

POSTER SESSION

Wednesday, December 5. 19:00 - 21:30

POLYMERIZATION AND POLYMER CHEMISTRY

POLYMERIZATION

S.López, C.V.Reyes, J.Torres, H.Maldonado, R.Guerrero, J.R.Torres Centro de Investigación en Química Aplicada, Mexico

“Living Free Radical Polymerization of Butyl Acrylate Mediated by $(\eta^5\text{-C}_5\text{Me}_5)\text{RuCl}(\text{PPh}_3)_2$ ”

J.R.Cerna¹, G.Morales¹, G.N.Eyler², A.I.Cañizo² ¹Centro de Investigación en Química Aplicada, Mexico, ²UNCPBA, Argentina

“New Multifunctional Initiators to be Used in Polystyrene Production”

A.Avila, H.Vázquez, Universidad Autónoma Metropolitana-Iztapalapa, Mexico

“Synthesis and Homo- and Copolymerization of 2-Vinyldibenzothiophene with Styrene”

W.D.Cook¹, T.F.Scott¹, J.S.Forsythe¹, K.A.Berchtold², C.N.Bowman², ¹Monash University, Australia. ²University of Colorado, USA

“Photopolymerization Kinetics of Vinyl Ester Resins.”

A.Pineda, M.A.Tlenkopatchev, Instituto de Investigaciones en Materiales, UNAM, Mexico

“Metathesis Polymerization of N-Cycloalkylnorbornedicarboxyimide.”

T.Fukushima, M.Tabata, T.Sone, Y.Sadahiro, Hokkaido University, Japan

“Stereoregular Polymerization of (*N*-*n*-octyl-3-carbazoyl)acetylene Induced with a [Rh(norbornadiene)Cl]₂ Catalyst”

A.Miyasaka, M.Tabata, T.Sone, Y.Sadahiro, Hokkaido University, Japan

“Stereoregular Polymerization of 2-Ethynyl-3-*n*-octylthiophene Induced with a [Rh(norbornadiene)Cl]₂ Catalyst. Formation of *cis* and *trans* Conjugation Sequences”

R.Cuatepotzo¹, M.Albores¹, E.Saldivar² ¹Facultad de Química, UNAM, ²Centro de Investigación y Desarrollo Tecnológico S.A. de C.V., Mexico

“New Substituted Aromatic Nitroxides. Electronic and Steric Effects on the Control of the Molecular Weight and Polydispersity of Polystyrene in “Living” Free Radical Polymerization”

J.A.Tenorio, R.Herrera, C.Montiel Facultad de Química, UNAM, Mexico

“Simulation of Anionic Polymerization of Butadiene”

R.A.Cancino, F.M.Rabagliati, F.J.Rodríguez, Universidad de Santiago de Chile, Chile

“Styrene Copolymerization Using Ph₂Zn-Metallocene-Mao Initiator Systems. Effect of the Alkylaluminium Content on Styrene / 1-Alkene Copolymerization”

M.A.Pérez, F.M.Rabagliati, C.J.Caro, Universidad de Santiago de Chile, Chile
"Copolymers of Styrene / Substituted Styrene Using Ph_2Zn -Metallocene-Mao Systems. Synthesis and Characterization"

W.Chen, Z.Jing, Chinese Petrochemical Corporation. China.
"Preparation and Application of Metallocene Adduct in Olefin Polymerization."

A.I.Cañizol, G.N.Eylerl, G.Morales, J.R.Cerna, CIQA, Mexico.
"Thermolysis of Diethylketone Triperoxide (3,3,6,6,9,9-hexaethyl-1,2,4,5,8-hexaoxacyclononane) in Solution and its Application as Initiator of Polymerization."

Jong-Wook Ha, In Jun Park, Dong-Known Kim, and Soo-Bok Lee. Interface Materials and Engineering Lab., Korea Research Institute of Chemical Technology, South Korea.
"Preparation and Characterization of Core-Shell Latex Containing Perfluoroalkyl Acrylate in the Shell"

ANIONIC POLYMERIZATION

N. Terán, M.E.Estrada, T.Ogawa*, Inst. Inv. Materiales, UNAM. Mexico.
"Anionic Polymerization of Acrylonitrile with Trivalent Phosphorus Initiators."

N.Haraguchi, A.Hirao, Tokyo Institute of technology, Japan.
"Anionic Synthesis of Multi-Functionalized Polymers with Benzoyl Bromide Moieties and their Applications to Branched and Functionalized Polymers."

M.Herrera-Alonso, S.Corona Galvan, R.Herrera Najera, Synthesis of a-and a,c, Funcionalized Polybutadieenes using Funcionalized Initiator"

V.A.Escobar Barrios¹, J.M.Biseño Matinez² ¹DynasolElastómeros, ² Instituto Tecnológico de Ciudad Madero, Mexico.
"Ether Based Modifier in Anionic Synthesis of Styrene-Buradiene Copolymers."

R.Flores, M.Garcia, Dynasol Elasttómeros, Mexico.
"Effect of Thermoplastic Rubber SBS Content in the Performance of Asphalt Binders."

MODELING OF POLYMERIZATION

Q. Liu¹, K. B. McAuley¹, M. Cunningham¹, and J. Puskas², Dept. Chem. Eng., Queen's U., Macromolecular Eng. Res. Centre, Dept. Biochem. Eng., U. Western Ontario, Canada,
"Mathematical Modelling and Parameter Estimation in Living Isobutylene Polymerization".

A. Quintero-Ortega¹, E. Vivaldo-Lima¹, and G. Luna-Bárcenas², ¹Dept. Chem. Eng. Faculty of Chemistry, UNAM, ²CINVESTAV, Querétaro, México,
"Preliminary Modeling of the Free-Radical Copolymerization Kinetics of Styrene/Divinylbenzene in CO_2 at Supercritical Conditions, Assuming an Emulsion Process".

