

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

Tome 52, N° 4

Avril 2007

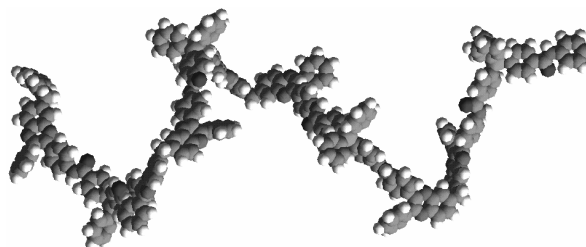
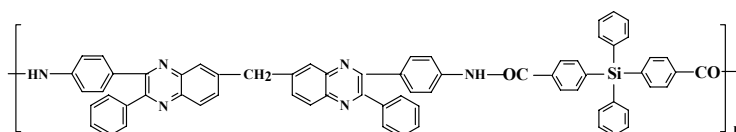
7^{ème} COLLOQUE Franco-Roumain sur les POLYMÈRES
2 – 6 Septembre 2005
Iași, Roumanie

Rev. Roum. Chim., 2007, 52(4), 307

PAPERS

Maria BRUMĂ

High performance polymers containing phenylquinoxaline and silicon in the main chain



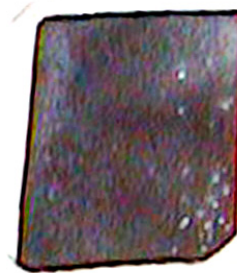
Rev. Roum. Chim., 2007, 52(4), 309–318

Key words: silicon-containing polymers, phenylquinoxaline rings, thin films, high thermostability, blue fluorescence.

Zina VULUGA, Denis Mihaela PANAITESCU, Dumitru Mircea VULUGA, Stela POPOVICI, Michaela IORGA, Diana PĂSĂRIN et Dorel FLOREA

Caractérisation du support macromoléculaire utilisé pour l'épuration des eaux avec du chargement organique

Characterisation of macromolecular support used for purifying waters with organic matter



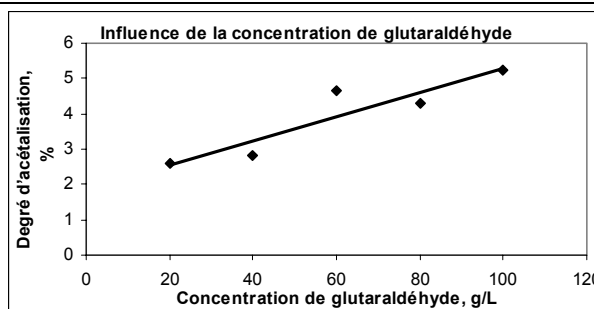
Rev. Roum. Chim., 2007, 52(4), 319–323

Key words: polymer composites, natural filler, electrical properties, biofilm.

Andrei SĂRBU, Ion UDREA, Mariana BEDA et Liliana SĂRBU

Préparation des substrats fibreux pour l'immobilisation des enzymes

Preparation of fibrous supports for the covalent immobilization of enzymes



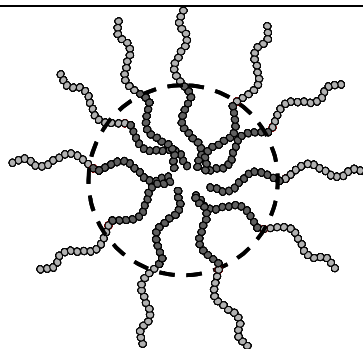
Rev. Roum. Chim., 2007, 52(4), 325–330

Key words: enzyme, covalent immobilisation, fibre.

**Emmanuel LANDREAU, Youssef AGUNI,
Yves CHEVALIER et Thierry HAMAIDE**

Stabilisation de nanoparticules polymères en dispersion aqueuse par des copolymères à blocs PEG-PCL

Stabilisation of polymer nanoparticles in aqueous dispersions by using PEG-PCL block copolymers



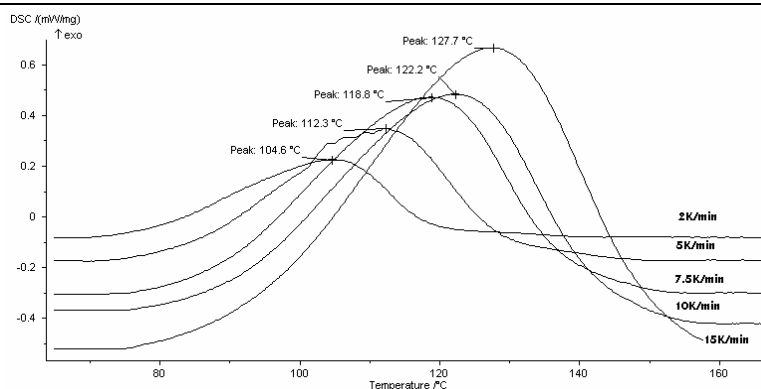
Rev. Roum. Chim., 2007, 52(4), 331–337

Key words: block copolymers, polymer nanoparticles, stabilisation.

