

Poster Session II

Thursday, October 28th

PII-1	N-SUBSTITUTED WATER-SOLUBLE POLYPEPTIDES <u>M. GKIKAS</u> , H. IATROU, N. HADJICHRISTIDIS <i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece) – iatrou@chem.uoa.gr</i>
PII-2	UNDERSTANDING INITIATION AND TERMINATION EVENTS IN THE PRIMARY AMINE-INITIATED POLYMERIZATION OF NCAS BY HIGH-VACUUM TECHNIQUES <u>D.L. PICKEL</u> ¹ AND J.M. MESSMAN ¹ ¹ <i>Oak Ridge National Laboratory, Center for Nanophase Materials Sciences, Oak Ridge, TN USA 37831 – pickeldl@ornl.gov</i>
PII-3	ABC MIKTOARM STAR TERPOLYMER WITH A HELICAL POLYPEPTIDE ARM: HIERARCHICAL SMECTIC SELF-ASSEMBLY <u>S. JUNNILA</u> ¹ , N. HOUBENOV ¹ , S. HANSKI ¹ , H. IATROU ² , A. HIRAO ³ , N. HADJICHRISTIDIS ² , O. IKKALA ¹ ¹ <i>Molecular Materials, Department of Applied Physics, Aalto University School of Science and Technology (previously Helsinki University of Technology), P.O. Box 15100, 00076 Aalto, Finland – susanna.junnila@tkk.fi</i> ² <i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens, Greece</i> ³ <i>Department of Organic and Polymeric Materials, Graduate School of Science and Engineering, Tokyo Institute of Technology, Tokyo 152-8552, Japan</i>
PII-4	OBLIQUE SELF-ASSEMBLY OF POLYPEPTIDES COMPLEXED WITH PEGYLATED TRIPLE-TAIL LIPIDS <u>S. HANSKI</u> , S. JUNNILA, A.J. SOININEN, J. RUOKOLAINEN, O. IKKALA <i>Molecular Materials, Department of Applied Physics, Aalto University (formerly Helsinki University of Technology), P.O.Box 15100, 00076 Aalto, Finland – sirkku.hanski@tkk.fi</i>
PII-5	KINETIC STUDIES ON THE CCRDINATION RING OPENING POLYMERIZATION OF L-LACTIDE WITH TITANIUM (IV) COMPLEXES <u>M. SARIDIS</u> , M. PITSIKALIS <i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece) – mansaridis@hotmail.com</i>
PII-6	METALLOCENE-MEDIATED CATIONIC POLYMERIZATION OF 2-METHYL OXAZOLINE (MeOx) AND 2-PHENYL OXAZOLINE (PhOx) <u>M.E. KOURTI</u> , M. PITSIKALIS <i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece) – maritzeni@yahoo.com</i>
PII-7	SYNTHESIS OF P(t-BMA)-b-PEO BLOCK COPOLYMERS WITH PEO BLOCK AS THE MINOR COMPONENT AND INVESTIGATION OF THEIR SELF-ASSEMBLED NANOSTRUCTURES <u>A. GIAKOUMAKI</u> ^{1,2} , M. CHATZICHRISTIDI ^{1,2} , E. MAKARONA ¹ , M. PITSIKALIS ² , P. ARGITIS ¹ ¹ <i>Institute of Microelectronics, NCSR 'Demokritos', Athens, 15310 Greece</i> ² <i>Chemistry Department, University of Athens, Zografou 15771, Greece – mchatzi@chem.uoa.gr</i>
PII-8	COPOLYMERS OF 1,2-MICROSTRUCTURE POLY(BUTADIENE) WITH METHYL METHACRYLATE (MMA) AND 2-VINYLPYRIDINE (2-VP). SYNTHESIS-CHARACTERIZATION-MORPHOLOGY <u>I. TANIONOU</u> ¹ , N. HADJICHRISTIDIS ¹ ¹ <i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens,</i>

	<i>Panepistimiopolis Zografou 35, 15771 Athens (Greece) – tanionou_ioanna@yahoo.com</i>
PII-9	<p>RADICAL COPOLYMERIZATION OF 2-VINYL PYRIDINE AND OLIGO(ETHYLENE GLYCOL) METHYL ETHER METHACRYLATES: MONOMER REACTIVITY RATIOS AND THERMAL PROPERTIES</p> <p><u>P. DRIVA</u>¹, P.S BEXIS¹, and M. PITSIKALIS¹</p> <p>¹<i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece) – evidriva@chem.uoa.gr</i></p>
PII-10	<p>COMPLEX MACROMOLECULAR ARCHITECTURES OF POLYDIENE SYNTHESIS AND CHARACTERIZATION</p> <p><u>T. VASILAKOPOULOS</u>¹, G. SAKELLARIOU¹, D. VLASSOPOULOS², N. HADJICHRISTIDIS¹.</p> <p>¹<i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece) – tedhop82@gmail.com</i></p> <p>²<i>Institute of Electronic Structure and Laser, FORTH, 71110 Heraklion, Crete and Department of Materials Science and Technology, University of Crete, Heraklion 71300 Crete, Greece</i></p>
