

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

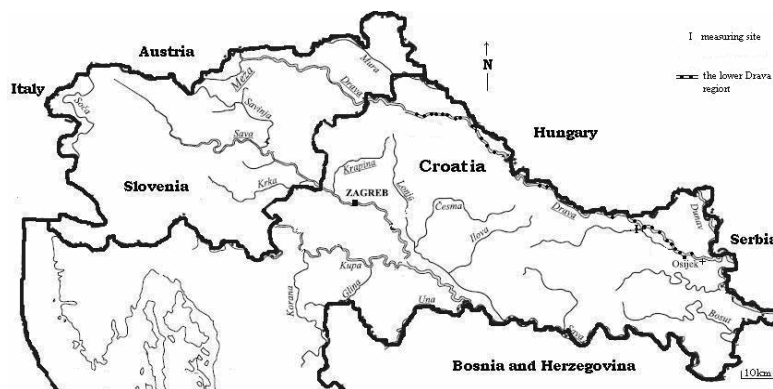
Tome 60, N° 10

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PAPERS

Vlatka GVOZDIĆ, Josip BRANA,
Kornelija OREŠKOVIĆ, Dinko PUNTARIĆ,
Domagoj VIDOSAVLJEVIĆ,
Matijana JERGOVIĆ, Ida PUNTARIĆ,
Eda PUNTARIĆ, Marina VIDOSAVLJEVIĆ
and Andrijana MÜLLER

Analysis and assessment of available water sources
in Eastern Croatia

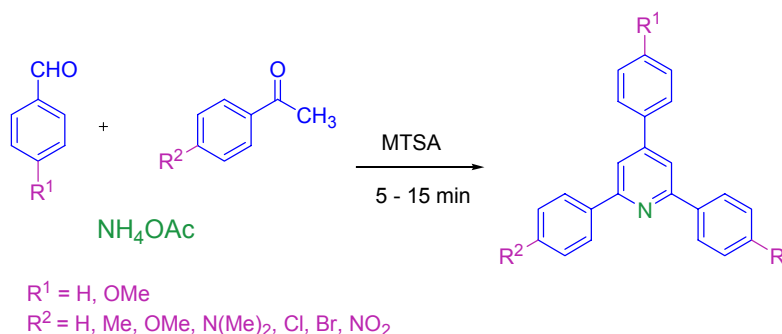


Key words: water pollution, ICP mass spectrometry, Drava River,
public health.

Rev. Roum. Chim., 2015, 60(10), 935-941

Arash MOURADZADEGUN, Ali Reza KIASAT
and Hadi ASAREH

An improved and highly efficient one-pot three-
component synthesis of 2,4,6-triarylpyridines
catalyzed by melamine trisulfonic acid under
solvent-free condition

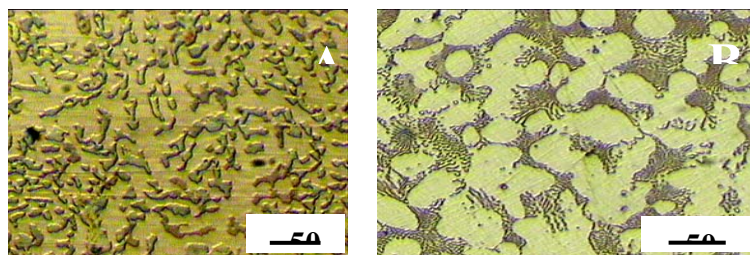


Key words: melamine trisulfonic acid, one-pot synthesis, solvent-free, three-
component synthesis, triarylpyridines.

Rev. Roum. Chim., 2015, 60(10), 943-947

Sorin IACOBAN, Georgiana BOLAT,
Corneliu MUNTEANU, Daniela CAILEAN and
Daniel MARECI

A comparative study on the corrosion behaviour
of CoCr and NiCr dental alloys in saline medium

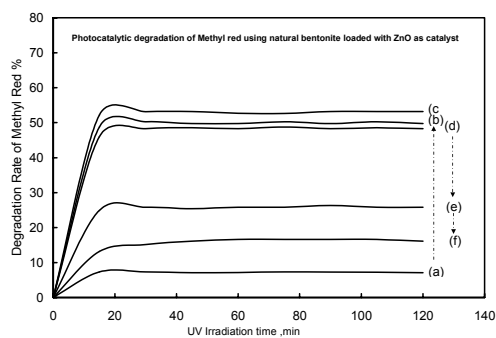


Key words: dental alloys, saline medium, corrosion, electrochemical
impedance spectroscopy, energy dispersive spectroscopy.

Rev. Roum. Chim., 2015, 60(10), 949-955

Mohamad KASSEM

Performance evaluation of natural bentonite loaded with zinc oxide for the photocatalytic degradation of methyl red

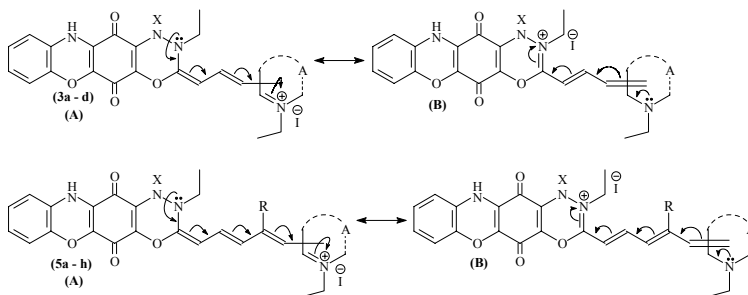


Rev. Roum. Chim., 2015, 60(10), 957-963

Key words: natural bentonite, zinc oxide, methyl red, photocatalytic degradation.