E. Vivaldo-Lima, A. J. Mendoza-Fuentes, C. Flores-Cataño, and E. Saldívar, ¹Dept. Chem. Eng. Faculty of Chemistry, UNAM, ²CID-GIRSA, Lerma, Mexico,
“Effects of Diffusion-Controlled Reactions on Controlled/’Living’ Radical Polymerization: The Iniferter, Raft, and Nitroxide Mediated Polymerization (NMP) Processes”.

J. M. Vivero and C. F. Jasso, Universidad de Guadalajara, Mexico,
“Kinetic Modeling for the Curing Process of an UPR at Industrial Conditions”.

M. Roa-Luna, E. Vivaldo-Lima, and E. Saldívar, ¹Dept. Chem. Eng. Faculty of Chemistry, UNAM, ²CID-GIRSA, Lerma, Mexico,
“Experimental Study on Thermal Crosslinking of Polybutadienes”.

POLYMER SYNTHESIS

L.Fomina, B.Porta, S.Fomine, Instituto de Investigaciones en Materiales, UNAM.
“Novel Substituted 1-Amino-4,5,8-Naphthalenetetracarboxylic Acid-1,8-Lacta,-4,5-Imides: Experimental and Theoretical Study.”

P.Guadarrama, L.Fomina, S.Fomine, Instituto de Investigaciones en Materiales, UNAM, Mexico.
“Solid-Supported Synthesis of Hyperbranched Polymer with Discrete Conjugates Units.”

O.Urzúa¹, A.Licea-Claverie¹, L.Cota², F.Castillon², ¹Instituto Tecnológico de Tijuana, ²Universidad de Sonora, Mexico.
“Development of Silica-Surface Reactive Polymers Bearing Tertiary Phosphine Groups.”

R.Mendoza-Serna¹, J.Mendez-Vivar², R.Rosas-Cedillo², A.E.Sanchez-Flores¹, A.Dias-Martínez¹,
¹FEZ-Zaragoza, UNAM, ²Universidad Autónoma Metropolitana, Mexico.
“Spectroscopic Study of SiO₂-Al₂O₃-TiO₂ Obtained from a Polymeric System.”

K-M Kim, Y.Chujo, Kyoto University, Japan
“Synthesis of organic-Inorganic Hybrid Gels Having Functionalized Silsesquioxanes by Formation of Ruthenium-Bipyridyl Complex”

K.Naka, T.Nemoto, Y.Chujo, Kyoto University, Japan
“Controlled Polymerization of Activated Amino Acid Esters by Metal Chelate”

Y.Morisaki, Y.Chujo, Kyoto University, Japan
“Synthesis of Novel Through-Space π -Conjugated Polymers Having [2,2]Paracyclophane in the Main Chain”

S.K.Kim, M.H.Lee, Y.Han, S.Park, Y.Do, Korea Advanced Institute of Science and Technology, Korea
“Well-Defined Dinuclear Group 4 Metal Complexes: Highly Performing Metallocene Catalysts for Ethylene Polymerization”

M.Miyata, Y.Chujo, Kyoto University, Japan
“Synthesis of Heteroatom Main Chain π -Conjugated Organoboron Polymers”

F.G.Mosqueira¹, S.Ramos-Bernal², A.Negrón-Mendoza²
¹Dirección General de Divulgación de la Ciencia, UNAM, Mexico
²Instituto de Ciencias Nucleares, UNAM, Mexico
“A Model for Thermal Polymerization of Amino Acids”

M.A.Gallardo-Vicencio¹, M.S.Chumacero-Treviño², R.Antonio-Cruz¹, A.M.Mendoza,¹ Instituto Tecnológico de Ciudad Madero, ²Petrocel-Temex,S.A., Mexico
“Synthesis and Characterization of an Aromatic Polyol Polyester for Lamination”

A.M.Mendoza-Martínez¹, I.Contreras-López¹, B.Dunn², A.Alvarez-Castillo^{2,3}
¹Instituto Tecnológico de Ciudad Madero, Mexico
²University of California, USA ³Instituto Tecnológico de Zacatepec, Mexico
“Synthesis and Characterization of a New Hybrid Composite Based on Silica and Poly(Cupc-Co-Eo)”

M.Reihmann, H.Ritter, M.Tabatabai, Johannes Gutenberg-Universität Mainz, Germany
“Environmental Friendly Polymerization Processes Using Horseradish Peroxidase and Cyclodextrin”

K.T.Lim, M.Y.Lee, H.S.Hwang, Pukyong National University, Korea
“Synthesis and Properties of Well-Defined Poly(dimethyl siloxane)-b-poly(2-hydroxyethyl methacrylate) by GTP”

D.-J.Liaw, C.-C.Huang, P.-L.Wu, National Taiwan University of Science and Technology, Taiwan
“Synthesis and Characterization of Novel Diblock Copolymers Derived from 5-(Methylphthalimide)bicyclo[2.2.1]hept-2-ene and 1,5-Cyclooctadiene Using ROMP”

M.Nithitanakul, G.C.East, Chulalongkorn University, Thailand,
"Synthesis of some Alternating Copolymers and Polyesterimides from Reaction of Dicaesium Salts with Dibromo Compounds."

P.Ponce, S.Fomine, Instituto de Investigaciones en Materiales-UNAM, Mexico
“Synthesis and Polymerization of Macrocylic Lactamamide Esters”

G.Lopitiaux¹, X.Coqueret¹, F.Boursereau², G.Larnac², ¹Univ.Sci.Tech.De Lile, ²EADS, France.
“Electron Beam Irradiation of Nitrile Rubber: Modeling the Evolution of Ultimate Properties on Aging.”

