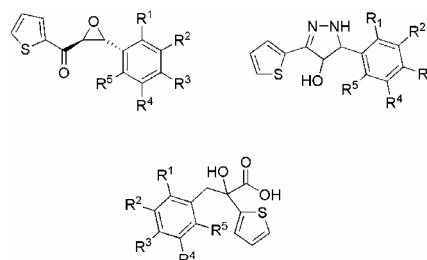


Key words: catalytic reactor, Pareto optimal solutions, safety limits, failure probability, uncertainty.

Rev. Roum. Chim., 2016, 61(11-12), 881-892

Gheorghe ROMAN

Synthesis and ring opening reactions of (3-aryloxiran-2-yl)(thiophen-2-yl)methanones

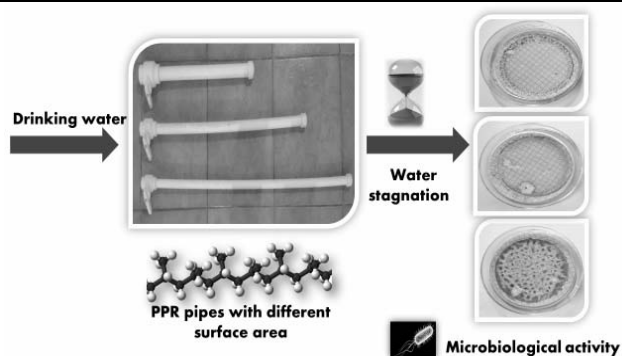


Key words: chalcone, chalcone epoxide, ring opening, hydroxypyrazoline, α -hydroxy acid.

Rev. Roum. Chim., 2016, 61(11-12), 893-901

Nicoleta DAMIAN, Silvia PATACHIA and Ioan SCARNECIU

Influence of the polypropylene [PPR] pipes characteristics on the drinking water quality

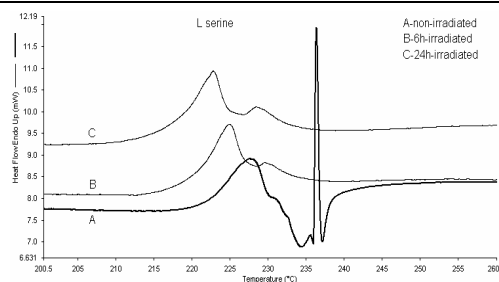


Key words: polypropylene random, pipes, drinking water quality, microbiological analysis.

Rev. Roum. Chim., 2016, 61(11-12), 903-912

Ana NEACSU, Daniela GHEORGHE, Iulia CONTINEANU and Mihail CONTINEANU

A thermochemical study of gamma irradiated serine stereoisomers

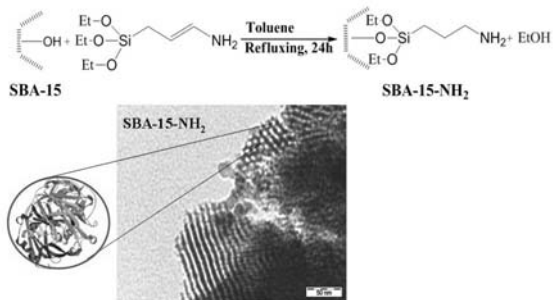


Key words: gamma rays, DSC, TG, FTIR, serine isomers, decomposition.

Rev. Roum. Chim., 2016, 61(11-12), 913-925

**Mihaela FILIP, Mihaela MURESEANU,
Gabriela PAUN and Viorica PARVULESCU**

Biocatalysts obtained by enzyme immobilization
on functionalized mesoporous silica supports

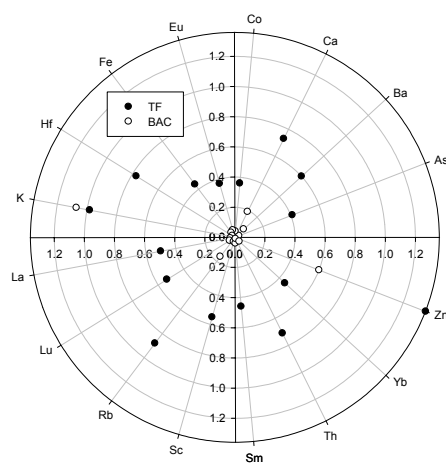


Key words: mesoporous silica; functionalization; enzyme immobilization; biocatalyst; oxidative degradation.

Rev. Roum. Chim., 2016, 61(11-12), 927-933

**Oumelkheir MOKHTARI, Bouzid NEDJIMI
and Mohamed TOUMI**

Soil-plant transfer factors of chemical elements in
Artemisia campestris L. (Asteraceae) using INAA
technique



Key words: medicinal plants, *Artemisia campestris*, neutron activation
analysis, trace elements, translocation factor.

Rev. Roum. Chim., 2016, 61(11-12), 935-940

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