

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

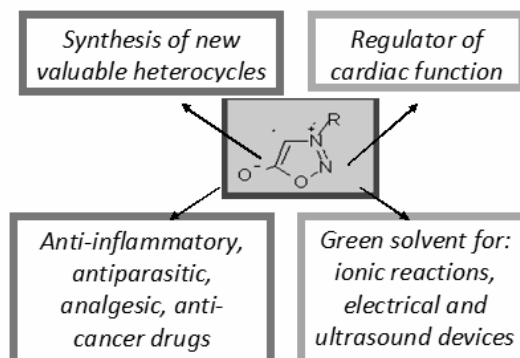
Tome 62, N° 10

Octobre 2017

REVIEW

Florin ALBOTA and
Michaela Dina STANESCU

The state of art in sydnones chemistry and applications



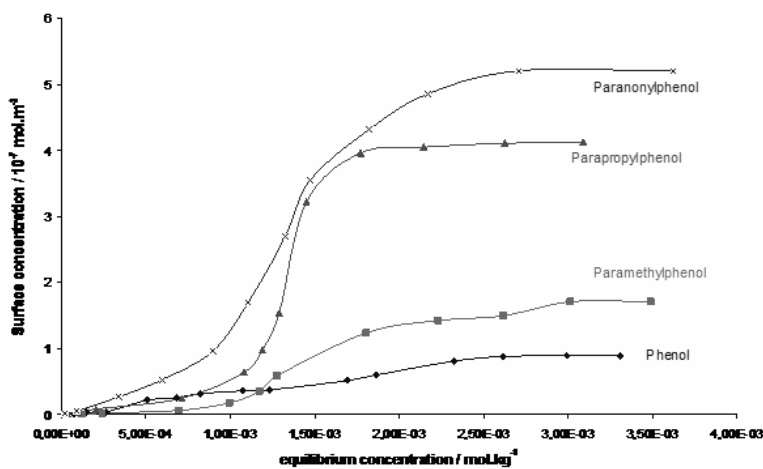
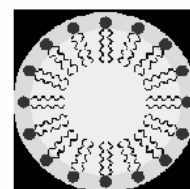
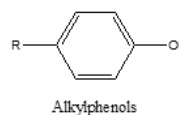
Rev. Roum. Chim., 2017, 62(10), 711-734

Key words: sydnones, aromaticity, recent syntheses, functionalization, 1,3-cycloaddition, applications.

PAPERS

Mondher BARHOUMI and Hechmi SAID

Adsorption of alkylphenols onto green clay surface in the presence of nonionic surfactant

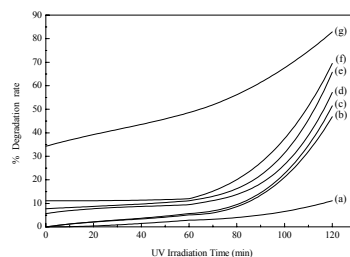


Rev. Roum. Chim., 2017, 62(10), 735-739

Key words: adsorption, phenol, alkylphenol, green clay, isotherms, partition coefficient, nonionic surfactant.

Mohamad KASSEM

Effect of germanium addition on the structural and textural properties of barium titanate, evaluation of phase transition and photocatalytic activity

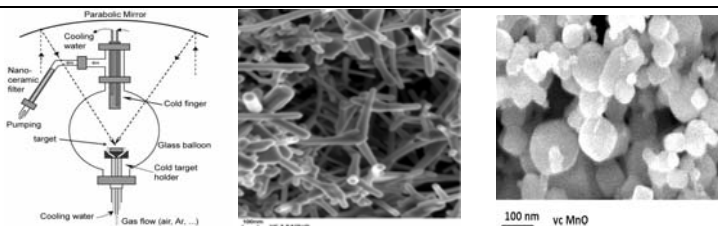


Rev. Roum. Chim., 2017, 62(10), 741-748

Key words: barium titanate, photocatalytic activity.

Adriana-Gabriela PLAIASU and Daniela Monica IORDACHE

Morphological characterization of oxide nanopowders

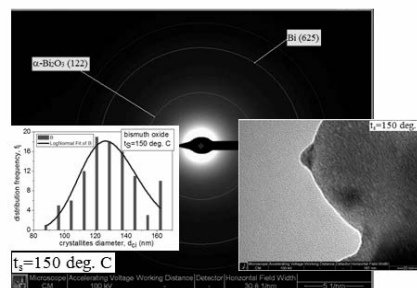


Rev. Roum. Chim., 2017, 62(10), 749-754

Key words: synthesis, solar energy, oxide nanopowders, morphology, dopant.