PII-11	<p>A GENERAL ROUTE FOR SURFACE POLYMER GRAFTING ON CARBON NANOTUBES</p> <p><u>G. SAKELLARIOU</u>,¹ D. PRIFTIS,¹ M. GKIKAS,¹ D. BASKARAN,² M. PITSIKALIS,¹ H. IATROU,¹ J. MAYS,² N. HADJICHRISTIDIS¹</p> <p>¹<i>Department of Chemistry, University of Athens, Greece</i></p> <p>²<i>Department of Chemistry, University of Tennessee, Knoxville, USA - gsakellariou@chem.uoa.gr</i></p>
PII-12	<p>SYNTHESIS OF GRAFT QUATERPOLYMERS WITH DIVINYL TERMINATED POLY(DIMETHYLSILOXANE) AND PS-B-PB-B-PI TRIBLOCK</p> <p><u>C. NTARAS</u>¹, S.RANGOU², A. AVGEROPOULOS¹, E.L. THOMAS³, C. STEWART-SLOAN³.</p> <p>¹<i>Polymers' Laboratory Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti 45110 Ioannina, Greece – cdaras@cc.uoi.gr</i></p> <p>²<i>Institute of Polymer Research, GKSS Research Centre, Geesthacht GmbH, Geesthacht 21502, Germany</i></p> <p>³<i>Department of Materials Science & Engineering, MIT, 77 Mass. Ave., Cambridge MA 02139, USA</i></p>
PII-13	<p>SYNTHESIS AND MOLECULAR CHARACTERIZATION OF LINEAR AND CYCLIC POLYPEPTIDES OF PROTECTED TYROSINE</p> <p><u>N. POLITAKOS</u>¹, D.L. PICKEL², <u>G. LIONTOS</u>¹, J.M. MESSMAN², A. AVGEROPOULOS¹</p> <p>¹<i>Polymers' Laboratory, Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti, 45110 Ioannina, Greece – npolitak@cc.uoi.gr</i></p> <p>²<i>Center for Nanophase Materials Sciences, Oak Ridge National Laboratory, Oak Ridge, Tennessee, 37831, USA</i></p>
PII-14	<p>SYNTHESIS, MOLECULAR AND MORPHOLOGICAL CHARACTERIZATION OF LINEAR TRIBLOCK TERPOLYMERS WHERE ONE OF THE BLOCKS IS POLY(CYCLOHEXADIENE)</p> <p><u>K. MISICHRONIS</u>¹, S. RANGOU¹, E. ASHROFT², J.W. MAYS², A. AVGEROPOULOS¹</p> <p>¹<i>Polymers' Laboratory, Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti, 45110 Ioannina, Greece – kmisichro@cc.uoi.gr</i></p> <p>²<i>Polymers Laboratory, Department of Chemistry, University of Tennessee at Knoxville, TN, 37919, USA</i></p>
PII-15	<p>POLYMERS GRAFTED ON MULTI WALL CARBON NANOTUBES</p> <p><u>D. KATSIGIANNOPOULOS</u>¹, E. GRANA¹, E.L. THOMAS², N. ZAFEIROPOULOS¹, A. AVGEROPOULOS¹</p> <p>¹<i>Polymers' Laboratory, Department of Materials Science and Engineering, University of Ioannina, University Campus - Dourouti, 45110 Ioannina (Greece) – dkatsig@cc.uoi.gr</i></p> <p>²<i>Department of Materials Science and Engineering and Institute for Soldier Nanotechnologies,</i></p>

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PII-16	<p>SYNTHESIS, MOLECULAR CHARACTERIZATION AND CHEMICAL MODIFICATION OF POLY-(2-TRIMETHYLSILYLOXY ETHER METHACRYLATE)-B-POLY-(METHYL METHACRYLATE)</p> <p>K. NTETSIKAS, M. KONSTANTINOY, A. AVGEROPOULOS</p> <p><i>Polymers' Laboratory, Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti, 45110 Ioannina, Greece - kntetsik@cc.uoi.gr</i></p>
PII-17	<p>SYNTHESIS, MOLECULAR AND MORPHOLOGICAL CHARACTERIZATION OF MODIFIED DIBLOCK COPOLYMERS WITH ORGANIC ACID CHLORIDE DERIVATIVES</p> <p><u>N. POLITAKOS</u>¹, C.J. WEINMAN², K. STRATI¹, M. PAIK², H.S. SUBRAMANIAN², C.K. OBER², A. AVGEROPOULOS¹</p> <p>¹<i>Polymers' Laboratory, Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti, 45110 Ioannina, Greece - npolitik@cc.uoi.gr</i></p> <p>²<i>Department of Materials Science & Engineering, Cornell University, Ithaca, New York 14853-1501, USA</i></p>
PII-18	<p>ANIONIC POLYMERIZATION OF 2-VINYLTHTIOPHENE AND ITS GRAFTED FORM WITH POLYTHIOPHENE</p> <p>E. GRANA, A. AVGEROPOULOS</p> <p><i>Polymers' Laboratory, Department of Materials Science and Engineering, University of Ioannina, University Campus - Dourouti, 45110 Ioannina (Greece) – egrana@cc.uoi.gr</i></p>