M.M.Téllez¹, V.H.Ponce¹, R.González¹, R.Benavides², J.C.Ortiz¹ ¹Universidad Autónoma de Coahuila, ²Centro de Investigación en Química Aplicada, Mexico
“Correlation between Environmental and Accelerated Degradation of Highly Loaded Polypropylene”

V.P.Hoven¹, S.Pengorapat¹, T.J.McCarthy², ¹Chulalongkorn University, Thailand
²University of Massachusetts, USA
“Network Formation at Natural Rubber/Vinyl-Containing Silica Interfaces”

D.López¹, G.Burillo², C.Guarneros¹, ¹Benemérita Universidad Autónoma de Puebla,
²Instituto de Ciencias Nucleares, UNAM, Mexico
“Study of the Quaternization of Polymer Amines-g-PP”

R.Benavides, A.Rendón, G.Arias ¹Centro de Investigación en Química Aplicada, Mexico

“Colour Changes During Degradation of PVC Stabilised With Ca/Zn Additives”

J.Villegas¹, R.Olayo², J.Cervantes¹, ¹Universidad de Guanajuato, ²Universidad Autónoma Metropolitana-Iztapalapa, Mexico

“GPC/LS Analysis of the Photochemical Stability of Poly(Ferrocenylmethylsilane-Co-Phenylmethylsilane)”

O.Palacios, R.Aliev, G.Burillo Instituto de Ciencias Nucleares, UNAM, Mexico

“Radiation Grafting of N-Isopropylacrylamide and Acrylic Acid from their Binary Mixtures onto Polytetrafluoroethylene Films”

M.Román-Aguirre, E.A.Zaragoza-Contreras, A.Márquez-Lucero Centro de Investigación en Materiales Avanzados, S.C., Mexico

“Graft Copolymerization of Methyl Methacrylate onto Wood Fiber Using an Initiation Redox System Sodium Methabisulfite / Potassium Peroxodisulfate”

S. Schilick, University ofetroit, USA.

"1D and 2D ElectronSpin Resonance Imaging of Degradation and Stabilization of Polymers."

J.G.Martínez¹, R.Benavides¹, C.Guerrero², B.E.Reyes¹ ¹Centro de Investigación en Química Aplicada, ²Universidad Autónoma de Nuevo León, Mexico

“Grafting of Maleic Anhydride onto UV Pre-Irradiated Polyethylenes”

M.Rabelero¹, S.López-Cuenca¹, G.Canché², J.E.Puig¹, E.Mendizabal¹, ¹Universidad de Guadalajara, ²CICY, Mexico. “High Content Core Shell Microlatex of PST/PBA Prepared by Microemulsion Polymerization.”

M.Ballico, G.M.Bonora, S.Drioli, University of Trieste, Italy.

"Synthesis of Muktilaer PEG Polymeric Sequence through Selective End Group Protection and Activation."

FUNCTIONAL POLYMERS

U.Giegerich, J.Wüst, B.-J.Jungnickel, Deutche Kunststoff-Institut, Germany,

"The Stability of Ferroelectric Polarization in PVDF upon Irradiation"

H.Tsutsui, M.Moriyama, R.Ishii, M.Mikami, A.Komura, R.Akashi, Fuji Xerox Co.Ltd., Japan.

“Novel Light Modulating Polymer Gel Materials Imitating Pigment Cell.”

H.Y.Wang, J.H.Liu, National Cheng Kung University, Taiwan.

“Fabrication and Characterization of Light-Amplifying Gradient Refractive Index Plastic Rod:”

G.Robledo¹, A.M.Mendoza¹, T.Ogawa², ¹Instituto Tecnológico de Ciudad Madero, ²Instituto de Investigaciones en Materiales-UNAM, Mexico.

“Morphological Studies on the Formation of Organic Nanocomposites in Host Polymers”

A.Sanchez¹, A.M.Mendoza¹, A.Ruiz², S.Hernández², T.Ogawa², ¹Instituto Tecnológico de Ciudad

Madero, ²Instituto de Investigaciones en Materiales, UNAM, Mexico.
“Poly(dipropargyloxybenzoates) containing *p*-Nitro-*p'*-*N,N*-diethanolaminoazo-benzene Chromophore.”

J.Percino¹, V.M.Chapela¹, J.Flores¹, R.Ortega-Martinez², A.A.Rodriguez², ¹Universidad Autónoma de Puebla, ²Centro de Instrumentos-UNAM, Mexico.
“Some Molecules of Phenylamino Derivatives with Lambda-Shape Conformation which Exhibit Second Harmonic Generation Properties.”

V.M.Chapela¹, J.Percino¹, V.Serkin¹, A.Jiménez¹, R.Ortega-Martinez², A.A.Rodriguez²,
¹Universidad Autónoma de Puebla, ²Centro de Instrumentos-UNAM, Mexico.
“Polymerization Kinetics of the @-(+)-*a*-Methylbenzylmethacryloylamine to Obtain Polymers with Probable NLO Properties.”

M.F.Beristain, T.Ogawa, IIM-UNAM, Mexico.
"Polymerization of Aromatic Diacetylenes in amorphous state, and Optical Properties of Products."

S.Hernandez, T.Ogawa, IIM-UNAM,
"Synthesis and Characterization of some poly(hexa-2,4-diynylene-1,6-dioxydibenzoate)s containing azo dyes."

J.Arias¹, T.Ogawa¹, T.Isoshima², IIM-UNAM¹, Mexico, Res. Inst. Phys. Chem². Japan,
"Polymeric Systems Containing Rhodamine Dyes and their Third Order NLO Susceptibility Determined by Electroabsorption Spectroscopy."

