

Poster Programme

Poster Programme
Second International Symposium Frontiers in Polymer Science

Poster No.	Title, Authors and Affiliations
Poster Session 1- Sunday, 29 May 2011 16:00-17:30; 19:10-21:00	
[P.1.001]	A novel dental adhesive containing a hybrid filler of nanosilica and poly (Acrylic Acid) grafted nanoclay L. Solhi*, M. Atai, A. Nodehi, M. Imani, <i>Iran Polymer and Petrochemical Institute, Iran</i>
[P.1.002]	Functional and physicochemical properties of starches isolated from pearl millet cultivars cultivated in algerian hyperarid regions N. Boudries*, M. Sindic, B. Nadjemi, N. Belhaneche, <i>University of Liege, Belgium</i>
[P.1.003]	New concepts for impact modification of polypropylene M. Gahleitner*, D. Machl, T. Pham, C. Grein, K. Bernreitner, <i>Borealis Polyolefine GmbH, Austria</i>
[P.1.004]	Physical and mechanical properties of HDPE/CLAY/WOOD flour foamed nanocomposite A. Varshoe Tabrizy*, B. Kord, V. Chamany, <i>Islamic Azad University, Iran</i>
[P.1.005]	Synthesis and characterization of poly(N-alkyloxyarylcabazoly-2,7-vinylene) derivatives and their applications in bulk-heterojunction solar cells S.H. Jin* ¹ , Y.S. Gal ¹ , ¹ <i>Pusan National University, Republic of Korea</i> , ² <i>Kyungil University, Republic of Korea</i>
[P.1.006]	Facile and rapid microwave assisted synthesis of nanofibrillar polyanilines M. Gizdavic-Nikolaidis* ^{1,2} , D. Stanisavljev ² , S. Ray ¹ , A. Easteal ¹ , R. Cooney ¹ , Z. Zujovic ^{1,3} , ¹ <i>The University of Auckland, New Zealand</i> , ² <i>University of Belgrade, Serbia</i> , ³ <i>Institute of General and Physical Chemistry, Serbia</i>
[P.1.007]	Physico-chemistry of thermal stabilization of polyethylene by organo-phosphites E. Richaud*, F. Djouani, B. Fayolle, J. Verdu, <i>CNRS, PIMM, France</i>
[P.1.008]	Enhanced fluorescence of organic and polymeric fluorophores containing quinoline group J.L. Hong*, C.T. Lai, <i>National Sun Yat-Sen University, Taiwan</i>
[P.1.009]	The influence of different types of sheath solvents on the diameter of electrospun polymer fiber D.G. Yu ¹ , K. White ² , C. Branford-White* ² , L.M. Zhu ¹ , ¹ <i>Donghua University, China</i> , ² <i>London Metropolitan University, UK</i>
[P.1.010]	Shock response of sandwich composites A. Goodarzi* ¹ , H. Taylor ² , ¹ <i>AmirKabir University of Technology, Iran</i> , ² <i>Imperial College London, UK</i>
[P.1.011]	Hydroxypropyl methylcellulose phthalate and poly- methacrylate copolymer composite films for modulating drug release. J. Peerapattana*, P. Vachirateerat, T. Pongjanyakul, <i>Khon Kaen University, Thailand</i>
[P.1.012]	Dielectric behaviors of hybrid conducting composite B. Belaabed, J.L. Wojkiewicz*, S. Lamouri, N. El Kamchi, N. Redon, <i>LCM_URECA_/EMP, Algeria</i>
[P.1.013]	Scale-up of emulsion polymerisation reactors using cfd J. Pohn ² , T.F.L. McKenna* ^{1,2} , L. Fradette ³ , M. Heniche ³ , M. Cunningham ² , ¹ <i>CNRS, France</i> , ² <i>Queen's University, Canada</i> , ³ <i>Ecole Polytechnique de Montreal, Canada</i>
[P.1.014]	Fatigue lifetime prediction of vulcanized natural rubber component C.S. Woo* ¹ , H.S. Park ¹ , W.G. Shin ² , S.H. Lee ³ , ¹ <i>Korea Institute of Machinery & Materials, Republic of Korea</i> , ² <i>PAVCO Ltd., Republic of Korea</i> , ³ <i>Hyundai-Kia Motor Co., Republic of Korea</i>
[P.1.015]	Effect of ionic salts on drug release: Synthesis, characterization, thermal stability, morphology and drug release of polysulfa and its copolymer A.Z. Elassar*, A. Alsughayer, S. Mustafa, F. Al Sagheer, <i>The Public Authority for Applied Education and Training, Kuwait</i>
[P.1.016]	Synthesis and properties of new poly(Amide-Imide)s based on citric acid J. Dong*, <i>Shaoxing University, China</i>

[P.1.017]	DNA-lipid complexes bearing photoelectronic functional groups J. Qu ¹ , Z. Qiu ¹ , L. Liu ¹ , H. Chen ¹ , N. Ogata ² , T. Masuda* ³ , ¹ South China University of Technology, China, ² Ogata Res. Lab. Ltd, Japan, ³ Fukui University of Technology, Japan
[P.1.018]	Fluorescent thermometers in water based on poly(2-(2-methoxyethoxy)ethyl methacrylate) R. París*, I. Quijada-Garrido, O. García, M. Liras, Instituto de Ciencia y Tecnología de Polímeros (ICTP), Spain
[P.1.019]	Acoustic porous materials based on polyurethane foam and granulated tyre waste S. Mahasaranon*, K.V. Horoshenkov, H. Benkreira, A. Khan, University of Bradford, UK
[P.1.020]	Bioactive Polymer systems with modulation of angiogenic processes activated by growth factors. J. San Roman*, L. Garcia, M.R. Aguilar, A. Martinez, CSIC and CIBER-BBN, Spain
[P.1.021]	Poly(ester amide) nanocomposites by in situ polymerization: Kinetic studies on polycondensation and crystallization L. Morales* ^{1,2} , I. Jones ¹ , L. Franco ^{1,2} , J. Puiggali ^{1,2} , ¹ Universitat Politècnica de Catalunya, Spain, ² Centre de Recerca en NanoEnginyeria, Spain