**Geza BANDUR, Lucian RUSNAC, Avram PETREAN, Gerlinde GRANDTNER,
Nicoleta PLEȘU et Marc J. M. ABADIE**

L'étude de la réactivité de quelques monomères acryliques et méthacryliques avec un double lien

Reactivity studies for some acrylic and methacrylic monomers with one double bond



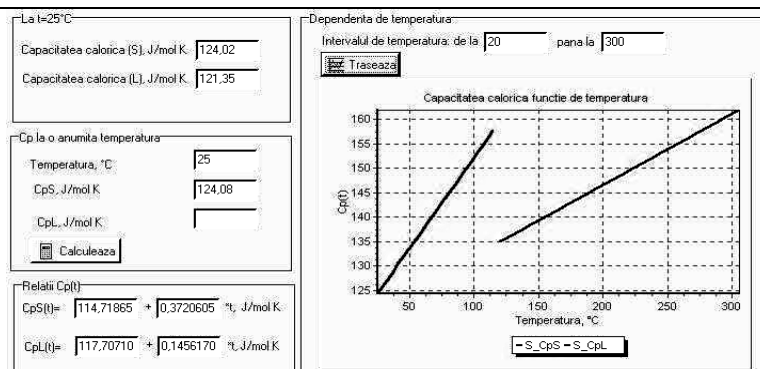
Key words: acrylates, methacrylates, reactivity, photopolymerisation, thermal polymerisation.

Rev. Roum. Chim., 2007, 52(4), 339–344

**Claudiu Daniel UȚOIU, Iosif Dan ROȘCA,
Nicoleta Doriană STANCU et
Dumitru Mircea VULUGA**

Modélisation numérique des propriétés des polymères

Computational modeling of polymer properties



Rev. Roum. Chim., 2007, 52(4), 345–350

Key words: QSPR, physical properties, polymers, topology, graph.

**Delphine CLAUDEL, Alexandre GALODE,
Philippe DRONE, Nathalie LEBLANC,
Michel CASTANDET et Richard GATTIN**

Incorporation de Luzerne dans des formulations à base d'extraits de céréales: développement de matériaux biodégradables

Incorporation of alfalfa in cereal extracts-based formulations: development of biodegradable materials

Élaboration de l'agro-matériau par extrusion

Mise en forme de la capsule par thermoformage

Remplissage de la capsule

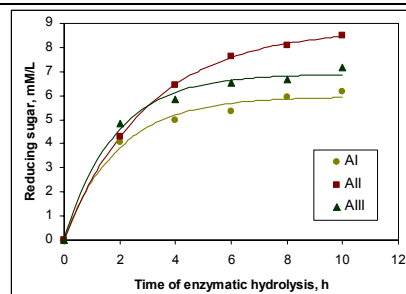
Soudage d'une plaque d'agro-matériau avec la capsule

Key words: alfalfa, cereal extracts-based formulations, biodegradable materials.

Rev. Roum. Chim., 2007, 52(4), 351–360

Diana CIOLACU and Valentin I. POPA

The correlation between the reactivity and the supramolecular structure of allomorphs of cellulose



Key words: enzymatic degradation, *Trichoderma reesei*, cellulose allomorphs, X-ray diffraction.

Rev. Roum. Chim., 2007, 52(4), 361–366

Zina VULUGA, Dan DONESCU, Constantin RADOVICI, Sever ȘERBAN, Dumitru Mircea VULUGA, Cristelle DELAITE et Mircea TEODORESCU

Étude de compatibilité polymère/silicate stratifié dans les nanocomposites à matrice de polystyrène

Study of the compatibility polymer/layered silicate in nanocomposites with polystyrene matrix



Key words: cloisite, nanocomposites, compatibility, natural silicate.

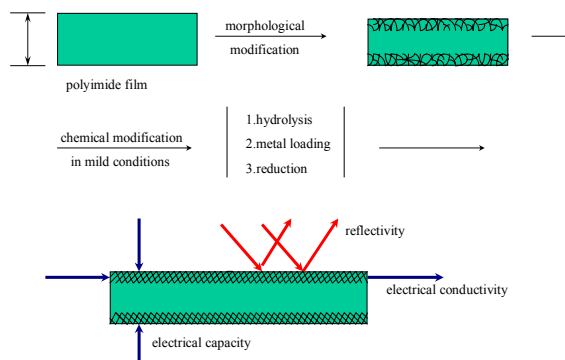
Rev. Roum. Chim., 2007, 52(4), 367–374

Saule K. KUDAIKULOVA, Vitali L. LIPIK, Vanda Yu. VOYTEKUNAS, Alain PERICHAUD et Marc J. M. ABADIE