PII-19	<p>SYNTHESIS AND CHARACTERIZATION OF HIGH MOLECULAR WEIGHT TRIBLOCK TERPOLYMERS CONSISTING OF POLYSTYRENE, POLYBUTADIENE AND POLYISOPRENE WITH DIFFERENT ISOMERISMS</p> <p><u>D. MOSCHOVAS</u>¹, G. ZAPSAS¹, S. RANGOU², N.E. ZAFEIROPOULOS¹, A. AVGEROPOULOS¹</p> <p>¹<i>Department of Materials Science Engineering, University of Ioannina, University Campus-Dourouti 45110 Ioannina, Greece-dmoschov@cc.uoi.gr</i></p> <p>²<i>Institute of Polymer Research, GKSS Research Centre Geesthacht GmbH, Geesthacht 21502, Germany</i></p>
PII-20	<p>SYNTHESIS AND CHARACTERIZATION OF NANOCOMPOSITE MATERIALS MULTI WALL CARBON NANOTUBES POLYSTYRENE MATRIX</p> <p><u>T. ORFANIDOU</u>¹, M. CONSTANTINOY¹, P. GEORGOPANOS¹, A. AVGEROPOULOS¹</p> <p>¹<i>Polymers Laboratory, Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti, 45110 Ioannina, Greece- thorfan@cc.uoi.gr</i></p>
PII-21	<p>CORE SHELL DOUBLE GYROID MORPHOLOGY OF A TRIBLOCK TERPOLYMER CONSISTING OF: POLYSTYRENE, POLYBUTADIENE AND POLYISOPRENE</p> <p><u>G. ZAPSAS</u>¹, D. MOSCHOVAS¹, S. RANGOU², N.E. ZAFEIROPOULOS¹, A. AVGEROPOULOS¹</p> <p>¹<i>Department of Materials Science Engineering, University of Ioannina, University Campus-Dourouti 45110 Ioannina, Greece - zapsasg@hotmail.com</i></p> <p>²<i>Institute of Polymer Research, GKSS Research Centre Geesthacht GmbH, Geesthacht 21502, Germany</i></p>
PII-22	<p>COMPLEX ARCHITECTURE POLYMERS OF POLYSTYRENE AND POLY(DIMETHYLSILOXANE)</p> <p><u>P. GEORGOPANOS</u>¹, A. AVGEROPOULOS¹, R.-M. HO²</p> <p>¹<i>Polymers Laboratory, Department of Materials Science and Engineering, University of Ioannina, Panepistimioupolis Dourouti, 45110 Ioannina (Greece) – pgeorgop@cc.uoi.gr</i></p> <p>²<i>Department of Chemical Engineering, National Tsing Hua University, 33621 Hsinchu (Taiwan)</i></p>
PII-23	<p>SYNTHESIS AND CHARACTERIZATION OF LINEAR DIBLOCK COPOLYMERS OF POLY(2-VINYLPYRIDINE) AND</p>

	<p style="text-align: center;">POLY(METHYLMETHACRYLATE)</p> <p style="text-align: center;"><u>G. POLYMEROPOULOS</u>, P. GEORGOPANOS, A. AVGEROPOULOS <i>Polymers' Laboratory, Department of Materials Science & Engineering, University of Ioannina, University Campus-Dourouti, 45110 Ioannina, Greece - gpolymer@cc.uoi.gr</i></p>
PII-24	<p style="text-align: center;">CHEMICAL MODIFICATION OF MAGNETIC NANOPARTICLES BY COVALENTLY BONDING MIDDLE FUNCTIONALISED DIBLOCK COPOLYMER</p> <p style="text-align: center;"><u>S. RANGOU</u>¹, D. SERRANO-RUIZ², A. AVGEROPOULOS¹, N.E. ZAFEIROPOULOS¹, E. LÓPEZ-CABARCOS², J. RUBIO-RETAMA²</p> <p>¹<i>Department of Materials Science & Engineering, University of Ioannina, 45110 Ioannina, Greece – Sofia.Rangou@gkss.de</i> ²<i>Physical-Chemistry Department, Pharmacy Faculty, Complutense University of Madrid, Spain</i></p>
PII-25	<p style="text-align: center;">POLY(VINYL TRIMETHYLSILANE) AND BLOCK COPOLYMERS OF VINYL TRIMETHYLSILANE WITH ISOPRENE: ANIONIC POLYMERIZATION, MORPHOLOGY AND GAS TRANSPORT PROPERTIES.</p> <p style="text-align: center;"><u>S. RANGOU</u>, S.Y SHISHATSKIY, V. FILIZ, V. ABETZ <i>Institute of Polymer Research, GKSS Research Center Geesthacht GmbH, Max-Planck-Str. 1, D-21502 Geesthacht, Germany – volker.abetz@gkss.de</i></p>
PII-26	<p style="text-align: center;">RING OPENING METATHESIS COPOLYMERIZATION OF NORBORNENE AND 5-VINYL-2-NORBORNENE</p> <p style="text-align: center;">F. AGRAFIOTI¹, <u>P. PARASKEVOPOULOU</u>¹, G. FLOROS¹, M. PITSIKALIS², K. MERTIS¹</p> <p>¹<i>Inorganic Chemistry Laboratory, ²Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou, 15771 Athens (Greece) – paraskevopoulou@chem.uoa.gr</i></p>