[P.1.022]	Electrospinning of polylactide and polycaprolactone mixtures for preparation of materials with tunable drug release properties L.J. del Valle* ¹ , R. Camps ¹ , A. Díaz ^{1,2} , L. Franco ^{1,2} , A. Rodríguez-Galán ^{1,2} , J. Puiggali ^{1,2} , ¹ Universitat Politècnica de Catalunya, Spain, ² Centre de Recerca en NanoEnginyeria, Spain
[P.1.023]	Mechanical properties of epoxidized natural rubber-50 toughened polyamide 6/halloysite nanotubes A. Hassan*, A.S. Noor Fadzliana, M. Zurina, M.U. Wahit, Universiti Teknologi Malaysia, Malaysia
[P.1.024]	Effect of nano-CaCO₃ on rheological and dynamic mechanical properties of polypropylene: experiments and models H. Ebadi-Dehaghani*, A. Ghanbari, Islamic Azad University, Iran
[P.1.025]	Utilization of derivatives of rubber seed oil as thermal stabilizer and plasticizer for poly(vinyl chloride) plastisols T.O. Egbuchunam* ¹ , F.E. Okieimen ² , D. Balkose ³ , ¹ Federal University of Petroleum Resources, Nigeria, ² University of Benin, Nigeria, ³ Izmir Institute of Technology, Turkey
[P.1.026]	Hybrid hydrogels composed of poly(acrylic acid) and triple helix collagen-like domains N. Higashi*, S. Takagi, T. Koga, Doshisha University, Japan
[P.1.027]	Interfacial chemical stitching in engineering polymer blends; PP/PP-g-MAH/ (SGFR) PA 66 Z. Safidine*, Macromolecular Chemistry laboratory UER of Applied Chemistry EMP Bordj El bahri City Algiers, Algeria
[P.1.028]	Nanostructuring of molecular imprinted polymers: Possible use as biomarker detection device S. Rodriguez Vilches ¹ , J.B. Doucet ^{1,2} , J. Fitremann ¹ , M. Mauzac ¹ , A.F. Mingotaud* ¹ , C. Séverac ^{2,3} , ¹ Laboratoire des IMRCP, Université de Toulouse, CNRS, France, ² Université de Toulouse, France, ³ ITAV, UMS CNRS, France, ⁴ Institut Charles Sadron, CNRS, France, ⁵ Innospsys, France
[P.1.029]	Synthesis of polymer latexes stabilized by cerium oxide nanoparticles through soap-free emulsion and miniemulsion polymerization N. Zgheib* ¹ , F. D'Agosto ¹ , M. Lansalot ¹ , J.L. Putaux ² , E. Bourgeat-Lami ¹ , ¹ Université de Lyon, France, ² Centre de Recherches sur les Macromolécules Végétales, France
[P.1.030]	Surfactant-free emulsion polymerization of styrene using Laponite clay platelets as stabilizer studied by online calorimetry N. Sheibat-Othman ¹ , A. Martins Dos Santos ² , E. Bourgeat-Lami* ³ , ¹ Université de Lyon, France, ² University of Sao Paulo, Brazil, ³ Université de Lyon, France
[P.1.031]	The synthesis of Azo(PAMAM -DIPA Core(G1))₂ Dendrimer A. Massoudi* ¹ , O. louie ¹ , A. Agah ¹ , S. Maghsoodi ¹ , S. sajjadifar ^{1,2} , ¹ Payame Noor University (PNU)- mashhad, Iran, ² Payame Noor University (PNU)- Ilam, Iran

[P.1.032]	Homo- and copolymerizations of (meth)acrylates and olefins (styrene, ethylene) using neutral nickel complexes: the hybrid radical/catalytic pathway A. Leblanc, C. Boisson, R. Spitz, V. Monteil*, <i>Université de Lyon, France</i>
[P.1.033]	Controlling olefin isomerization during olefin metathesis with fatty acid derivatives P.A. Fokou* ¹ , M.A.R. Meier ¹ , ¹ <i>University of Applied Sciences Emden/Leer, Germany</i> , ² <i>University of Potsdam, Germany</i>
[P.1.034]	Limitations of radical thiol-ene reaction for polymer-polymer conjugations M.M. Stamenovic* ¹ , S.P.S. Koo ² , A.R. Prasath ¹ , A.J. Inglis ² , C. Barner-Kowollik ² , T. Junkers ² , ¹ <i>Ghent University, Belgium</i> , ² <i>Karlsruhe Institute of Technology, Germany</i>
[P.1.035]	Asymmetric polymerization of N-1-(1-Naphthyl)ethylmaleimide T. Oishi*, M. Azechi, Y. Isobe, K. Yamabuki, K. Onimura, <i>Yamaguchi University, Japan</i>
[P.1.036]	Mesoscopic simulation of micellar-shuttle pathway of PB-PEO copolymer in a Water/[BMIM][PF₆] system C. Soto-Figueroa, R. Rodriguez-Hidalgo, L. Vicente*, <i>UNAM, Mexico</i>
[P.1.037]	Computational investigation and synthesis of a zwitterionic imprinted material for selective recognition and detection of l-aspartic acid N. Tarannum*, A. Kumar, M. Singh, <i>MMV Banaras Hindu University Varanasi, India</i>
[P.1.038]	Synthesis and water vapour barrier properties of epoxy resin and silica nanocomposites by using perhydropolysilazane T. Kumagai, Y. Fujii, J. Iida, R. Saito*, <i>Tokyo Institute of Technology, Japan</i>
[P.1.039]	A new method for the preparation of concentrated translucent polymer latexes from emulsion polymerization N.M.B. Smeets*, R.P. Moraes, J.A. Wood, T.F.L. McKenna, <i>Queen's University, Canada</i>
[P.1.040]	Nanoscale blending of polyamide 6 with low-tg inorganic phosphate glass: Fact or fiction? J.U. Otaigbe*, Y. Meng, <i>The University of Southern Mississippi, USA</i>
[P.1.041]	Understanding the mechanism of Ziegler-Natta ethylene polymerization E. Grau* ^{1,2} , J.P. Broyer ¹ , C. Coperet ³ , P. Sautet ² , V. Monteil ¹ , ¹ <i>C2P2, CNRS, France</i> , ² <i>Laboratoire de Chimie, ENS, France</i> , ³ <i>Laboratoire de Chimie Inorganique, ETH Zurich, Switzerland</i>
[P.1.042]	Honeycomb films from amphiphilic linear-dendritic-linear hybrids: Effect of branching and hydrophilic to hydrophobic ratio M.V. Walter*, P. Lundberg, D. Hult, A. Hult, M. Malkoch, <i>Royal Institute of Technology (KTH), Sweden</i>