M.Gutierrez, P.Carreon, J.L.Gallani, D.Guillon, P.Masson, J.F.Nierengarten, Inst. Phys. Chem. Mateériaux de Strasbourg, France
“Synthesis of Amphipatic Polyesters Carrying Fullerene Moieties and their Use in Langmuir-Blodgett Films.”

S.Y.Cho, J.H.Hong, H.S.Park, J.P.Wu, Myongji University, Korea.
“Synthesis and Characterization of Flame Retardant Aqueous Polyurethane Dispersion Using Dimethyl Phenylphosphate.”

E.Anleu, J.Cardoso, Universidad Autónoma Metropolitana-Iztapalapa, Mexico.
“Removal of Heavy Metals from Waste Water.”

D.Pacheco, M.Smit, CICY, Mexico,
"Electrosynthesis of Intrinsically Electroconductive Copolymers."

J.Percino, V.M.Chapela, A.Jiménez, Universidad Autónoma de Puebla, Mexico.
“Polymerization of the 4-(P-Methacryloylaminophenylazo)-phenylarsonic Acid and P-Methacryloylaminobenzilphosphonate in its Sodium Form to Obtain New Polyelectrolites.”

M.M.Castillo-Ortega¹, J.C.Encinas¹, D.E.Rodriguez¹, R.Olayo², ¹Universidad de Sonora, ²Universidad Autónoma Metropolitana, Mexico.
“Preparation and Characterization of Electroconductive Polypyrrole-Thermoplastic Composites: H₂O₂ and NH₃ Sensors.”

T. Del Castillo-Castro¹, M.M.Castillo-Ortega¹, R.Olayo², E.Bogarin¹, C.Rivera¹, C.Nafarrete¹¹

Universidad de Sonora, ²Univ. Autónoma Metropolitana, Mexico.

“Preparation and Characterization of Electrically Conducting Polymeric Composites Obtained by Extrusion.”

D.E.Rodriguez-Félix¹, M.M.Castillo-Ortega¹, J.C.Encinas¹, M.G.Angulo¹, O.Arrizón¹, F.A.Méndez-Velarde², ¹Universidad de Sonora, ²Hospital Infantil del Estado de Sonora, Mexico

“Conducting Polyaniline Films with Potential Application in Sensors for Uric Acid and Urea.”

J.L.Angulo Sanchez, E.Flores Loyola, J.Romero garcia, R.Cruz Silva, CIQA, Saltillo, Mexico.

"Nanomaterials Based on Zeolite and Polianiline"

R.G.Ruiz-Moreno¹, L.A.García-Cerda², O.Rodriguez-Fernández², R.Betancourt-Galindo², ¹Instituto Tecnológico de Saltillo, ²Centro de Investigación en Química Aplicada, Mexico.

“Structural, Mechanical and Magnetic Properties of Magnetite/Polymer Composites”

O.S.Rodriguez-Fernández¹, P-Sifuentes¹, L.Ramos de Valle¹, J.Matutes-Aquino², O.Ayallla-Valenzuela², D.Rios-Jara², ¹Centro de Investigación en Química Aplicada, ²CIMAV, Mexico.

“Hybrid Magnetic Materials Based on Polymers and Magnetic Fillers.”

L.A.García-Cerda¹, O.Rodriguez-Fernández¹, R.G.Ruiz-Moreno², ¹Centro de Investigación en Química Aplicada, ²Instituto Tecnológico de Saltillo, Mexico.

“Preparation of Magnetic Materials by Polymerized Complex Method.”

M.P.Carreon¹, J.L.Gallani², J.F.Ekert, D.Felder, Y.Rio, D.Guillon, J.F.Nierengarten, ²Inst. Phys. Chem. des Matériaux de Strasbourg, France, ¹Inst. Ciencias Nucleares, UNAM, Mexico.

“LB Films with Amphiphilic Fullerene Derivatives for Materials Science Application.”

S-H.Hsiao, T-L.Huang Tatung University, Taiwan

“Synthesis and Properties of Novel Polyimides Based on a Benzonorborene Dietheramine”

G-S.Liou¹, S-H.Hsiao² ¹I-Shou University, ²Tatung University, Taiwan

“Synthesis and Properties of Aromatic Polyester-Amides with Pendant Phosphorus Groups”

C-P.Yang, S-H. Hsiao Tatung University, Taiwan

“Synthesis and Characterization of Soluble Fluorinated Polyimides Based on 4,4'-Bis(4-Amino-2-Trifluoromethylphenoxy)biphenyl”

N.Minoura, A.Rachkov, T.Shimizu National Institute of Advanced Industrial Science and Technology (AIST), Japan

“Synthesis and Photoisomerization of Soluble Polymers Containing Phenylazoacrylanilide”

A.C de Castro¹, F. de C.Oliveira¹, A.M.G.Plepis¹, J.Schneider¹, U.P.Rodrigues-Filho¹, J-J.Pireaux²
¹Universidade de São Paulo, Brazil, ²Facultés Universitaires Notre-Dame de la Paix, Belgium

“Phosphotungstic Acid Nanocomposites in Cellulose Acetate Matrix: Multitask Materials”

J-H.Kim, H.S.Kim, Y-S.Lim, M-S.Kim Myongji University, Korea

“Preparation and Characterization Glassy Carbon by Polymerization and Heat Treatment of Furanic Resin”

T-C.Chang

Chung Yuan Christian University, Republic of China

“Study on the Synthesis and Properties of Side Chain Liquid Crystalline Polyoxetane”

J.W.Lee, J-I.Jin, Korea University, Korea

“Study on the Self-Assembled Aromatic Polyesters Having PEG Groups”

R.K.Spooner, H.Masui, Kent State University, USA

“Ionic Conductivity Studies of PEO-Silica Hybrid Glasses”

K.Lee, J.Bae, J.Kim, Sungkyunkwan University, Korea.