PII-27	<p style="text-align: center;">CATALYTIC POLYMERIZATION OF CYCLOPENTADIENE AND DICYCLOPENTADIENE WITH THE DITUNGSTEN COMPLEX $\text{Na}[\text{W}_2(\mu\text{-Cl})_3\text{Cl}_4(\text{THF})_2] \cdot (\text{THF})_3$</p> <p style="text-align: center;"><u>G. FLOROS</u>¹, P. PARASKEVOPOULOU¹, N. SARAGAS¹, N. PSAROUDAKIS¹, M. PITSIKALIS², K. MERTIS¹</p> <p>¹<i>Inorganic Chemistry Laboratory, ²Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou, 15771 Athens (Greece) – geofloros@chem.uoa.gr</i></p>
PII-28	<p style="text-align: center;">HOMOPOLYMER / BLOCK COPOLYMER COMPOSITES BASED ON MODIFIED SILICA NANOPARTICLES</p> <p style="text-align: center;"><u>G.C. LOUIS</u>, H. BÖTTCHER, C. ABETZ, A. BOSCHETTI-de-FIERRO, V. ABETZ <i>Institute of Polymer Research, GKSS Research Centre Geesthacht GmbH, Max-Planck-Str. 1, 21502 Geesthacht, Germany – golda.louis@gkss.de</i></p>
PII-29	<p style="text-align: center;">DOUBLE HYDROPHILIC DIBLOCK COPOLYMERS CONTAINING A POLY(IONIC LIQUID) SEGMENT: CONTROLLED SYNTHESIS, SOLUTION PROPERTY, AND APPLICATION AS CARBON PRECURSOR</p> <p style="text-align: center;"><u>J. YUAN</u>, H. SCHLAAD, C. GIORDANO, M. ANTONIETTI*</p> <p><i>Max Planck Institute of Colloids and Interfaces, Colloid Chemistry, Research Campus Golm, D-14424 Potsdam, Germany - jiayin.yuan@mpikg.mpg.de</i></p>
PII-30	<p style="text-align: center;">DEGRADABLE, AMPHIPHILIC END-LINKED POLYMER CONETWORKS: SYNTHESIS BY ATRP, CHARACTERIZATION AND DEGRADATION</p> <p style="text-align: center;"><u>M.D. RIKKOU</u>, C.S. PATRICKIOS <i>Department of Chemistry, University of Cyprus, P.O Box 20537, 1678, Nicosia (Cyprus)- chp5mr1@ucy.ac.cy</i></p>
PII-31	<p style="text-align: center;">HYDROPHILIC CATIONIC “ARM-FIRST” STAR HOMOPOLYMERS AS siRNA DELIVERY SYSTEMS: SYNTHESIS, CHARACTERIZATION AND</p>

	<p style="text-align: center;">EVALUATION</p> <p><u>K.S. PAFITI</u>¹, <u>N.P. MASTROYIANNOPOULOS</u>², <u>A. PHYRACTOU</u>² and <u>C. S. PATRICKIOS</u>^{1*}</p> <p>¹<i>Department of Chemistry, University of Cyprus, P. O. Box 20537, 1678 Nicosia (Cyprus)- chp6pk1@ucy.ac.cy</i></p> <p>²<i>Department of Molecular Genetics, Function & Therapy, Cyprus Institute of Neurology and Genetics, P. O. Box 23462, 1683 Nicosia (Cyprus)</i></p>
PII-32	<p style="text-align: center;">AMPHIPHILIC POLYMERS FOR ANTIMICROBIAL COATINGS</p> <p style="text-align: center;"><u>A. PLUM</u>, H. KEUL, E. HEINE, M. MÖLLER</p> <p><i>Institute of Technical and Macromolecular Chemistry, RWTH Aachen and DWI an der RWTH Aachen e.V., Pauwelsstr. 8, D-52056 Aachen (Germany)- plum@dwI.rwth-aachen.de</i></p>
PII-33	<p style="text-align: center;">SYNTHESIS AND CHARACTERIZATION OF A NEW GRAFT COPOLYMER BASED ON ALGINIC ACID AND POLY(N-ISOPROPYLACRYLAMIDE)</p> <p style="text-align: center;"><u>C. OANA-NICOLETA</u>¹, G. STAIKOS¹</p> <p>¹<i>Department of Chemical Engineering, University of Patras, GR-26504 Patras, Greece oananicoleta@gmail.com</i></p>
PII-34	<p style="text-align: center;">VISCOELASTIC PROPERTIES OF COLLOIDAL PARTICLE INTERFACES</p> <p style="text-align: center;">L. DE VIGUERIE¹, N. VOGEL², K. KLEIN¹, <u>U. JONAS</u>¹, D. VLASSOPOULOS^{1,3}</p> <p>¹<i>FORTH, Institute of Electronic Structure & Laser, P.O. Box 1527, 71110 Heraklion, Greece.</i></p> <p>³<i>Department of Materials Science and Technology, University of Crete, Heraklion, Greece.</i></p> <p>²<i>Max Planck Institute for Polymer Research, Ackermannweg 10, 55128 Mainz, Germany</i></p>