[P.1.043]	Mesoscale simulation of drug delivery mechanism on the polymeric vehicle P(ST-DVB): Effect of acid environment M.R. Rodríguez Hidalgo, C. Soto-Figueroa*, L.A. Vicente-Hinestroza, <i>UNAM, Mexico</i>
[P.1.044]	High recovery stress polyurethane shape memory polymers with novel processing capabilities K. Hearon* ^{1,2} , T. S. Wilson ² , D. J. Maitland ¹ , ¹ <i>Texas A&M University, USA</i> , ² <i>Lawrence Livermore National Laboratory, USA</i>
[P.1.045]	Chemical modification of pectin to improve its dispersibility into water O. Kurita*, Y. Miyake, E. Yamazaki, <i>Mie Prefecture Industrial Research Institute, Japan</i>
[P.1.046]	Nano-porous silica particles as novel fillers for dental composites M. Atai*, <i>Iran Polymer and Petrochemical Institute, Iran</i>
[P.1.047]	Uncatalyzed synthesis of ionic polyacetylene derivatives via the activated polymerization of 2-ethynylpyridine by using functional alkyl halides Y.S. Gal* ¹ , S.H. Jin ² , J.W. Park ³ , W.S. Lyoo ⁴ , K.T. Lim ⁵ , ¹ <i>Kyugil University, Republic of Korea</i> , ² <i>Pusan National University, Republic of Korea</i> , ³ <i>The Catholic University, Republic of Korea</i> , ⁴ <i>Yeungnam University, Republic of Korea</i> , ⁵ <i>Pukyong National University, Republic of Korea</i>
[P.1.048]	Antimicrobial properties of chemically modified chitosan film with aldehydes and changes in other physico-mechanical properties B. Raj*, J. R. S., P. Viswanath, S. P., <i>CFTRI Mysore, India</i>
[P.1.049]	Synthesis and characterization of heterotactic PMMA derived from linear poly(catechol dimethacrylate) Y. Saito*, T. Arakawa, R. Saito, <i>Tokyo Institute of Technology, Japan</i>

[P.1.050]	Swelling and dye sorption characteristics of novel Semi IPNs: Acrylamide/4-styrenesulfonic acid sodium salt/PEG hydrogels E. Karadag*, Ö.B. Üzümler, <i>Adnan Menderes University, Turkey</i>
[P.1.051]	Effect of concentration and temperature on the heat transfer coefficient for Inconel-600 probe quenched in PEG solutions R. Ikkene ^{1,2} , Z. Koudil ² , M. Mouzali ^{*2} , ¹ <i>Centre de Recherche Scientifique et Technique en Analyses Physico-Chimiques, Algeria</i> , ² <i>Université des Sciences et de la Technologie-Houari Boumediene, Algeria</i>
[P.1.052]	Biodegradation of poly(butylene succinate) copolyester containing 21 mol% propylene succinate M. Chen ^{*1} , W.C. Hsieh ² , C.H. Chen ¹ , ¹ <i>National Sun Yat-Sen University, Taiwan</i> , ² <i>I-Shou University, Taiwan</i>
[P.1.053]	Substituent effect on ceiling temperature in radical polymerization of acrylates H. Tanaka*, M. Niwa, K. Soga, <i>University of Tokushima, Japan</i>
[P.1.054]	Thermoplastic natural rubber via admicellar polymerization S. Nooma*, R. Magaraphan, <i>Chulalongkorn University, Thailand</i>
[P.1.055]	Functionalization of multi-walled carbon nanotubes with non-reactive polymer chains and their applications Y.L. Liu*, C.M. Chang, <i>Chung Yuan Christian University, Taiwan</i>
[P.1.056]	Preparation and characterization of Epoxy-Silica hybrid materials: nonaqueous SOL-GEL process S. Ponyrko*, M. Kubiszyn, L. Matejka, <i>Institute of Macromolecular Chemistry, Czech Republic</i>
[P.1.057]	Fabrication of electrospun PLLA/HA composite nanofibrous scaffolds by statistical approach for bone tissue engineering P. Agarwal*, P. Srivastava, <i>Banaras Hindu University, India</i>
[P.1.058]	Rheological properties of Octenyl Succinic Anhydride (OSA) Modified Tapioca Starch as a Rheology Modifier in Acrylic Dispersion System. T. Makmoon ^{*1,2} , N. Jiratumnukul ¹ , A. Fongfuchat ² , ¹ <i>Chulalongkorn University, Thailand</i> , ² <i>National Metal and Materials Technology Center, Thailand</i>
[P.1.059]	The use of polymer as substitute of bentonite on stabilization of soil excavations E.A. Trindade*, <i>Universidade de Evora, Portugal</i>
[P.1.060]	Use of polymer ATPS system for extractive fermentative production of glutaminase P. Singh, M. Sinha*, R. Banik, <i>Banaras Hindu University, India</i>
[P.1.061]	Chemical modification of polymers with nitrogenated pendant groups. A. Funes, M. Lamanna, M. Rostagno, M. Martins Alho, N. D'Accorso*, <i>Universidad de Buenos Aires, Argentina</i>
[P.1.062]	Controlling the degradation of block Copolymers using Solvent Controls and Acyclic Diene Metathesis (ADMET) K.L. Sedransk*, G.D. Moggridge, <i>University of Cambridge, UK</i>
[P.1.063]	Phase change material based on acrylic nanocapsules through miniemulsion polymerization A. Rezaee ^{*1} , A.R. Mahdavian ² , S. Khoei ¹ , ¹ <i>University of Tehran, Iran</i> , ² <i>Iran Polymer and petrochemical Institute (IPPI), Iran</i>
[P.1.064]	Synthesis and characterization of photoresponsive linear-dendritic block copolymers E. Blasco*, C. Berges, L. Oriol, M. Piñol, <i>Universidad de Zaragoza-CSIC, Spain</i>
[P.1.065]	Diffusion and permeability of liquids in polymers D. Vesely*, <i>Oxford University, UK</i>
[P.1.066]	Shape memory triggered coating failure for active biomaterials A. Raj*, T. Ware, W. Voit, <i>The University of Texas at Dallas, USA</i>