“Synergistic Effect of Triphenyl Phosphate & Epoxy Resin Mixtures on Flame Retardancy for ABS.”

L.M.Leung, C.G.Kwong, S.K.So, Hong Kong Baptist University, Hong Kong PRC,

“Effect of Dopant in Polymer Thin Film Organic Light Emitting Diodes (PTF-OLED)”

B.L.Rivas, S.Villegas, Universidad de Concepción, Chile.

"Synthesis, Characterization, and Metal Ion Retention Properties of Resins Containing Carboxylic Acid, Pyridine, and Ammonium Groups."

A.Alvarez-Castillo^{1,2}, A.M.Mendez-Martínez³, I Contreras-Juárez³, B.Dunn²,

¹Inst. Tecnológico de Zacatepec, ²Univ. California Los Angeles, ³Inst. Tec. Cd. Madero, Mexico.

"Nanocomposites Based on Phthalocyanine Discotic Polymer and Silica Gel."

SENSITIVE POLYMERS AND SMART GELS

Y. Takeoka, T. Imai, M. Watanabe, Department of Chemistry and Biotechnology, Yokohama, National University, 79-5, Tokiwa-dai, Hodogaya-ku, Yokohama 240-8501, JAPAN.

“Frustrations in polymer conformation in polyampholyte gels and their minimization”

A. Richter^a, K.-F. Arndt^b, W. Krause^a, D. Kuckling^c, S. Howitz^d

a.-Institut für Feinwerktechnik, TU-Dresden, D-01062 Dresden, b.-Institut für Physikalische Chemie und Elektrochemie, TU-Dresden, D-01062 Dresden, c.-Institut für Makromolekulare Chemie und Textilchemie, TU-Dresden, D-01062 Dresden, d.-GeSiM mbH Bautzner Landstraße 45, D-01454 Großerkmannsdorf, GERMANY.

“Devices for flow-control based on smart hydrogels”,

T. Schmidt^a, K-F. Arndt^a and R. Reichelt^b,

a.-Institute of Physical Chemistry, Dresden University of Technology, D-01062 Dresden, b.-Institute for Medical Physics and Biophysics, University of Münster, D-48149 Münster, GERMANY.

“Thermo-sensitive Poly(vinyl methyl ether) Micro-Gel formed by High energy Radiation”

D. Nakayama, Y. Takeoka, M. Watanabe, Department of Chemistry and Biotechnology, Yokohama, National University, 79-5, Tokiwa-dai, Hodogaya-ku, Yokohama 240-8501, JAPAN.

“Poly(N-isopropylacrylamide-co-acrylic acid) Gels for guest molecules”

R. Kishi, H. Kihara, T. Miura, Macromolecular Technology Research Center, National Institute of Advanced Industrial Science and Technology (AIST), 1-1-1 Higashi, Tsukuba, Ibaraki 305-8565 JAPAN.

“Structure observation of fast-responsive micro-porous Poly(N-isopropylacrylamide-co-acrylic acid) Gels”

J. M. Cornejo-Bravo^a, A. Licea-Claveríe^b, R. Santos- Rosas^b and M.A. Velazquez-García^a, a.- Universidad Autónoma de Baja California. Calzada Universidad s/n Mesa de Otay, Tijuana B.C. 22000. b.-Centro de Graduados e Investigación del Instituto Tecnológico de Tijuana. A.P. 1166 Tijuana B.C. 22000, MEXICO.

“Propanolol-Carboxyalkylmethacrylates Complexes. Preparation, Characterization and Sustained Release Studies”

R. Salgado-Rodríguez^a, A. Licea-Claveríe^a K.F.Arndt^b, a.-Centro de Graduados e Investigación, Instituto Tecnológico de Tijuana, A.P.1166, 22000 Tijuana, B.C.; MEXICO. b.-Institut für Physikalische Chemie und Elektrochemie, Technische Universität Dresden, D-01062 Dresden, GERMANY.

“Temperature- and pH-sensitive copolymers of N-isopropylacrylamide and partially hydrophobic comonomers”

E. Rogel-Hernández^{a,b}, A. Licea-Claveríe^a, J.M. Cornejo-Bravo^b K.F. Arndt^c, a.- Centro de Graduados e Investigación del Instituto Tecnológico de Tijuana., A.P. 1166, c.p. 22000 Tijuana, B.C. b.- Facultad de Ciencias Químicas e Ingeniería, Universidad Autónoma de Baja California., Calzada Universidad s/n, Mesa de Otay, c.p. 22300 Tijuana, B.C. MEXICO, c.- Institute of Physical Chemistry and Electrochemistry, TU-Dresden., D-01062 Dresden, GERMANY.

“Partially hydrophobic pH-sensitive gels based on methacrylic acid with methylene spacers as side chains”

D. Santos^a, A. Licea-Claveríe^a, K.F.Arndt^b, a.-Centro de Graduados e Investigación, Instituto Tecnológico de Tijuana, A.P.1166, 22000 Tijuana, B.C.; MEXICO. b.-Institut für Physikalische Chemie und Elektrochemie, Technische Universität Dresden, D-01062 Dresden, GERMANY.

“Synthesis and Characterization of new partially hydrophobic polyampholytes”

M. Takemasa^a, A. Chiba^a, M. Date^b, a.-Department of Applied Physics, School of Science and Engineering, Waseda University, 3-4-1, Okubo, Shinjuku, Tokyo, JAPAN. b.-Kobayasi Institute of Physical Research, JAPAN.

