

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

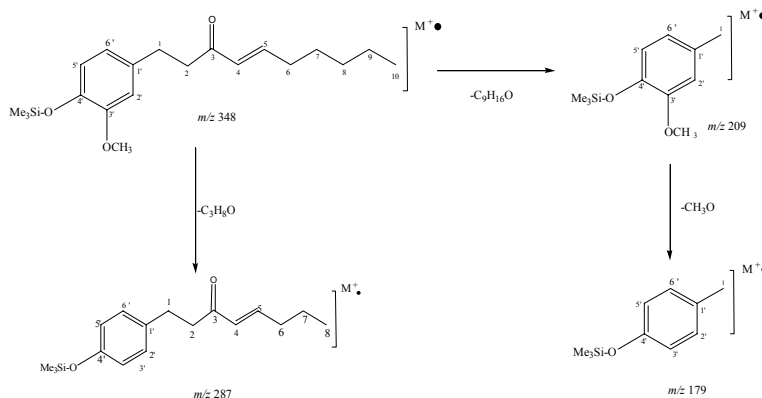
Tome 63, N° 1

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PAPERS

**Ghayth RIGANE, Sami MNIF and
Ridha BEN SALEM**

One step purification of 6-shogaol from *Zingiber officinale Rosco*, a phenolic compound having a high effectiveness against bacterial strains

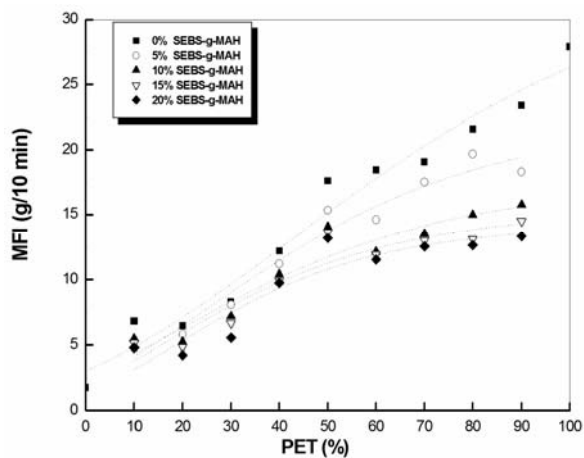


Rev. Roum. Chim., 2018, 63(1), 5-10

Key words: *Zingiber*, NMR, biological activities, shogaol.

**Ismahane DEBBAH, Rachida KRACHE,
Khalida BELKOUISSEM,
Djafer BENACHOUR and
Maria Esperanza CAGIAO**

Effect of a thermoplastic elastomer compatibilizer (SEBS-g-MAH) on the properties of PP-PET blends

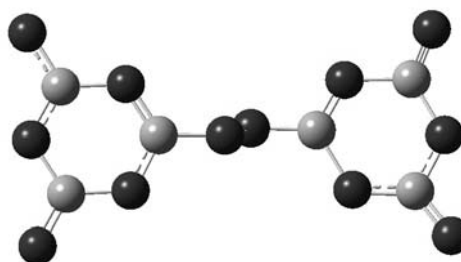


Rev. Roum. Chim., 2018, 63(1), 11-20

Key words: Blends, compatibility, mechanical and thermal properties, SEBS-g-MAH, PET.

**Run-Ning ZHAO, Cun-Shan HAN, Rui CHEN,
Zi Chen LU and Ju-Guang HAN**

A computational investigation on the nitrogen-rich C_2N_{10} , C_6N_{12} , and C_6N_{20} compounds by density functional methods

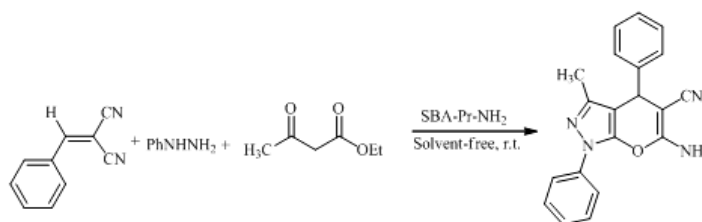


Rev. Roum. Chim., 2018, 63(1), 21-30

Key words: nitrogen-rich compound, high-energy, magnetic material, electronic properties, DFT.