[P.1.067]	Radiation crosslinked shape memory polymers W. Voit ¹ , T. Ware ^{*1} , K. Gall ² , ¹ <i>The University of Texas at Dallas, USA</i> , ² <i>The Georgia Institute of Technology, USA</i>
[P.1.068]	Rheological studies of PMMA-PVC polymer blend electrolytes with LiTFSI as doping salt S. Ramesh, C.W. Liew, A.K. Arof*, <i>Centre for Ionics University Malaya, Malaysia</i>

[P.1.069]	Effect of substrate content and surfactant type on the properties of nr-ppy core-shell composite by electrolytic admicellar polymerization A. Pongpilaipruet*, R. Magaraphan, <i>Chulalongkorn University, Thailand</i>
[P.1.070]	Reactive blends of Poly(lactic acid) and modified cellulose from biomass C. Yamoum*, R. Magaraphan, <i>Chulalongkorn University, Thailand</i>
[P.1.071]	Ultraviolet radiation curable hybrid coatings in dental application. N. Jiratumnukul ^{1,2} , W. Pramualkijja ¹ , ¹ <i>Chulalongkorn University, Thailand</i> , ² <i>Chulalongkorn University, Thailand</i>
[P.1.072]	Staudinger ligation and RAFT: a synthetic tool for a future concept in biomaterial science R. Pöttsch*, S. Fleischmann, C. Tock, H. Komber, B. Voit, <i>Leibniz-Institut für Polymerforschung Dresden e.V., Germany</i>
[P.1.073]	pH controlled dynamics of physical hydrogels: from frozen solids to viscoelastic fluids C. Charbonneau*, C. Chassenieux, T. Nicolai, O. Colombani, <i>Université du Maine, France</i>
[P.1.074]	Thermal, electrical and structural characterization of conducting bio-composites based on Polyaniline/poly (l-lactic acid) N. Fodil Cherif*, Z. Safidine, S. Lamouri, <i>MCL-UER of Applied Chemistry EMP, Algeria</i>
[P.1.075]	Antifouling and antimicrobial surface coatings through poly(2-methyl-2-oxazoline), a peptidomimetic polymer. C. Acikgoz*, E.M. Benetti, M. Charnley, M. Textor, <i>ETH Zurich, Switzerland</i>
[P.1.076]	Aqueous dispersions of non spherical polyethylene nanoparticles from free radical polymerization under mild conditions: from synthesis to properties P.Y. Dugas*, E. Grau, J.P. Broyer, C. Boisson, R. Spitz, V. Monteil, <i>C2P2 - LCPP, France</i>
[P.1.077]	Obtainment and DSC analysis of Castor oil Polyurethane composites reinforced with cellulose from sugarcane straw P.C. Mileo ^{*1} , D.R. Mulinari ² , G.J.M. Rocha ^{1,3} , A.R. Gonçalves ^{1,3} , ¹ <i>University of São Paulo, Brazil</i> , ² <i>Department of Engineering – UniFOA, Brazil</i> , ³ <i>National Laboratory for Science and Technology in Bioethanol, Brazil</i>
[P.1.078]	Stability studies of polymers using vibrational spectroscopy techniques A.D. Pisal ^{*1} , A.D. Nimkar ¹ , A.M. Michelet ² , ¹ <i>Shivaji University, India</i> , ² <i>Mumbai University, India</i>
[P.1.079]	An alternative solvent system for the steady state electrospinning of polycaprolactone L. Van der Schueren*, K. De Clerck, <i>Ghent University, Belgium</i>
[P.1.080]	Synthesis of new graft copolymers by coupling ROP and RAFT polymerization J. Kiehl ^{*1} , C. Delaite ¹ , S. Bistac ¹ , A.S Schuller ² , H. Farge ² , ¹ <i>Université de Haute Alsace, France</i> , ² <i>Mäder Composites, France</i>
[P.1.081]	Thermal, mechanical and morphological properties of thermoplastic polyester elastomer/poly nanocomposites H. Sirin ^{*1} , D. Turan ¹ , G. Ozkoc ¹ , ¹ <i>Kocaeli University, Turkey</i>
[P.1.082]	Polymeric optical fibers produced with different acrylates via atom transfer radical polymerization reactions E. Aslan Gürel ^{*1} , S. Celebi ^{1,2} , L. J. Scherer ¹ , L. Toppare ^{1,2} , R. M. Rossi ¹ , ¹ <i>EMPA, Switzerland</i> , ² <i>METU, Turkey</i>
[P.1.083]	New insights on Ni-based catalysts for stereospecific polymerization of butadiene F. Vaultier*, V. Monteil, R. Spitz, C. Boisson, <i>Université de Lyon, France</i>
[P.1.084]	Morphology study of polyamide 6.9 nanofibres electrospun under steady state conditions B. De Schoenmaker*, A. Goethals, K. De Clerck, <i>Ghent University, Belgium</i>
[P.1.085]	Synthesis, post-modification and self-assembled thin films of pentafluorostyrene containing block copolymers M. Riedel*, J. Stadermann, H. Komber, F. Simon, B. Voit, <i>Leibniz-Institut für Polymerforschung Dresden e. V., Germany</i>
[P.1.086]	RAFT polymerization of N-acryloylmorpholine in aqueous solution: Kinetic study and synthesis of an ABA triblock glycopolymer L. Albertin ^{*1,2} , A. Ghabban ^{1,2} , A. Wolnik ^{1,2} , F. Dubreuil ^{1,2} , A. Heyraud ^{1,2} , ¹ <i>CERMAV-CNRS, France</i> , ² <i>l'Université Joseph Fourier, France</i>

[P.1.087]	Highly functional porous materials for bio-diagnostic biosensors F. Audouin* ¹ , R.J. Foster ¹ , A Heise ^{1,2} , ¹ <i>Dublin City University, Ireland</i> , ² <i>Technische Universiteit Eindhoven, The Netherlands</i>
[P.1.088]	Novel sugar-based polyurethanes for biomedical applications. Functionalization and biodegradation C. Ferris, M.V. de Paz*, J.A. Galbis, <i>University of Seville, Spain</i>