PII-35	<p style="text-align: center;">RHEOLOGY OF METALLO-SUPRAMOLECULAR POLYMER NETWORKS</p> <p style="text-align: center;"><u>D. AUHL</u>, A. RASSON, S. PIOGÉ, C. MUGEMANA, .-A. FUSTIN, J.-F. GOHY, C.BAILLY, E. VAN RUYMBEKE</p> <p><i>Bio- and Soft Matter, Institute of Condensed Matter and Nanosciences, Université catholique de Louvain, Croix du Sud 1, B-1348 Louvain-la-Neuve (Belgium) – dietmar.auhl@uclouvain.be</i></p>
PII-36	<p style="text-align: center;">SELF-ASSEMBLY OF Ag NANOPRISMS IN POLYMER NANOCOMPOSITES</p> <p style="text-align: center;"><u>M. BERTA</u>¹, B. LOPPINET¹, D. VLASSOPOULOS¹, E. ANTONIOU¹, I. PASTORIZA-SANTOS² and L.M. LIZ-MARZAN²</p> <p>¹<i>Institute of Electronic Structure and Laser, Foundation for Research and Technology - Hellas, P.O. Box 1527, 71110 Heraklion, Greece</i></p> <p>²<i>Departamento de Química Física, Universidade de Vigo, 36200 Vigo, Spain - mberta@iesl.forth.gr</i></p>
PII-37	<p style="text-align: center;">MODELING THE LINEAR RHEOLOGY OF ENTANGLED SUPRAMOLECULAR LINEAR AND STAR POLYMERS</p> <p style="text-align: center;"><u>E. VAN RUYMBEKE</u>^{1,2}, N. HADJICHRISTIDIS³, M. PITSIKALIS³, D. VLASSOPOULOS^{2,4}</p> <p>¹<i>IMCN – BSMA, Université catholique de Louvain, Bat. Boltzmann, Plce Croix du Sud 1, 1348 Louvain-La-Neuve, Belgium, evelyne.vanruymbeke@uclouvain.be</i></p> <p>²<i>FORTH Institute of Electronic Structure & Laser, 71110 Heraklion, Crete, Greece</i></p> <p>³<i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece),</i></p> <p>⁴<i>Department of Materials Science & Technology, University of Crete, 71110 Heraklion, Crete, Greece</i></p>
PII-38	<p style="text-align: center;">TIME MARCHING ALGORITHM FOR LINEAR RHEOLOGY OF MONODISPERSE COMB POLYMER MELTS</p> <p style="text-align: center;"><u>M. AHMADI</u>, C. BAILLY, R. KEUNINGS, E. VAN RUYMBEKE</p> <p><i>Bio and Soft Matter, Institute on Condensed Matter and Nano-science, Université Catholique de Louvain, Louvain-la-Neuve, Belgium- mostafa.ahmadi@uclouvain.be</i></p>
PII-39	<p style="text-align: center;">EFFECT OF FRACTIONATION ON LINEAR VISCOELASTICITY OF EXACT COMBS</p> <p style="text-align: center;"><u>F. SNIJKERS</u>¹, A. NIKOPOULOU², N. HADJICHRISTIDIS², P. KIM³, T. CHANG³, E. VAN RUYMBEKE⁴, D. VLASSOPOULOS^{1,5}</p> <p>¹<i>Electronic Structure and Laser, 71110 Heraklion (Greece) – frank@iesl.forth.gr</i></p> <p>²<i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, 15771 Athens (Greece)</i></p>

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PII-40	<p>SOLUTION RHEOLOGY OF CELLULOSE IN 1-BUTYL-3-METHYL IMIDAZOLIUM CHLORIDE</p> <p>X. CHEN¹, R.H. COLBY², Y. ZHANG¹, H. WANG¹</p> <p>¹ State Key Laboratory of Modification for Fiber Materials, Donghua University, 201620 Shanghai, (China) – chenxun1660mail.dhu.edu.cnr</p> <p>² Department of Materials Science and Engineering, Pennsylvania State University, PA 16802, University Park (USA)</p>
PII-41	<p>MECHANICAL PROPERTIES OF POLYMER MEMBRANES STUDIED BY ATOMIC FORCE MICROSCOPY</p> <p>M. KOCUN¹, M. MASKOS^{2,3}, C. STEINEM⁴, A. JANSHOFF¹</p> <p>¹Institute of Physical Chemistry, University of Goettingen, Tammannstr. 6, 37077 Goettingen Germany – marta.kocun@gmail.com</p> <p>²Institute of Physical Chemistry, University of Mainz, Jakob Welder Weg 11, 55128 Mainz, Germany</p> <p>³Federal Institute of Materials Research and testing BAM, Unter den Eichen 87, 12205 Berlin, Germany</p> <p>⁴Institute for Organic and Biomolecular Chemistry, University of Goettingen, Tammannstr. 2, 37077 Goettingen, Germany</p>