**Hassan Abazied SHINDY,
Maha Mubark GOMA and
Nemat Abdelrahman HARB**

Novel carbocyanine and dicarbocyanine dyes: synthesis spectral characterization and biological activity

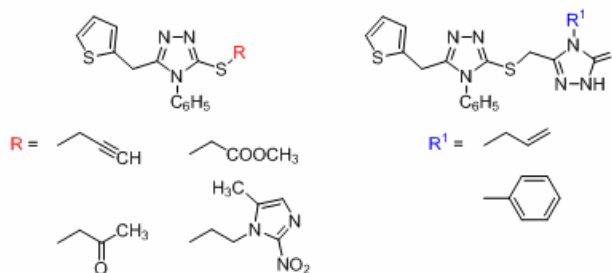


Rev. Roum. Chim., 2015, 60(10), 965-974

Key words: carbocyanine dyes, dicarbocyanine dyes, synthesis, spectral characterization, oxadiazine, biological activity.

Gheorghe ROMAN

Derivatives of 4-phenyl-3-(thiophen-2-ylmethyl)-1H-1,2,4-triazole-5(4H)-thione

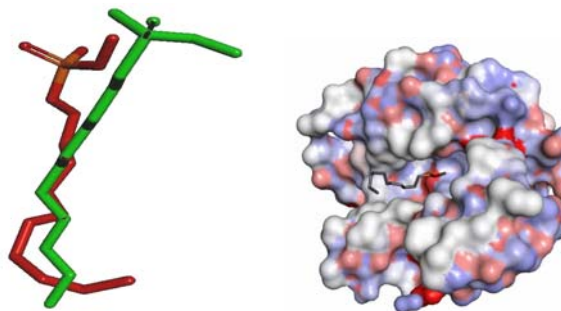


Rev. Roum. Chim., 2015, 60(10), 975-981

Key words: 1,2,4-triazole-5-thione, S-alkylation, ring closure.

**Mohammad MOHAMMAD, Violet KASABRI,
Hiba ZALLOUM, Rabab TAYYEM,
Eman ABURISH, Yusuf AL-HIARI and
Yasser BUSTANJI**

Antilipolytic property of curcumin: molecular docking and kinetic assessment

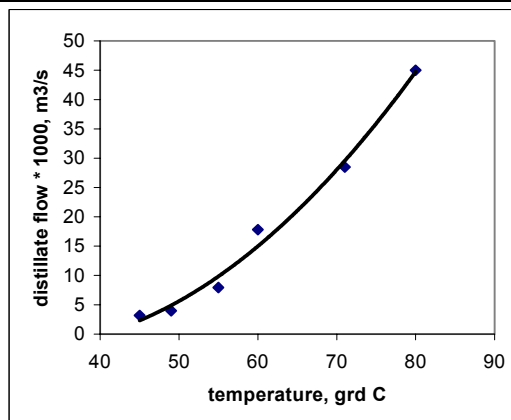


Rev. Roum. Chim., 2015, 60(10), 981-989

Key words: enzyme kinetics studies, curcumin, pancreatic lipase inhibition, docking.

Simona POPA and Sorina BORAN

Aspects regarding efficiency of two experimental fractionating columns

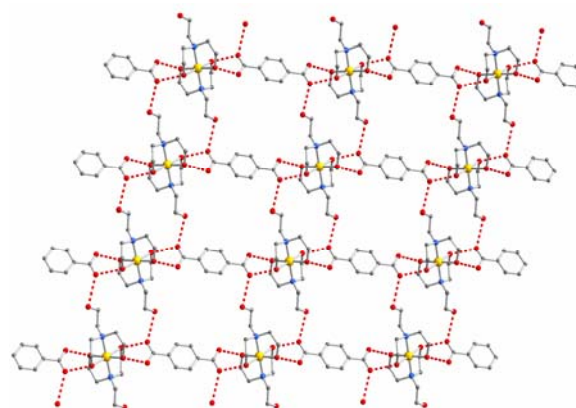


Key words: bubble-cap plate column, packed column, jacket temperature, separation efficiency.

Rev. Roum. Chim., 2015, 60(10), 991-995

**Andrei CUCOS, Carmen PARASCHIV,
Catalin MAXIM, Gabriela SBARCEA,
Violeta TUDOR and Marius ANDRUH**

A new two-dimensional supramolecular Zn(II) system assembled *via* hydrogen bonds established between the terephthalate dianion and the triethanolamine ligand

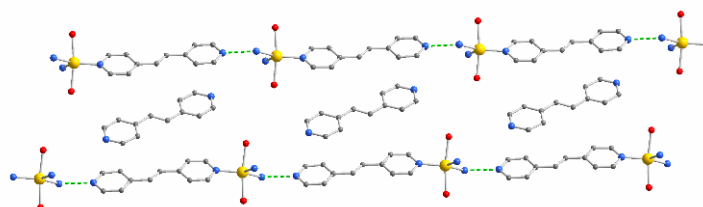


Rev. Roum. Chim., 2015, 60(10), 997-1003

Key words: zinc(II), terephthalic acid, triethanolamine, hydrogen bonds.

**Andrei CUCOS, Carmen PARASCHIV,
Sergiu SHOVA, Augustin MADALAN,
Gabriela SBARCEA, Virgil MARINESCU and
Marius ANDRUH**

Interplay of hydrogen bond and stacking interactions in the crystal structure of a new mononuclear zinc complex



Key words: zinc(II), 1,2-bis(4-pyridyl)ethylene, tris(hydroxymethyl)aminomethane, hydrogen bonds, π - π stacking interactions.

Rev. Roum. Chim., 2015, 60(10), 1005-1013