[P.1.089]	Synthesis of amphiphilic diblock copolymers of polystyrene and poly(acrylic acid) by reverse iodine transfer polymerization (RITP) in solution and emulsion D. Rayeroux*, B.N. Patra, P. Lacroix-Desmazes, <i>CNRS UMR5253 ICG-IAM, France</i>
[P.1.090]	Polyurethanes and polyureas derived from carbohydrates. Synthesis, characterisation, and degradability F. Zamora*, B. Begines, I. Roffé, M. Mancera, J. A. Galbis, <i>University of Seville, Spain</i>
[P.1.091]	Fluorinated complexing macromolecular surfactants for a decontamination process in dense carbon dioxide M. Chirat* ^{1,2} , T. Ribaut ^{1,2} , P. Lacroix-Desmazes ¹ , S. Clerc ¹ , B. Fournel ² , ¹ <i>CNRS UMR5253 ICG-IAM, France</i> , ² <i>CEA Marcoule, France</i>
[P.1.092]	Functionality of poly(methyl methacrylate) prepared by reverse iodine transfer polymerization (RITP) and possible pathways for the preparation of thermoplastic elastomers A.M. Villa Hernandez*, P. Lacroix-Desmazes, <i>CNRS UMR5253 ICG-IAM, France</i>
[P.1.093]	UV-stabilization of polyethylene terephthalate by modified zinc oxide nanoparticles S.I. Milyaeva*, D.V. Kuznetsov, D.S. Muratov, F.S. Senatov, <i>National University of Science and Technology, Russia</i>
[P.1.094]	Biopolymer chitosan modification and sorption studies of copper from aqueous solution A. Khan*, S. Badshah, C. Airoidi, <i>State University of Campinas, Brazil</i>
[P.1.095]	Coupling of spin and charge in polyaniline pellets doped with HCl or DBSA M. Bacani* ¹ , M. Novak ¹ , I. Kokanovic ¹ , D. Babic ² , ¹ <i>Zagreb University, Croatia</i> , ² <i>Institute for Medical Research, Croatia</i>
[P.1.096]	Ultrahigh molecular weight polyethylene composites filled with ceramic nanoparticles F.S. Senatov*, S.D. Kaloshkin, V.V. Tcherdyntsev, D.V. Kuznetsov, <i>National University of Science and Technology, Russia</i>
[P.1.097]	Synthesis and characterization of chemically modified polyacrylonitrile grafted bagasse and study of metal ion sorption behavior I. Sarvi*, A. Purjavadi, <i>Islamic Azad University Shahrood Branch, Iran</i>
[P.1.098]	Mechanoactivation synthesis of Polymer-Silicate nanocomposites K.S. Ergin* ¹ , S.D. Kaloshkin ¹ , V.V. Tcherdyntsev ¹ , E.M. Antipov ² , V.A. Gerasin ² , V.D. Danilov ³ , ¹ <i>NUST "MISIS", Russia</i> , ² <i>TIPS RAS, Russia</i> , ³ <i>IMACH RAS, Russia</i>
[P.1.099]	Electrical and thermal properties of blended poly (methyl methacrylate)-dammar coatings Z.H.Z. Abidin, K.M. Nasir, B. Vengadaesvaran, M.Z. Kufian, S.R. Majid*, R.M. Taha, <i>University of Malaya, Malaysia</i>
[P.1.100]	Biopolymer-based nanoparticles for drug delivery: Enhanced gastrointestinal absorption of itraconazole by pectin nanoparticles K. Burapapadh* ¹ , H. Takeuchi ² , P. Sriamornsak ¹ , ¹ <i>Silpakorn University, Thailand</i> , ² <i>Gifu Pharmaceutical University, Japan</i>
[P.1.101]	Fermentative production of Epsilon Polylysine on Industrial By-product (cane molasses) by <i>Streptomyces sp.</i> S. C. Shukla*, A. Mishra, <i>Banaras Hindu University, India</i>
[P.1.102]	Polyketenes: various uses of dimethylketene and ethylketene to design polyesters and polyketones N. Desilles*, M. Brestaz, N. Hayki, M. Cadinot, C. Bunel, F. Burel, <i>INSA de Rouen, CNRS UMR 6270 PBS & FR 3038 INC3M, France</i>
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[P.2.030]	Amphiphilic block copolymers from polymers hydroxyl-terminated functionalized with TEMPO. A new synthesis method using oxoammonium salts (halogen-nitroxide) J Bonilla-Cruz* ¹ , T.E. Lara-Ceniceros ¹ , D.G. Ramírez-Wong ² , E. Saldívar-Guerra ² , F. Pérez-Rodríguez ¹ , U. Márquez-Lamas ¹ , ¹ Centro de Investigación en Materiales Avanzados (CIMAV-Unidad Monterrey), Mexico, ² Centro de Investigación en Química Aplicada (CIQA), Mexico
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[P.2.124]	Self-contained route to characterize and tailor multifunctionality of polymer nanocomposites R.A. Gabor, H. Paven, C.A. Nicolae*, Z. Vuluga, C. Radovici, <i>National Research-Development Institute for Chemistry and Petrochemistry - ICECHIM, Romania</i>
[P.2.125]	Elaboration of polysaccharide-g-poly(lactic acid) graft copolymers by "click-chemistry" J.L Six*, <i>Icpm, France</i>
[P.2.126]	Magnetic modified mesoporous clay in polylactide nanocomposite for novel active packagings H. Manuspiya* ^{1,2} , A. Mattayan ¹ , A. Jindapetch ¹ , ¹ <i>Chulalongkorn University, Thailand,</i> ² <i>Center of Excellence for Petroleum, Petrochemical, and Advanced Materials, Thailand</i>
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[P.2.129]	Triple shape memory polymers based on Self-Complimentary hydrogen bonding T.H. Ware* ¹ , K. Hearon ² , D.J. Maitland ² , W.E. Voit ¹ , ¹ <i>The University of Texas at Dallas, USA,</i> ² <i>Texas A&M University, USA</i>
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[P.2.131]	Molecular motions of self-confined chains in poly(styrene)/poly(vinyl methyl ether) blends: a solid-state NMR investigation C. Lorthioir* ¹ , F. Lauprêtre ¹ , A. Alegria ² , J. Comenero ^{2,3} , ¹ <i>ICMPE (CNRS / University of Paris East), France,</i> ² <i>Universidad del País Vasco, Spain,</i> ³ <i>Donostia International Physics Center, Spain</i>