PII-42	<p>SYNTHESIS AND CHARACTERIZATION SILICATE HYBRID PREPARED VIA SOL-GEL REACTION FOR THIN FILM APPLICATIONS</p> <p>O. TRABELSI¹, L. TIGHZERT¹, O. JBARA¹</p> <p>¹ GRESPI/Matériaux fonctionnels, UFR Sciences Exactes et Naturelles Campus du Moulin de la Housse - BP 1039 51687 Reims Cedex 2 France - trabelsi.wissem@gmail.com</p>
PII-43	<p>INVESTIGATION OF THE MORPHOLOGY AND THERMAL PROPERTIES OF HDPE/EVA BASED NANOCOMPOSITES</p> <p>M. PIRZADEH¹, A. SHARIF^{1,2,*}, M. KALAEI¹ AND S. AKHLAGHI¹</p> <p>¹ Department of Polymer Engineering, Islamic University of Azad, Tehran South Branch, Abozar Blvd. Ahang 1777613651 Tehran (Iran)</p> <p>² Department of Polymer Science and Technology, Research Institute of Petroleum Industry (RIPI), 4th Km Karaj highway 1693913154 Tehran (Iran) - sharifa@ripi.ir</p>
PII-44	<p>ROTOLINING POLYETHYLENE: A HOT-WATER TANK MADE OF MILD STEEL AND COATED INTERNALLY WITH PE USING ROTATIONAL MOULDING</p> <p>S. SOFOU¹, S. HADJIYIANNIS¹, M. KEARNS², I. MICHAELIDES³, P. ELEFThERIOU³</p> <p>¹CNE Technology Center, Democratias 5, Ergates Industrial Estate, 2643 Ergates (Cyprus) – s.sofou@cnetechology.com</p> <p>²Polymer Processing Research Centre, Queen's University Belfast, Ashby Building, Stranmillis Road, Belfast, BT9 5AH, (Northern Ireland, UK)</p> <p>³ Department of Mechanical Engineering and Material Science and Engineering, Cyprus University of Technology, P.O.Box 50329, 3603 Lemessos, (Cyprus)</p>
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PII-46	<p>COMPLEXATION OF LYSOZYME WITH SODIUM (SULFAMATECARBOXYLATE) ISOPRENE/STYRENE/ETHYLENE OXIDE TRIBLOCK POLYELECTROLYTES</p> <p>M. KARAYIANNI, G.MOUNTRICHAS, S. PISPAS, G. D. CHRYSSIKOS,</p>

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P11-47	<p>NONLINEAR OPTICAL PATTERNING OF TRANSPARENT POLYDIENES SOLUTIONS</p> <p><u>M. ANYFANTAKIS</u>^{1,2,3}, B. LOPPINET¹, G. FYTAS^{1,2,3}, H.-J. BUTT², C. MANTZARIDIS^{3,4} AND S. PISPAS⁴</p> <p>¹<i>Foundation for Research and Technology of Hellas, Institute of Electronic Structure and Laser, 71110 Heraklion, Greece - anyfas@iesl.forth.gr</i> ²<i>Max-Planck-Institute for Polymer Research, 55128 Mainz, Germany</i> ³<i>Dept's of Chemistry and Material Science, University of Crete, 71003, Heraklion, Greece</i> ⁴<i>National Hellenic Research Foundation Vass., Theoretical and Physical Chemistry Institute, 48 Vass. Constantinou Avenue, 11635 Athens, Greece</i></p>
P11-48	<p>LITHOGRAPHIC MATERIALS BASED ON MAIN CHAIN SCISSION OF POLYACETALS: A VERSATILE ROUTE FOR DEVELOPING HIGH ETCH RESISTANCE, LOW LER PHOTORESISTS</p> <p><u>T. MANOURAS</u>^{1,2}, P. ARGITIS¹</p> <p>¹<i>Institute of Microelectronics, NCSR 'Demokritos', Aghia Paraskevi, 15310 Athens (Greece) - tmanouras@imel.demokritos.gr</i> ²<i>Industrial Chemistry Laboratory, Department of Chemistry, University of Athens, Panepistimiopolis Zografou 35, 15771 Athens (Greece)</i></p>
P11-49	<p>DEVELOPMENT AND CHARACTERIZATION OF A NOVOLAC RESIN/ BaTiO₃ NANOPARTICLES COMPOSITE SYSTEM</p> <p><u>I. ASIMAKOPOULOS</u>^{1,2}, G. C. PSARRAS¹, L. ZOUMPOULAKIS²</p> <p>¹<i>Department of Materials Science, School of Natural Sciences, University of Patras, Patras 26504, Greece</i> ²<i>National Technical University of Athens, School of Chemical Engineering, Departement III "Materials Science and Engineering", Laboratory Unit "Advanced and Composite Materials", 9-Heroon Polytechniou street, Zografou Campus, Athens 157 73, Greece</i> <i>asimakopoulos_john@windowslive.com , lzoubou@chemeng.ntua.gr, G.C.Psarras@upatras.gr</i></p>