“Gelation Mechanism of Carrageenan Gels”,

I. F. Piérola, Universidad a Distancia (UNED), Senda del Rey 9, Facultad de Ciencias, UNED 28040 Madrid, ESPAÑA.

“Poly(N-vinylimidazole) hydrogels. pH response and pH control”

NATURAL AND BIORELATED POLYMERS INCLUDING BIODEGRADATION

C.L.Radiman, A.Putra, Bandung Institute of Technology, Indonesia

“Preparation and Characterization of Nata de Coco Membranes”

C.C.Ho, Asian Institute of Medicine, Science and technology, Malasia

"The influence of Surface Morphology on the Practical Applications of Natural Rubber Latex Film as

Barrier Device."

J.M.Cervantes-Uc¹, H.Vázquez-Torres², J.V.Cauich-Rodríguez³ ¹Universidad Autónoma Metropolitana-Iztapalapa, Mexico, ²Centro de Investigación Científica de Yucatán, Mexico
"Syntheses and Characterization of New Aromatic Methacrylates for Use in the Preparation of Bone Cements"

N.Estrella, E.Balderas, R.Antonio, M.Martínez, Y.Chávez, A.M. Mendoza
Instituto Tecnológico de Ciudad Madero, Mexico
"Effects of Starch on the Reaction Kinetics of Starch-Polyurethane"

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"Chemical Modification of Sugar Cane Bagasse for the Improvement of their Interface with Polystyrene Composites"

J.Combie, Montana Biotech Corp., Denver
"Microbial Adhesive"

M.K.Rodríguez-Díaz, M.Y.Chávez-Cinco, M.Martínez-Mtz, A.M.Mendoza-Mtz., R.C.Antonio-Cruz,
Instituto Tecnológico de Ciudad Madero, Mexico
"Preparation of Cellulose Derivatives Using Natural Fiber"

J.Gracida¹, J.Cardoso², H.Vázquez², F.Pérez-Guevara¹, ¹CINVESTAV IPN, ¹UAM-1, Mexico
"Thermal and Morphological Properties of Biodegradable Blends of PHBHV with PHEMA"

J.Luna-Carlos, A.Oliver, F.Cazaux, X.Coqueret, Université des Sciences et Technologies de Lille, France
"Competing Homopolymerization and Grafting in Electron Beam Irradiated Starch-Allylurea Blends"

K.Aoi¹, M.Okazaki¹, M.Okada², ¹Nagoya University, ²Chubu University, Japan
"Synthesis and Molecular Recognition of a Cylindrical Sugar Ball"

K.S.Jee¹, Y.K.Joung¹, K.D.Park¹, S.H.Kim², Y.H.Kim², ¹Ajou University, ²Korea Institute of Science and Technology, Korea
"Pla-Heparin Conjugate as a Blood / Tissue Compatible Materials"

S.J.Kang¹, H.S.Nam¹, D.J.Chung^{1,2}, ¹Sung Kyun Kwan University, ²Seoul National University, Korea
"Preparation of Polymeric Scaffolds for Bone Regeneration and its Drug Releasing Evaluation"

D.K.Han, Y.M.Ju, K-D.Ahn, Korea Institute of Science and Technology, Korea
"Effect of surface Modification on Biodegradable Porous Polymer Scaffolds for Tissue Engineering"

J.H.Lee, A.K.Ko, K.E.Lee, S.H.Yuk, Hannam University, Korea
"Anti-Inflammatory Drug-Containing PLLA / PEO Block Copolymer Films as Postoperative Tissue Adhesion Barriers"

J.H.Lee¹, S.H.Oh¹, K.H.Lee¹, S.W.Choi¹, W.G.Kim², ¹Hannam University, ²Seoul National University Hospital, Korea

“MMA / MPEOMA / VSA Copolymer as a Blood-Compatible Coating Material”

E.Abuin¹, E.Lissi¹, X.Diaz¹, M.E.Lanio², C.Alvarez², ¹Universidad de Santiago de Chile, Chile,
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"Interaction of Surfactants with Macromolecules."

N.P.Díaz-Zavala, M.Y.Chávez-Cinco, R.C.Antonio-Cruz, A.M.Mendoza-Mtz., M.Martínez-Mtz.
Instituto Tecnológico de Ciudad Madero, Mexico

“Effect of the Starch Concentration on the Kinetics of Polymerization and Biodegradability of Polyurethane-Starch Foams”

O.S.Rodríguez-Fernández¹, L.L.Jiménez-Valdés² ¹Centro de Investigación en Química Aplicada,
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“Aminosilane Superficial Treatment of Lignocelulosic Fillers: Composite Preparation and Mechanical Properties”

K.Aoi¹, R.Nakamura¹, M.Okada², ¹Nagoya University, ²Chubu University, Japan

“Synthesis of Chitin / Polysarcosine Graft Copolymer”

F.Martínez, G.Neculqueo, Universidad de Chile

“Chitosan Crosslinking Reaction with Diglycidylether Derivatives”

X.Jian, Y.Jun, South China University of Technology, China,

"Change of the Ultrastructure of Cellulose under Ultrasound."

Y.Jun, X.Jian, South China University of Technology, China,

"The properties of Absorption and Emission of CMC/Eu(*)/TTA."

K.Yamaura, M.Naito, Shinshu University, Japan.

"High Performance Films Cast from PVA/NaCl Aqueous Solution."

D.K.Keum, K.Naka, Y.Chujo. Kyoto University, Japan.

"Crystallization of CaCO₃ by In-Situ Radical Polymerization of Vinyl Monomers in an Aqueous Solution."

S.Pivsa-Art¹, S.Aiba², N.Kawasaki², N.Yamamoto², A.Nakamura². Rajamangala University¹,
Thailand. National Inst. Adv. Industrial Sci. and Techlogy², Japan.

"Synthesis and Biodegradation of Novel Functional Copolyesters."