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[P.2.138]	<p>Ice segregation-induced self-assembly of liquid crystalline silver nanofibers into poly(vinyl alcohol) biocompatible hydrogels</p> <p>H.E. Romeo¹, C.E. Hoppe*¹, I. Pardiñas Blanco², M.A. López Quintela³, R.J.J. Williams¹, Y. Minaberry⁴, ¹Universidad Nacional de Mar del Plata (UNMDP), Argentina, ²NANOGAP sub-nm-powder S.A., Parque Empresarial Novo Milladoiro, Spain, ³Universidad de Santiago de Compostela (USC), Spain, ⁴Universidad de Buenos Aires (UBA), Argentina</p>
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[P.2.143]	<p>Diblock copolymer brushes as soft template for nanoparticles organization – DPD simulation study</p> <p>O.A. Guskova*, C. Seidel, <i>Max Planck Institute of Colloids and Interfaces, Science Park Golm, Germany</i></p>
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[P.2.147]	<p>Chitosan aerogel: a recyclable, heterogeneous organocatalyst for the asymmetric direct aldol reaction in water</p> <p>M. Robitzer*¹, L. Bernardi², C. Gioia², S. Vierucci², A. Ricci², F. Quignard¹, ¹ICG Montpellier - MACS, France, ²University of Bologna, Italy</p>
[P.2.148]	<p>From marine polysaccharides to porous materials</p> <p>F. Quignard*, M. Robitzer, F. Di Renzo, <i>ICG Montpellier - MACS, France</i></p>
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[P.2.150]	<p>Thermal stability of gamma irradiated particulate recycled polymer composites</p> <p>N. Madi*¹, M. Al Maaded¹, R. Kharaman², A. Hodzic¹, ¹Qatar Universty, Qatar, ²The University of Sheffield, UK</p>
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[P.2.152]	<p>Cellulose acetate/sodium caseinate based films</p> <p>M. Pereda*¹, G. Amica¹, I. Racz², N.E. Marcovich¹, ¹INTEMA, Argentina, ²Bay Zoltán Foundation for Applied Research, Hungary</p>
[P.2.153]	<p>DNA templated In-Situ polymerization: nature's approach to polymer synthesis</p> <p>A. Hashemi*, <i>Sharif University of Technology, Iran</i></p>
[P.2.154]	<p>The effect of processing technique on the performance of PCL/clay nanocomposites</p> <p>L.N. Ludueña*¹, A. Vazquez², J.M. Kenny³, V.A. Alvarez¹, ¹INTEMA, Argentina, ²INTECIN (UBA-CONICET), Argentina, ³ICTP-CSIC, Spain</p>

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[P.3.002]	Synthesis of polymer networks by controlled radical crosslinking copolymerization involving a RAFT mechanism J. Poly* ¹ , D. Taton ² , ¹ Université de Haute Alsace, France, ² Université de Bordeaux, France
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[P.3.004]	Poly(ethylene terephthalate) biodegradation by marine bacteria H.K. Webb*, R.J. Crawford, E.P. Ivanova, <i>Swinburne University of Technology, Australia</i>
[P.3.005]	Interrelation between photodegradation and biodegradation of environmentally degradable polymers (PLA and PBAT). V. Verney* ^{1,3} , S. Commereuc ^{1,2} , H. Askanian ¹ , S. Collin ¹ , M. Koutny ⁴ , P. Stloukal ⁴ , G. Perchet ⁵ , J. Sanvoisin ⁵ , J. Troquet ⁵ , ¹ Clermont Université - Univeristé Blaise Pascal - LPMM, France, ² Clermont Université - ENSCCF - LPMM, France, ³ CNRS UMR6505 - LPMM, France, ⁴ Tomas Bata University, Czech Republic, ⁵ Biobasic Environnement, France
[P.3.006]	Impact of filler on the properties of thermoplastic (elastomers) / carbon nanotubes nanocomposites. Can we go any further? L.A.S. A. Prado, S.T. Buschhorn, G. Broza, K. Schulte*, <i>Technische Universität Hamburg-Harburg, Germany</i>
[P.3.007]	Thermo-sensitive and biodegradable block copolymers obtained by controlled polymerisation J.L. Six* ^{1,2} , ¹ Laboratoire de Chimie Physique Macromoléculaire UMR CNRS-INPL 7568, France, ² Laboratoire de Chimie Bioorganique et Macromoléculaire, Morocco
[P.3.008]	Complete nano structure analysis of polymer materials using SAXS, WAXS and GISAXS in a single lab system P.M. Worsch* ¹ , C. Moitzi ¹ , H. Santner ¹ , O. Glatter ² , ¹ Anton Paar GmbH., Austria, ² University of Graz, Austria
[P.3.009]	An elegant and facile single-step UV-curing approach to dual-surface nano-silvering of polymer composites resulting in flexible polymeric capacitors J.R. Nair* ¹ , V.S. Ijjeri ¹ , C. Gerbaldi ² , S. Zanarini ¹ , R. Bongiovanni ¹ , N. Penazzi ¹ , ¹ Politecnico di Torino, Italy, ² Italian Institute of Technology, Italy
[P.3.010]	Particle shape effect on trafficking in tissue-like media S. Orsi*, G. Romeo, D. Guarnieri, P.A. Netti, <i>Italian Institute of Technology, Italy</i>
[P.3.011]	Synthesis and study of swelling degree P[(N-iPAAm)-co-(MAA)] gels in different mediums F.P. Silva, M.E.S. R. Silva, R.F.S. Freitas, R.G. Sousa*, <i>Federal University of Minas Gerais, Brazil</i>
[P.3.012]	Influence of polyhedral oligomeric silsesquioxane coating on aging of plasma-treated polypropylene C.H. Wanke* ¹ , J.V.M. Hübner ² , J.L. Feijó ¹ , R.V.B. Oliveira ² , F. Horowitz ¹ , ¹ I.F. - UFRGS, Brazil, ² I.Q. - UFRGS, Brazil

