

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

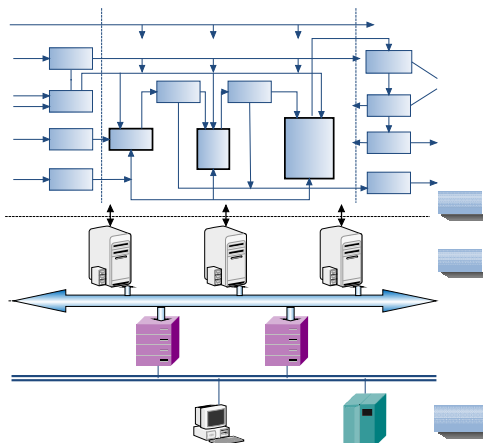
Tome 54, N° 8

Août 2009

REVIEW

Mihai CARAMIHAI, Ioan DUMITRACHE
and Ana Aurelia CHIRVASE

Progress in characterization, modeling and control
of aerobic bioprocess. Part II. Aerobic bioprocess
modeling and control



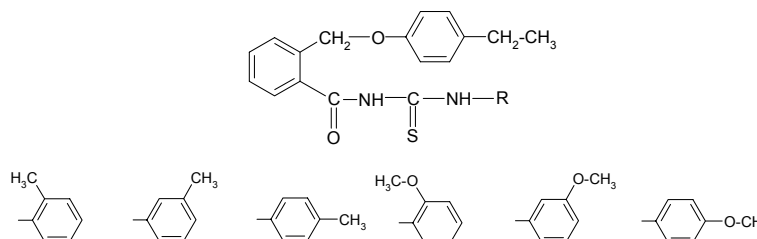
Rev. Roum. Chim., 2009, 54(8), 619-635

Key words: aerobic bioprocess; modeling; control, case study.

PAPERS

Carmen LIMBAN, Alexandru-Vasile MISSIR,
Ileana Cornelia CHIRIȚĂ, George Mihai
NIȚULESCU, Constantin DRĂGHICI,
Miron T. CĂPROIU, Mariana Carmen
CHIFIRIUC and Olgața Nicoleta DRĂCEA

New 2-(4-ethyl-phenoxy)methyl)benzoic acid
thioureides. Synthesis, spectral analyses and
microbiological assay

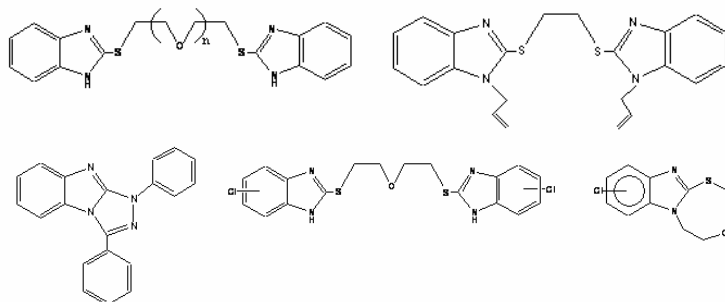


Rev. Roum. Chim., 2009, 54(8), 637-642

Key words: 2-(4-ethyl-phenoxy)methyl)benzoic acid thioureides, ¹H-NMR,
¹³C-NMR, antimicrobial.

Rachid ZNIBER, Ahmed MOUSSAIF,
Redouane ACHOUR, Mostafa EL GHOUL,
Abdelkrim FILALI MALTOUF,
Abdel Illah MEKKAK et
Abdelkamel HARRATA

Activité biologique de dérivés du benzimidazole
Biologic activity of benzimidazole derivatives

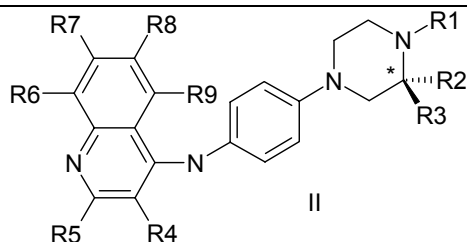


Rev. Roum. Chim., 2009, 54(8), 643-650

Key words: benzimidazole, *Escherichia coli* W 3350, DH 5 α , bacillus
subtilis, polyethylene glycols, catalyse par transfert de phase.

Maria MRACEC, Alexandra GRUIA, Ana BOROTA, Ramona CURPĂN RAD, Liliana HALIP OSTOPOVICI and Mircea MRACEC

QSAR study of a series of quinoline derivatives active on the alpha2 adrenergic receptor subtypes

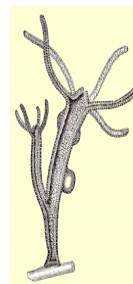


Rev. Roum. Chim., 2009, 54(8), 651-657

Key words: QSAR, MLR, quinoline derivatives, alpha2-adrenergic receptors.