Simona CONDURACHE-BOTA and Nicolae TIGAU

The influence of the oxidation degree of bismuth oxide thin films on their optical properties

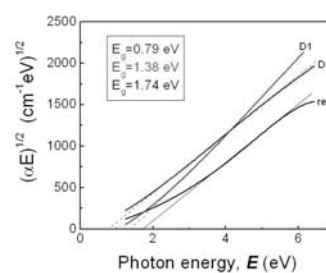


Rev. Roum. Chim., 2017, 62(10), 755-760

Key words: bismuth oxide, transmission electron microscopy, energy bandgap, refractive index, absorption coefficient.

Maria BEROVA, Maksim SANDULOV, Tania TSVETKOVA, Anna SZEKERES, Penka TERZIYSKA, Snezhanka KITOVA, Roman BOETTGER and Lothar BISCHOFF

Optical contrast formation in ta-C films by ion implantation

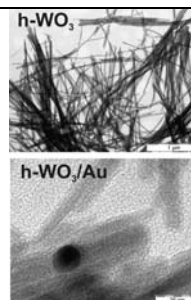


Rev. Roum. Chim., 2017, 62(10), 761-765

Key words: ta-C film, Ga⁺ ion implantation, optical properties, ellipsometry.

Tamás FIRKALA, Orsolya KÉRI, Fanni GÁBER, Lenke KÓCS, Zoltán HÓRVÖLGYI, Dávidné NAGY, Maria ZAHARESCU and Imre Miklós SZILÁGYI

Photocatalytic properties of hexagonal WO₃ nanowires decorated with gold nanoparticles

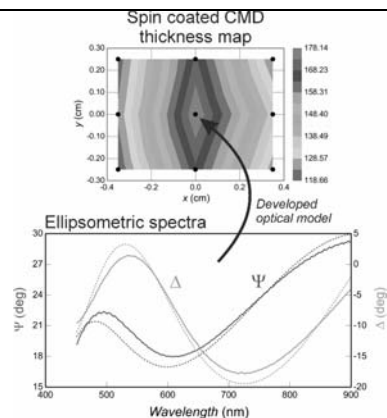


Rev. Roum. Chim., 2017, 62(10), 767-773

Key words: composites, nanostructures, solvothermal, optical properties, catalytic properties.

**Andras SAFTICS, Sándor KURUNCZI,
Barbara TÜRK, Emil AGÓCS,
Benjámín KALAS, Péter PETRIK,
Miklós FRIED, Attila SULYOK, Szilvia BÓSZÉ
and Robert HORVATH**

Spin coated carboxymethyl dextran layers on
TiO₂-SiO₂ optical waveguide surfaces

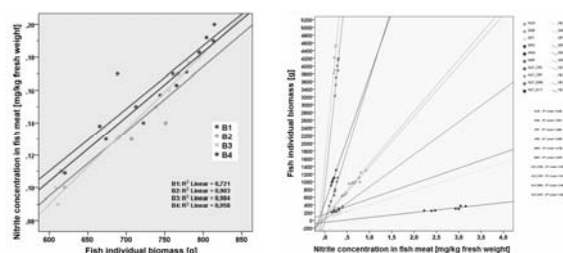


Rev. Roum. Chim., 2017, 62(10), 775-781

Key words: carboxymethyl dextran, ellipsometry, spin coating, OWLS.

**Ira-Adeline SIMIONOV, Victor CRISTEA,
Ştefan-Mihai PETREA, Elena BOCIIOC and
Sândița PLĂCINTĂ**

The influence of water and sediments nitrite
concentration on chemical fish meat composition in
different aquatic ecosystems

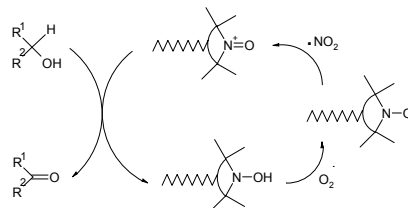


Rev. Roum. Chim., 2017, 62(10), 783-791

Key words: food chemistry, aquatic ecosystems, nitrite, sediments.

**Ahmed J. SHAKIR, Gabriela IONITA and
Petre IONITA**

Selective oxidation of alcohols with stable organic
polyradicals



Rev. Roum. Chim., 2017, 62(10), 793-798

Key words: free radicals, oxidation, catalysis, nitroxide, NO_x.