P11-50	<p>NOVEL POLYESTER-PEG TRIBLOCK COPOLYMERS AND PREPARATION OF CORE-SHELL NANOPARTICLES AS DRUG CARRIERS</p> <p>A.A. VASSILIOU¹, S. A. PAPADIMITRIOU¹, E. KARAVAS², <u>D. N. BIKIARIS</u>¹</p> <p>¹<i>Laboratory of Polymer Chemistry and Technology, Department of Chemistry, Aristotle University of Thessaloniki, GR- 541 24, Thessaloniki, Macedonia, Greece – dbic@chem.auth.gr</i> ²<i>Pharmathen S.A., Pharmaceutical Industry, Dervenakion Str 6, Pallini Attikis, 153 51 Attiki, Greece</i></p>
P11-51	<p>:MULTI-LAYER CONTROLLED RELEASE POLYMERIC SYSTEMS: EXPERIMENT AND THEORY</p> <p><u>D.N. SOULAS</u>, M. SANOPOULOU, K.G. PAPADOKOSTAKI</p> <p><i>Institute of Physical Chemistry, National Center for Scientific Research "Demokritos", 15310 Ag. Paraskevi Attikis, Athens, Greece – dsoulas@chem.demokritos.gr</i></p>
P11-52	<p>CORRELATION OF TENSILE MECHANICAL PROPERTIES AND GLASS TRANSITION TEMPERATURE OF HYDRATED POLYVINYL ALCOHOL FILMS</p> <p><u>M. KONIDARI</u>, K. PAPADOKOSTAKI, M. SANOPOULOU</p> <p><i>Institute of Physical Chemistry, National Center for Scientific Research "Demokritos", Aghia Paraskevi 15310, Athens (Greece) - mkonidari@chem.demokritos.gr</i></p>
P11-53	<p>CHARACTERIZATION AND DRUG RELEASE PERFORMANCE OF SILICONE RUBBER MATRICES MODIFIED WITH POLY(ETHYLENE GLYCOL)</p> <p><u>A. PANOU</u>, N. MANTES, M. SANOPOULOU, K. PAPADOKOSTAKI</p> <p><i>Institute of Physical Chemistry, National Center for Scientific Research "Demokritos", Aghia Paraskevi 15310, Athens (Greece) – athpanou@chem.demokritos.gr</i></p>

<p>PII-54</p>	<p>INVESTIGATIONS ON THE GLYCOPOLYMER PROTEIN INTERACTIONS USING SURFACE PLASMON RESONANCE SPECTROSCOPY <u>C. REMZI BECER</u>¹, M. I. GIBSON¹, R. ILYAS², R. WALLIS³, D.A. MITCHELL², D.M. HADDLETON¹</p> <p>¹ <i>Department of Chemistry, University of Warwick, Coventry, CV4 7AL, UK</i> ² <i>Clinical Sciences Research Institute, Warwick Medical School, University of Warwick, Coventry, CV2 2DX, UK</i> ³ <i>Department of Biochemistry, University of Leicester, Leicester, LH1 9HN, UK</i> <i>c.r.becer@warwick.ac.uk</i></p>
<p>PII-55</p>	<p>FABRICATION OF ULTRATHIN POLYPYRROLE NANOSHEETS AND THEIR APPLICATION FOR TOXIC GAS SENSOR <u>S.S. JEON</u>¹, H.H. AHN², C.S. YOON², S. S. IM¹</p> <p>¹ <i>Department of Fiber and Polymer Engineering, Hanyang University, Seongdong-gu, 133-791, Seoul (Korea) – pillip76@empal.com</i> ² <i>Division of Material Science and Engineering, Hanyang University, Seongdong-gu, 133-791, Seoul (Korea)</i></p>
<p>PII-56</p>	<p>SYNTHESIS OF LINEAR AND STAR HIGH IMPACT STYRENE/ISOPRENE/BUTADIENE TERPOLYMER RESIN BY RETARDED ANIONIC POLYMERIZATION Y. WANG, J. WU, Y. ZHANG, <u>Y. LI</u>, C. ZHANG, Y. HU, Z. LI, Z. ZHAO, Y. WANG</p> <p><i>State Key Laboratory of Fine Chemicals, Liaoning Province Key Laboratory of Polymer Science and Engineering, Department of Polymer Science and Engineering, School of Chemical Engineering, Dalian University of Technology, No.158, Zhongshan Road, Dalian City, Liaoning, 116012, China – liyang@dlut.edu.cn</i></p>
<p>PII-57</p>	<p>DISSOLUTION OF CELLULOSE IN IONIC LIQUIDS VIA POLYELECTROLYTE INTERACTION <u>Y. CHEN</u>¹, Y. ZHANG¹, H. WANG¹ AND D. LIANG²</p> <p>¹ <i>State Key Laboratory of Modification for Fiber Materials, Donghua University, 201620 Shanghai, (China) – tedchancy@mail.dhu.edu.cn</i> ² <i>Beijing National Laboratory for Molecular Science and the Key Laboratory of Polymer Chemistry and Physics of Ministry of Education, College of Chemistry and Molecular Engineering, Peking University, 100871 Beijing (China)</i></p>