Sergiu Adrian CHICU and Georgeta Maria SIMU

Hydractinia echinata test system. I. Toxicity determination of some benzenic, biphenylic and naphthalenic phenols. Comparative SAR-QSAR study

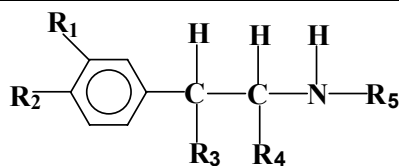


Key words: phenols, *Hydractinia echinata*, M/Clog1/MRC₅₀, Mlog1/IC₅₀, ESIP, SAR, QSAR models, standard toxicity, limited isototoxicity, push-pull electronic mechanism, total molecular symmetry, pseudo-meta conjugation.

Rev. Roum. Chim., 2009, 54(8), 659-669

Emilia AMZOIU, Manuel Ovidiu AMZOIU and Paul Gabriel ANOAIKA

Molecular descriptors for the study of lipophilicity in catecholamine class

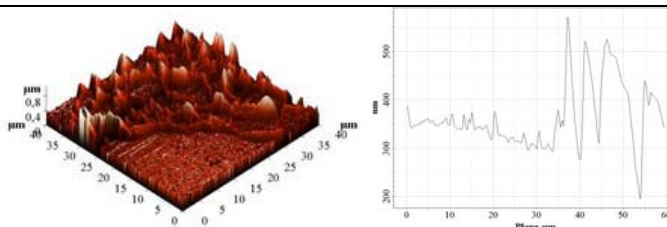


Key words: partition coefficient, catecholamines, QSAR, molecular descriptors.

Rev. Roum. Chim., 2009, 54(8), 671-675

Mihaela AVĂDĂNEI, Elena Gabriela HITRUC and Cornelia LUCA

Spectral and AFM studies on UV-crosslinked films of poly(4-vinylpyridine) derivatives

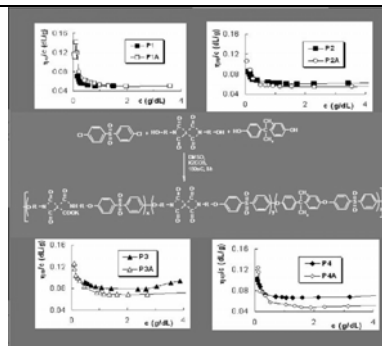


Key words: poly(4-vinylpyridine), quaternized poly(4-vinylpyridine), photocrosslinking; photoresist.

Rev. Roum. Chim., 2009, 54(8), 677-683

Manuela CIOBANU, Cristina-Eliza BRUNCHI, Elena PERJU, Vasile COZAN and Maria BRUMĂ

New copoly(ether-imide-sulfone) oligomers having pendant ionic groups

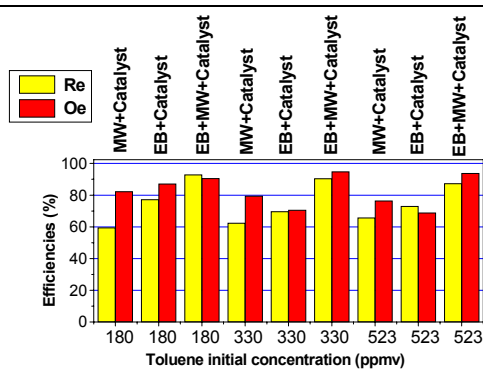


Key words: polycondensation, copoly(ether-imide-sulfone), pendant ionic groups, viscosity.

Rev. Roum. Chim., 2009, 54(8), 685-692

**Ioan CĂLINESCU, Daniel IGHIGEANU,
Diana MARTIN, Constantin MATEI,
Adrian TRIFAN and Constantin OPROIU**

VOC_S removal by combined use of electron beam, microwave and catalyst



Rev. Roum. Chim., 2009, 54(8), 693-698

Key words: Volatile Organic Compounds, electron beam, microwave, catalyst.

**Dana GINGAȘU, Ioana MÎNDRU,
Luminița PATRON, Lucian DIAMANDESCU,
Corneliu Bazil CIZMAȘ and
Ioana FIRĂSTRĂU**

Lithium ferrites obtained by thermal decomposition of ureate complex compounds



Rev. Roum. Chim., 2009, 54(8), 699-704

Key words: lithium ferrite, XRD patterns, Mössbauer spectra.