S.Changsarn¹, S.Pivsa-Art¹, S.Aiba², N.Kawasaki², N.Yamamoto², A.Nakamura². Rajamangala
University¹, Thailand. National Inst. Adv. Industrial Sci. and Techlogy², Japan.

"Synthesis, Characterization and Biodegradability Study of Copolyesteramides Based on Diacid Chlorides, Diamines and Diols."

V.Tangpasuthadol, V.P.Hoven, N.Pongchaisirikul, Chulalongkorn University, Thailand.

"Functional Group Modification on the Surface of Chitosan Films via Reactions of Amino Group."

E.Taboada, G.Carrera, G.Cardenas, Universidad de Concepción, Chile.

"Synthesis and Application of Chitosan Derivative to Trap Heavy Metal Ions."

CHARACTERIZATION, POLYMER PHYSICS, SOLUTIONS, COMPOSITES, MECHANICAL PROPERTIES.

H.S.Song, B.O.Lee, W.J.Woo, K.H.Kwon, M.S.Kim, Myongji University, Korea.
"EMI Shielding effectiveness of Carbon Nanofiber/Nanotube Filled Polymer Coatings."

A.Hormazabal¹, L.Gargallo¹, D.Radic¹, R.Díaz², A.García-Bernabé², ¹Pontificia Universidad de Católica de Chile, Chile, ²Universidad Politécnica de Valencia, Spain
"Relaxation Processes in Poly(Dicycloalkyl Itaconates) as Studied by Dielectric Relaxation Spectroscopy"

A.Cedeño, T.H.Vázquez Universidad Autónoma Metropolitana-Iztapalapa, Mexico
"Preparation of Semi-IPN Epoxy Resins Containing Thermoplastics"

Y.Kumano, K.Takasaki, O.Nishizawa, M.Onoe Yokohama Information & Electronics Research Center, Mitsubishi Chemical Corporation, Japan
"Crystalline Polyolefin / Cyclic Olefin Oligomer Composition the Formation of Higher-Order Structure and its Application"

T.Ishii, T.Takahashi, K.Tsunoda, H.Yajima, Science University of Tokyo, Japan.
"Characterization of Single-Wall Carbon Nanotubes-Polymer Composit."

A.Estrada, D.Navarro Centro de Investigación en Química Aplicada, Mexico
"Nylon-6-Polyesteramide-Phenolic Resin Block Copolymer Obtained by the RIM Process"

R.Montiel, R.Alexander-Katz Universidad Autónoma Metropolitana-Iztapalapa, Mexico
"Generation of Roughness by Deformable Particles at an Interface Under Flow"

J-M Chenal, G.Bonilla, J-M Widmaier Institut Charles Sadron, France
"Grafting Effects on Properties of Polyurethane / Polystyrene Interpenetrating Polymer Networks"

E.Ramírez-Vargas¹, B.M-Huerta-Martínez¹, C.A.Avila-Orta¹, D.Navarro-Rodríguez¹, F.J.Medellín-Rodríguez² ¹Centro de Investigación en Química Aplicada, ²Universidad Autónoma de San Luis Potosí, Mexico
"Effect of Ethylene Content in Heterophasic (PP-EP) and Random (PP-Epr) Polypropylene Copolymers on the Compatibility of Blends with EVA"

E.Ramírez-Vargas¹, J. de León-Guevara², H.E. de Alva-Salazar², C.A.Avila-Orta¹, D.Navarro-Rodríguez¹ ¹Centro de Investigación en Química Aplicada, ²Instituto Tecnológico de Ciudad Madero, Mexico
"Effect of VA and EVA Content on the Thermal and Mechanical Properties of PP-EP / EVA Blends"

H.Kim, K.J.Kim¹, S.Kwon, B.C.Jo², Y.Lee², K.J.Lee², B.H.Lee², D.Rana³, S.Choe*.
Inha University, Korea, ¹Strokol, Akron, USA, ²SK Corporation, Korea, ³University of Ottawa, Canada.
"Comonomer Effect on the Mechanical and Morphological Behavior on the Calcite Filled PP, CoPP, and TerPP."

G.Arias¹, A.Rosales¹, P.O.Reyes², M.C.González¹, R.Cedillo¹
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“Synthesis and Evaluation of Aminosilanes Derived from Triazine in Glass Fiber for Rigid PVC”

H.Kihara, T.Miura, R.Kishi National Institute of Advanced Industrial Science and Technology (AIST), Japan

“Formation of Anisotropic Phase-Separated Structures in (Reactive / Non-Reactive) Liquid-Crystalline Blends”

T.Miura, R.Kishi, M.Mikami National Institute of Advanced Industrial Science and Technology (AIST), Japan

“Simulations of order Formation in the Crystallization Processes of Short Polymer Melts”

H.Ishikawa, T.Itoh, M.Hashimoto, Kyoto Institute of Technology, Japan.

"Phase Transition in Polymer Crystals."

P.Boochathum, S.Danchaloemwong, King Mongkut's University of Technology Thonburi, Thailand

“Properties of Natural Rubber Blended with Acrylic Rubber: Filled and Unfilled Behavior”

N.Nishioka, M.Funakoshi, K.Imamoto, M.Uno, Osaka Electrocommunication University, Japan.

“Thermal Decomposition Behavior of cellose/PS_t Blends Containing Grafted Products as Comaptibilizers.”

H.Takahashi, F.Shibata, A.Saito, Nihon University, Japan.

"Friction and Wear Characteristics of Bronze Powder Filled PEEK/PTFE Blends in Oscillating Motion and Continuous Rotation."

A.Mendez Prieto, S.Sanchez, M.Palacios Mesta, CIQA, Saltillo, Mexico.

"A Property Performance Study of Blends Waste Poly(ethyleneterephthalate) with High Density Polyethylene."

S.Tantayanon, S.Juikham, Chulalongkorn University, Thailand.