**Mahnaz ZAINALI and
Mohammad A. AMROLLAHI**

SBA-Pr-NH₂ catalyzed preparation
of pyrano[2,3-c]pyrazoles under
solvent-free conditions

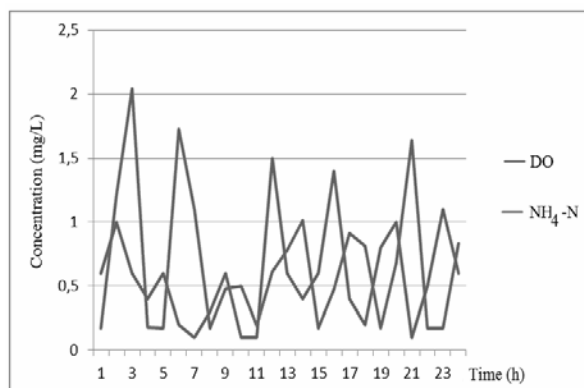


Key words: SBA-Pr-NH₂, Pyrano[2,3-c]pyrazoles, Solvent-free,
Solid basic catalyst.

Rev. Roum. Chim., 2018, 63(1), 31-37

Marius-Daniel ROMAN

Aeration control of nitrification process based on
the ammonium concentration in the aeration tank

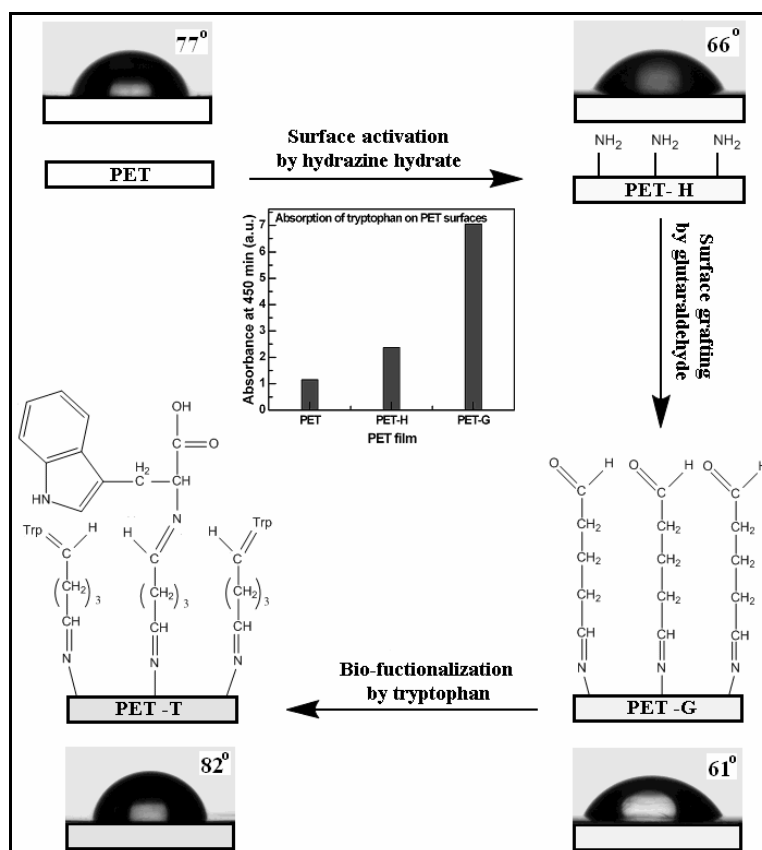


Rev. Roum. Chim., 2018, 63(1), 39-45

Key words: sensor, system control, aeration tank, nitrification zone, measurements.