[P.3.013]	Hydration characterization of hydrophobically modified and thermosensitive polymers by microwave method in the millimeter-wave range. M.M. Vorob'ev*, N.G. Faleev, T.V. Burova, <i>Institute of Elementoorganic Compounds RAS, -</i>
[P.3.014]	Valorization of textile waste: Synthesis of graft copolymers from cellulose. C. Bouilhac*, C. Ringot, S. Monge, J.J. Robin, <i>Institut Charles Gerhardt de Montpellier, France</i>
[P.3.015]	Morphology, thermal stability and dynamic mechanical behaviour of SBS and SIS block Copolymer/Layered silicate nanocomposites C.A. Nicolae*, R.A. Gabor, Z. Vuluga, C. Radovici, H. Paven, <i>National Research-Development Institute for Chemistry and Petrochemistry, Romania</i>
[P.3.016]	Dispersion and re-aggregation phenomena in carbon nanotube polymer composites J.A. Covas*, S. Jamali, M.C. Paiva, <i>Universidade do Minho, Portugal</i>
[P.3.017]	Estimating the sustainability of carbon nanotube composites: reprocessing studies M.C. Paiva*, B. Oliveira, J.A. Covas, <i>Universidade do Minho, Portugal</i>
[P.3.018]	Synthesis of amphiphilic polyhydrosilanes M. Simionescu*, G. Sacarescu, V. Hamciuc, L. Sacarescu, <i>Petru Poni Institute of Macromolecular Chemistry, Romania</i>
[P.3.019]	Microwave - assisted wurtz coupling. A new route to high molecular weight polysilanes G. Sacarescu*, M. Simionescu, I. Atudosie, V. Harabagiu, L. Sacarescu, <i>Petru Poni Institute of Macromolecular Chemistry, Romania</i>
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[P.3.021]	Synthesis of Polylactide-G-Soya graft copolymers and their blends with pure polylactide N. Besirli ¹ , B. Hazer* ² , T. Sanal ³ , E. Taskin ¹ , ¹ Uludag University, Turkey, ² Zonguldak Karaelmas University, Turkey, ³ Yalova University, Turkey
[P.3.022]	Surfactant-free emulsion polymerization of n-butyl acrylate in the presence of macromolecular RAFT agents. J. Rieger ¹ , W.J. Zhang* ^{1,2} , G. Osterwinter ¹ , S. Boisse ¹ , F. Stoffelbach ¹ , B. Charleux ² , ¹ university of Paris 6 (UPMC), France, ² Université de Lyon, Univ. Lyon 1, France
[P.3.023]	Atom transfer radical polymerization of 2-Ethylhexyl Acrylate (EHA); Effect of different additives D.J. Haloi, N.K. Singha*, <i>Indian Institute of Technology Kharagpur, India</i>
[P.3.024]	Highly perpendicular orientation of cylindrical microdomains in Polystyrene-b-poly(4-hydroxyl styrene)/PEG oligomer blend thin film K. Yamamoto*, T. Matsutani, M. Fujikawa, S. Ohya, <i>Nagoya Institute of Technology, Japan</i>
[P.3.025]	Simultaneous synthesis and self-assembly of cholesteryl-based liquid crystalline block copolymers into nanofibers by RAFT dispersion polymerization in ethanol/water mixture X. Zhang* ¹ , S. Boisse ¹ , P.A. Albouy ² , M.H. Li ¹ , J. Rieger ¹ , B. Charleux ³ , ¹ Université Pierre et Marie Curie Paris 6, France, ² Université Paris-Sud, France, ³ Université de Lyon, Univ. Lyon 1, France
[P.3.026]	Mechanism of the propylene oxide polymerization with potassium hydride in tetrahydrofuran Z. Grobelny ¹ , A. Stolarzewicz ¹ , A. Swinarew* ¹ , B. Swinarew ¹ , J. Gabor ¹ , M. Bec ¹ , M. Matlengiewicz ¹ , D. Kwapulinska ¹ , A. Maercker ² , ¹ University of Silesia, Poland, ² Universität Siegen, Poland
[P.3.027]	Heat treatment effects on molecular structure change of conjugate fibers T.H. Oh*, S.S. Han, W.S. Lyoo, Y.H. Seo, <i>Yeungnam University, Republic of Korea</i>
[P.3.028]	Disiloxyl and dihydroxyl functionalized polymers by Controlled/Living polymerization methods G.J. Summers* ² , N.A. Mputumana ¹ , ¹ University of South Africa, South Africa, ² Tshwane University of Technology, South Africa
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[P.3.032]	Synthesis of thermally stable polysulfones by regiospecific radical copolymerization of 1,3-Diene monomers with sulfur dioxide A. Matsumoto*, N. Tanaka, E. Sato, <i>Osaka City University, Japan</i>
[P.3.033]	The effect of different cations on the properties and morphology of polyaniline nanostructures D. Pahovnik ¹ , E. Zagar ¹ , J. Vohlidal ² , M. Zigon* ¹ , ¹ <i>National Institute of Chemistry, Slovenia</i> , ² <i>Charles University, Czech Republic</i>
[P.3.034]	Synthesis and characterization of novel POSS/epoxy nanocomposites K. Suwanchatchai, P. Praserttham, S. Thongyai, A. Somwangthanaroj*, <i>Chulalongkorn University, Thailand</i>
[P.3.035]	Recombinant molecular construction as a way to control Self-Assembly and biofunctionality: The example of Elastin-Like recombinamers L. Martín*, M. Pierna, M. Alonso, F.J. Arias, J.C. Rodríguez-Cabello, <i>Universidad Valladolid, Spain</i>
[P.3.036]	Protein-selective adsorbers by molecular imprinting via two-step surface grafting D.X. Yin*, M. Ulbricht, <i>Universitaet Duisburg-Essen, Germany</i>
[P.3.037]	Display of linear actuation of polypyrrole micro-rod actuators using by 3D analysis M. Cho*, Y. Lee, J. Choi, <i>Sungkyunkwan University, Republic of Korea</i>