"Dynamic Vulcanization of Recycled Tire-Rubber in Polypropylene Matrix."

N.Baran, M.Obadal, Tomas Bata University, Czch Republic,

"Preparation of the Gamma Phase Polypropylene at Lower Pressures."

M.R.Rivera¹, R.Herrera¹, L.Ríos² ¹Facultad de Química, UNAM, ²Centro de Investigación y Desarrollo Tecnológico, Mexico

“Effect of Synthesis Conditions on Dynamic Mechanical Properties of Hips Materials”

I-H.Ju, M-S.Park, J-P.Wu Myongji University, Korea

“Film Formation and film Properties of Poly(Butyl Acrylate)-Poly(Methyl Methacrylate) Structured Latex”

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“Effect of the Sulfur on the Mechanical Properties of the Asphalt Modified with Polymers”

A.Tanaka¹, I.Ishihara¹, K.Kisida¹, K.Tokumitsu¹, M.Yamaguchi², K-H.Nitta³ ¹The University of Shiga Prefecture, ²Toso Co., ³JAIST, Japan

“Anomalous Mechanical Properties and Morphology of Ultra High Molecular Weight Polyethylene

Films”

Z.L.Palmillas-Jiménez¹, S.M.Nuño-Donlucas¹, J.F.A.Soltero-Martínez¹, L.G.González-Ortiz¹,
A.Martínez² ¹Universidad de Guadalajara, ²Universidad de Guanajuato, Mexico
“Synthesis Rheological and NMR Characterization of Poly(Styrene-Graft-Methyl Methacrylate)
Copolymers”

G.Hernández, A.M.Mendoza, Instituto tecnologico de Ciudad Madero, Mexico.
"Rheology Studies between Thermoplastic Styrene-Butadiene Rubber."

D.E.Mendoza, M.Martinez, M.Y.Chavez, A.M.Mendoza, A.C.Cruz, Inst. Tecnológico de Ciudad
Madero, Mexico.
"Preparation and Mechanical Properties of Composites with Fiber Reinforced."

R.Li, E.Ching, City University of Hong Kong, Hong Kong.
"Essential Work of Fracture Analysis for the Impact Fracture Resistance of Nylon-6 Composites."

E.E.Balderas¹, G.Hernández², M.Martínez¹, R.Antonio¹, A.M.Mendoza¹ ¹Instituto Tecnológico de
Ciudad Madero, ²Dynasol Elastómeros, S.A. Mexico
“Rheological Properties of Oil Modified Asphalts”

M.A.Cerpa-Gallegos, C.F.Jasso-Gastinel, L.J.González-Ortíz, Universidad de Guadalajara, Mexico.
"Molecular Weight, Concentration and Temperature Dependences on the Surface tension of PS/S and
PMMA/S Solutions."

P.I.Gonzalez-Chi¹, J.G.carrillo-Baeza¹, G.Canché-Escamilla¹
R.J.Young², ¹ CICY, Mexico, ²University of Manchester, UK.
"Micromechanical Analysis of Fibers Using Raman Spectroscopy."

J.Revilla Vázquez², A.Rojas Hernández¹, N.Negrette Herrera¹, ¹Univ. Autonoma Metropolitana-
Iztapalapa, ²CID, Centro de Investigación y Desarrollo Tecnológico. Mexico.
"Synthesis of Low Molecular Weight Poly(Acrylic Acid)

GENERAL TOPICS.

G.Sánchez, A.Rosales Centro de Investigación en Química Aplicada, Mexico
“PET Recycling to Obtain Photocuring Coatings”

M.del Angel, R.Herrera Facultad de Química-UNAM, Mexico
“Effect of Microstructure and Composition of IB Copolymers on Pressure Sensitive Adhesives
Properties”

R.García-Chávez¹, M.Martínez-Martínez¹, R.Antonio-Cruz¹, M.Domínguez-Sánchez², A.M.Mendoza-
Martínez¹, ¹Instituto Tecnológico de Ciudad Madero, ²Grupo Primex, S.A. de C.V. Mexico
“Comparative Study of several Plasticizers on the Properties of Three Commercial Resins of PVC”

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“Study of Pentane and its Isomers Compatibility with a Polyol used in Polyurethane Foam Laminates

Manufacture”

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“Foaming and Crosslinking of Flexible PVC Formulations”

R.E.Zavala¹, H.E. de Alva¹, M.J.Cruz², A.M.Mendoza¹, ¹Instituto Tecnológico de Ciudad Madero, ²Facultad de Química-UNAM, Mexico

“Evaluation of Isocyanate Conversion and others Groups in Oil Naturals Based Polyols and MDI Reactions by FTIR”

PLASMA IN POLYMERS

S.López¹, J.C.Palacios², M.G.Olayo^{2,3}, J.Morales⁴, G.J.Cruz³, R.Olayo⁴, ¹F.E.S.-Zaragoza C-II UNAM, ²FQ-UAEM, ³ININ, ⁴UAM-I, Mexico

“Structural and Morphological Analysis of Polythiophene thin Films Synthesized by Glow Discharges”

J.C.Palacios¹, S.López², M.G.Olayo^{1,3}, J.Morales⁴, G.J.Cruz³, R.Olayo⁴, ¹FQ-UAEM, ²F.E.S.-Zaragoza C-II UNAM, ³ININ, ⁴UAM-I, Mexico

“Conductivity and Crystallinity in Plasma-Polymerized Thiophene Films”

M.G.Neira¹, R.D.Short¹, J.L.Angulo², ¹University of Sheffield, UK, ²Centro de Investigación en Química Aplicada, Mexico

“Argon Plasma Surface Modification of Polystyrene, Polypropylene and Polyethyleneterephthalate”

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“Argon Plasma Surface Modification of Polymers”