**Omar MRAD, Munzer NADDAF, Ali ALZIER
and Hossam JAROSH**

Bio-functionalization of PET surface via a facile
chemical method

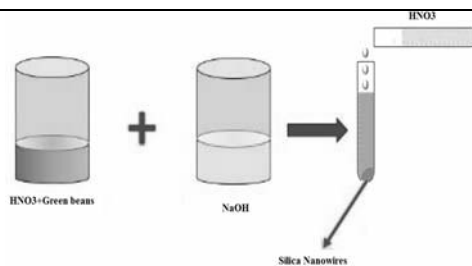


Rev. Roum. Chim., 2018, 63(1), 47-53

Key words: bio-functionalization, PE, grafting, contact angle, FTIR, XPS.

Hamid Reza GHORBANI

The formation of silica nanowires using green beans

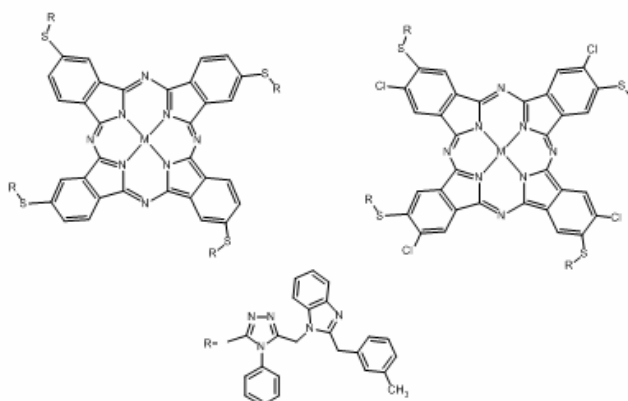


Rev. Roum. Chim., 2018, 63(1), 55-58

Key words: synthesis, silica colloids, green beans, nanowires, UV-Vis spectroscopy.

Günay Kaya KANTAR, Emre MENTEŞE, Fatih Şaban BERİŞ, Selami ŞAŞMAZ and Bahittin KAHVECİ

Synthesis and antimicrobial activity of some new triazole bridged benzimidazole substituted phthalonitrile and phthalocyanines

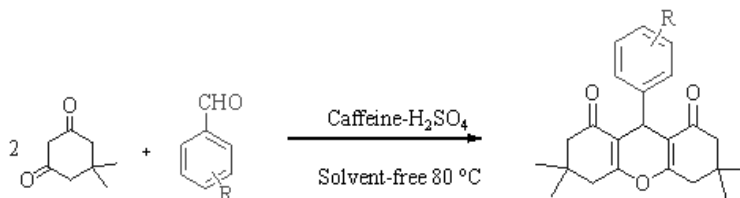


Rev. Roum. Chim., 2018, 63(1), 59-65

Key words: benzimidazole, 1,2,4-triazole, phthalocyanine, phthalonitrile, antimicrobial.

Seyyed Jafar SAGHANEZHAD

Caffeine- H_2SO_4 : An efficient bio-based catalyst for the one-pot preparation of 1,8-dioxo-octahydro-xanthenes

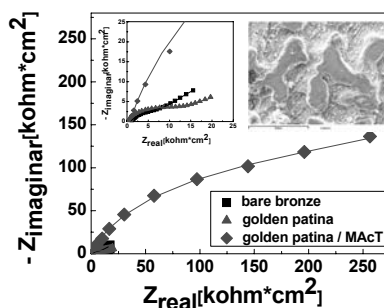


Rev. Roum. Chim., 2018, 63(1), 67-72

Key words: solvent-free, xanthenes, dimedone, caffeine- H_2SO_4 , acidic catalyst.

Julieta D. CHELARU and Liana M. MUREŞAN

Corrosion inhibitors for bronze covered with synthetic golden patina



Rev. Roum. Chim., 2018, 63(1), 73-81

Key words: bronze corrosion, corrosion inhibitors, polarization curves, EIS, patina.