Metallisation de films polyimide. Mise au point du traitement chimique

Metallization of polyimide films. Development of the experimental conditions

PRINCIPLE OF THE TECHNOLOGY FOR METALLIZATION OF POLYIMIDE FILMS (ICS in co-operation with MontpU)

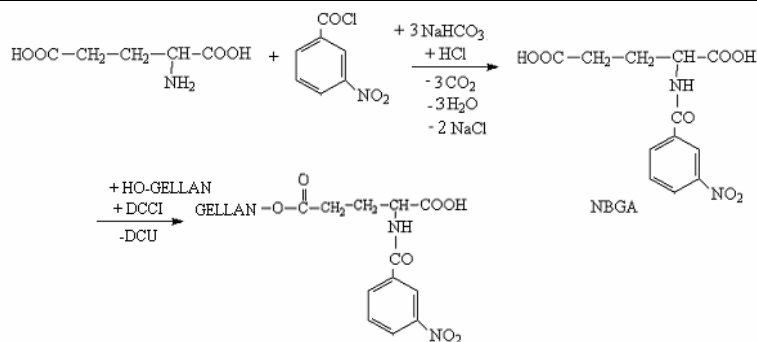


Key words: chemical metallization, polyimide films.

Rev. Roum. Chim., 2007, 52(4), 375–381

Daniela Mihaela DUMITRAȘ, Marcel POPA and Valeriu ȘUNEL

Synthesis of N-(3-nitrobenzoyl)-glutamic acid and its immobilization by esteric bond on gellan



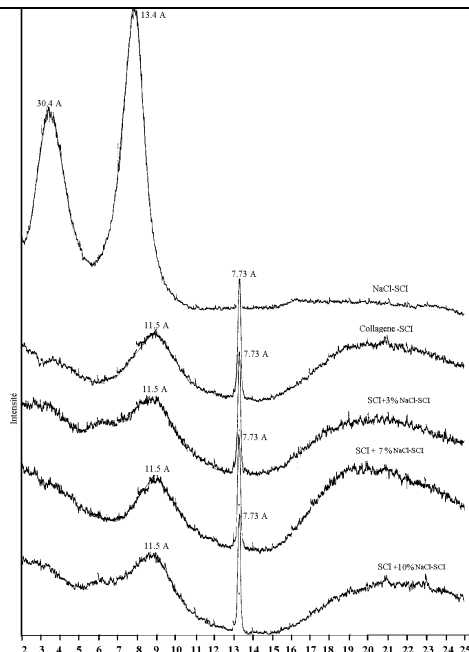
Key words: aminoacid derivative, immobilization, controlled release, gellan.

Rev. Roum. Chim., 2007, 52(4), 383–392

**Zina VULUGA, Dan DONESCU,
Viorica TRANDAFIR,
Constantin RADOVICI et Sever ȘERBAN**

L'influence de la morphologie des extraits de collagène sur les propriétés des nanocomposites à silicates naturels

The influence of the morphology of collagen extracts on the properties of the nanocomposites with natural silicates



Rev. Roum. Chim., 2007, 52(4), 393–402

Key words: collagen, nanocomposites, morphology, natural silicate.

**Laurent LEBRUN, Eric Da SILVA et
Michel MÉTAYER**

Élaboration d'une membrane à caractère bipolaire: influence du procédé d'assemblage sur les propriétés majuscules

Elaboration and characterization of a membrane with bipolar behaviour: influence of the process of junction



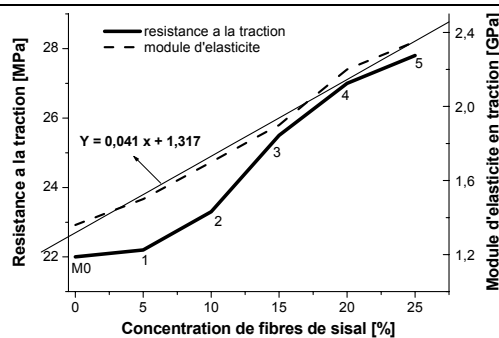
Key words: ion-exchange membranes, bipolar membrane, semi-interpenetrating Polymer Network, poly(vinyl alcohol).