[P.3.038]	Synthesis of amphiphilic triblock copolymers PET-PLAc-PDMAEMAq: influence of the molecular weight of the polyelectrolyte block and of the PET one on their morphology in solution and on the rheology of aqueous solutions. L. Liénafa ¹ , S. Monge-Darcos* ¹ , J. Oberdisse ² , S. Mora ² , J.J. Robin ¹ , ¹ <i>Institut Charles Gerhardt Montpellier, France</i> , ² <i>Laboratoire des colloïdes, Verres et Nanomatériaux, France</i>
[P.3.039]	Synthesis and characterization of PCL/silica-based fillers nanocomposites L. López*, N. Navascués, S. Irusta, J. Santamaría, <i>University of Zaragoza, Spain</i>
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[P.3.041]	Physico-Chemical study of coating vesicles M Ruano* ¹ , R.G. Rubio ¹ , F. Ortega ¹ , O. Llorca ² , ¹ <i>Universidad Complutense de Madrid, Spain</i> , ² <i>Centre for Biological Research, Spain</i>
[P.3.042]	Synthesis and characterization of polyethylenically unsaturated diols (PUD) and Development of UV curable coatings by reacting it with Cellulose acetate (CA) in presence of diisocyanates T. Biranchinarayan*, <i>Orissa Engineering College, India</i>
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[P.3.044]	Impact strength of high density polyethylene reinforced banana pseudostalk fibers composites R.L.M. Paiva*, P.S. Souza, S.A.S. Goulart, D.R. Mulinari, <i>Centro Universitário de Volta Redonda, Brazil</i>
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[P.3.046]	Optically active polymeric networks containing azobenzene moieties and organic crystals A. Orofino, P.A. Oyanguren, M.J. Galante*, <i>INTEMA, Argentina</i>
[P.3.047]	Bone cement nanocomposite used as tooth filler and its biocompatibility: The effect of the solvent polarity G. Kapusetti* ¹ , N. Misra ¹ , P. Maiti ¹ , <i>Banaras Hindu University, India</i>

[P.3.048]	Characterization of unique physicochemical and biological properties of a novel biopolymeric nano anticancer drug D.B. Yang* ¹ , S. Van ² , Q. Yang ¹ , J. Wang ¹ , W.B. Ying ¹ , Y. Jin ¹ , K.Y. Tsang ¹ , L. Yu ^{1,2} , ¹ East China Normal University, China, ² Nitto Denko Technical Corporation, USA
[P.3.049]	Synthesis & characterization of Glycolide based bio-degradable polymers using condensation polymerization S. Rattan* ² , P. Rattan ¹ , ¹ BITS-Pilani University, India, ² Delhi Technological University, India
[P.3.050]	Characterization of flow regimes in polyethylenes during continuous extrusion through in-situ pressure fluctuations and advanced data analysis A. Adesina*, I. Hussein, King Fahd University of Petroleum and Minerals, Saudi Arabia
[P.3.051]	Effect of chemical modification on mechanical properties of sugarcane bagasse fibers/ PP composites E.F. Cerqueira*, D.R. Mulinari, C.A.P. Baptista, Centro Universitário de Volta Redonda, Brazil
[P.3.052]	SA/CS bipolar membrane modified by metallophthalocyanine derivatives with different substituents Z. Chen* ^{1,2} , X. Zheng ¹ , Q.P. Chen ² , ¹ Fujian Normal University, China, ² Chemistry Department of Fujian Ningde Teachers College, China
[P.3.053]	Nanocomposites constituted by thermotropic liquid crystal polymers and carbon nanotubes: self-organization and photoinduced charge transfer D. Sordi ¹ , S. Orlanducci ¹ , E. Tamburri* ^{1,2} , D. Passeri ³ , M. Lucci ⁴ , M.L. Terranova ¹ , ¹ Università di Roma "Tor Vergata", and Interdisciplinary Micro and Nano-structured Systems laboratory (MINAS), Italy, ² Rice University, USA, ³ Università di Roma "La Sapienza", Italy, ⁴ Università di Roma "Tor Vergata", Italy
[P.3.054]	PLLA/ TiO₂ nanocomposites porous scaffold: using synthesised TiO₂ K. K gupta*, P. k mishra, P. Srivastava, P. Maiti, Banaras Hindu University, India
[P.3.055]	Formation of self-assembled polyaniline micro/nanostructures through a nanoprecipitation approach Y. Li*, W. He, X.L. Jing, Xi'an Jiaotong University, China
[P.3.056]	Colorless polyimides derived from alicyclic tetracarboxylic dianhydrides having norbornane structure T. Matsumoto*, R. Kimura, S. Nakagawa, S. Nakao, Tokyo Polytechnic University, Japan
[P.3.057]	Optimization of Molecularly Imprinted Polymers Solid Phase Extraction method for natural bioactive compounds N.H. Henry* ^{1,2} , R.D. Delepee ¹ , S.C. Coquerelle ² , J.M.S. Seigneuret ² , L.A. Agrofoglio ¹ , ¹ Université d'Orléans, France, ² Alban Muller, Laboratoires PRAT, France
[P.3.058]	Batch- and extrusion-foaming of a compatibilized blend system using ethanol as blowing agent V. Altstädt*, P. Gutmann, F. Wolff-Fabris, H. Schmalz, A.H.E. Müller, University of Bayreuth, Germany
[P.3.059]	Second generation of Polymer-Layered Silicate-Nanocomposites R.M. Gouttefarde, F. Wolff-Fabris*, V. Altstädt, University of Bayreuth, Germany
[P.3.060]	Synthesis of titanium nanoparticles in a poly(e-caprolactone) matrix A. V. Machado*, A. Lima, University of Minho, Portugal
[P.3.061]	Interpenetrating polymer networks based on Ca(II)-Alginate-Dexhema hydrogels suitable for biomedical applications P. Matricardi*, L. Pescosolido, C. Di Meo, Department of Chemistry and Pharmaceutical Technologies, "Sapienza" University, Rome, Italy
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