Rev. Roum. Chim., 2007, 52(4), 403–408

**Denis Mihaela PANAITESCU,
Michaela IORGA, Zina VULUGA,
Dan DONESCU, Maria DAN,
Sever ȘERBAN et Dorel FLOREA**

L'effet de l'interface dans les composites de fibres naturelles et de matières plastiques

Effect of interface in natural fibre-polymer composites

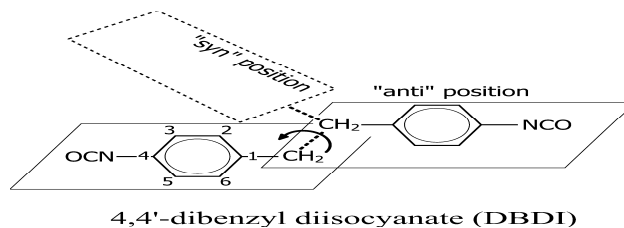


Rev. Roum. Chim., 2007, 52(4), 409–414

Key words: interface, polymer composites, natural fibers.

**Cristina PRISĂCARIU, Elena SCORTANU,
Gabriela Elena HITRUC and
Adrian A. CARACULACU**

New trends in the synthesis and properties of polyurethane and polyurethane-urea elastomers based on dibenzyl diisocyanate



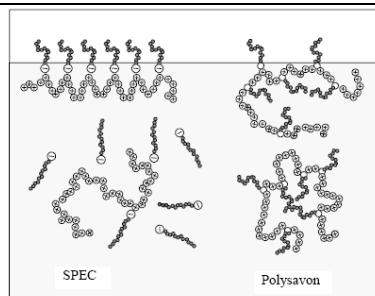
Rev. Roum. Chim., 2007, 52(4), 415–422

Key words: polyurethanes, dibenzyl, oxadiazole, pyridine structure, mechanical properties.

Jacques DESBRIERES, Cécile BOUSQUET
et Valéry G. BABAK

Propriétés interfaciales de systèmes
amphiphiles ioniques à base de polysaccharides

Interfacial properties of ionic amphiphilic
systems based on polysaccharides



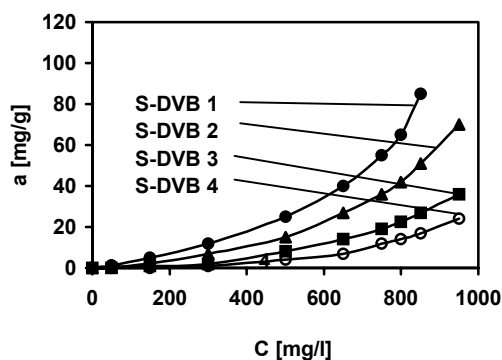
Key words: polysaccharides, amphiphilic systems,
polyelectrolyte-tensioactive complex (SPEC), interfacial
properties, dynamic tensiometry.

Rev. Roum. Chim., 2007, 52(4), 423–430

Violeta NEAGU, Ion UNTEA,
Elena TUDORACHE et Cristina ORBECI

Étude thermodynamique concernant
l'adsorption du phénol des solutions aqueuses
sur copolymères styrène-divinylbenzène

Thermodynamic study of phenol sorption from
aqueous solutions on styrene-divinylbenzene
copolymers

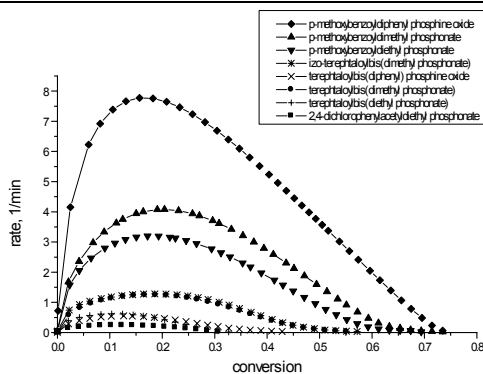


Key words: macroporous styrene-divinylbenzene copolymers, phenol,
sorption capacity.

Rev. Roum. Chim., 2007, 52(4), 431–435

Lavinia MACARIE, Geza BANDUR and
Gheorghe ILIA

Comparative study of the photoinitiating
reactivity of the acylphosphonates and
acylphosphine oxides

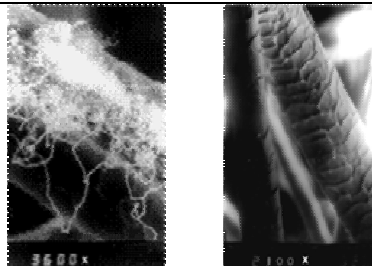


Key words: photoinitiators, photo-DSC, radical polymerization,
acylphosphonates, acylphosphine oxides.

Rev. Roum. Chim., 2007, 52(4), 437–440

Ghiocel IOANID, Aurelia IOANID and
Dorina PARPAUTA

New tendencies in restoration-conservation:
the HF plasma. II. Decontamination treatment
in cold plasma



Key words: photoinitiators, photo-DSC, radical polymerization,
acylphosphonates, acylphosphine oxides.

Rev. Roum. Chim., 2007, 52(4), 441–447