<p>PII-58</p>	<p>AMPHIPHILIC MULTIARM STAR BLOCK COPOLYMER VIA DIELS-ALDER CLICK REACTION <u>N. CAKIR</u>¹, H. DURMAZ¹, A. DAG¹, G. HIZAL¹, U. TUNCA¹</p> <p>¹ <i>Polymer Laboratory, Department of Polymer Science and Technology, Istanbul Technical University, Institute of Science and Technology, 34469 Maslak, Istanbul (Turkey) - cbu_nese_87@hotmail.com</i></p>
<p>PII-59</p>	<p>GRAFT COPOLYMERS BY A COMBINATION OF RING OPENING METATHESIS POLYMERIZATION (ROMP) AND DIELS ALDER-CLICK REACTIONS <u>N. CERIT</u>¹, H. DURMAZ¹, A. DAG¹, U. TUNCA¹, G. HIZAL¹</p> <p>¹ <i>Polymer Laboratory, Department of Polymer Science and Technology, Istanbul Technical University, Institute of Science and Technology, 34469 Maslak, Istanbul (Turkey) – nesem_83@hotmail.com</i></p>
<p>PII-60</p>	<p>THE SYNTHESIS OF MULTIARM STAR POLYMERS VIA CLICK REACTIONS <u>A. DAG</u>¹, H. DURMAZ¹, U. TUNCA¹, G. HIZAL¹</p> <p>¹ <i>Polymer Laboratory, Department of Polymer Science and Technology, Istanbul Technical University, Institute of Science and Technology, 34469 Maslak, Istanbul (Turkey) – aydandag@gmail.com</i></p>
<p>PII-61</p>	<p>MULTIARM STAR POLYMERS WITH POSS AT THE PERIPHERY <u>E. GUNGOR</u>, C. BILIR, G. HIZAL, U. TUNCA</p> <p><i>Department of Chemistry, Istanbul Technical University, Maslak, 34469 Istanbul (Turkey) -</i></p>

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PII-62	<p>SYNTHESIS OF Y-SHAPED AB₂-TYPE, MIKTOARM STAR POLYMERS BY A COMBINATION OF ATRP AND ROP</p> <p><u>P.S. SANE</u>¹ and P.P. WADGAOKAR</p> <p>¹Polymer Science and Engineering Division, National Chemical Laboratory, Pune(India)- 411008 - ps.sane@ncl.res.in</p>
PII-63	<p>CONTROLLABLE SYNTHESIS OF POLY(N-VINYLPHTHALIMIDE) AND ITS BLOCK COPOLYMERS BY REVERSIBLE ADDITION FRAGMENTATION CHAIN TRANSFER</p> <p><u>C.-G. DJAMILA</u>^{1,2}, B. AHMED¹, A. ABDELHAFID³ AND J. CHRISTINE³</p> <p>¹ Université des Sciences et de la Technologie Houari Boumedienne. Faculté de chimie, Laboratoire de Synthèse Macromoléculaire et Thio-organique Macromoléculaire, B.P. 32 El-Alia, 16111, Bab-Ezzouar Alger, Algérie. E-mail : djchikhaoui@yahoo.fr</p> <p>² Centre de Recherche Scientifique et Technique en Analyses Physico-chimiques (CRAPC), B.P 248, Alger RP 16004, Algérie</p> <p>³ Centre for Education and Reasearch on macromoelecules (CERM). University of Liège, Sart-Tilman, B6a, 4000 Liège. Belgium.</p>
PII-64	<p>THE SYNTHESIS, CHARACTERIZATION AND OPTICAL PROPERTIES OF DOPED POLYANILINE</p> <p><u>K. SUBRAMANYA</u>¹, V. MANJUNATHA¹, M.V.N. AMBIKA PRASAD² & H. DEVENDRAPP A^{1*}</p> <p>¹Dept. of Physics, Mangalore University Mangalagangothri, Mangalore-574 199, India</p> <p>²Department of Materials Science, Gulbarga University Gulbarga - 585 106, India - dehu2010@gmail.com</p>
PII-65	<p>IMPROVING OF BONDING ON CHITOSAN/XANTHAN BIOHYDROGELS BY ATMOSPHERIC PRESSURE PLASMA TREATMENTS</p> <p><u>L. E. CRUZ-BARBA</u>, A.D.J. MARTINEZ-GOMEZ, J.A. CASTRO-CASTRO, A. MARTINEZ-RUVALCABA, A. GONZALEZ-ALVAREZ</p> <p>Biomaterials and Nanotechnology Laboratory, Plasma Science and Engineering Laboratory, Department of Chemical Engineering, University of Guadalajara, Blvd. Marcelino Garcia Barragan 1421, 44430 Guadalajara (Mexico) – leruzz@yahoo.com</p>
PII-66	<p>REFRACTIVE INDEX AND DISPERSIVE ENERGY OF NiSO₄ DOPED POLYETHYLENE OXIDE FILMS</p> <p><u>H. DEVENDRAPP A</u>^{1*}, K. SUBRAMANYA¹, V. MANJUNATHA¹ & M.V.N. AMBIKA PRASAD²</p> <p>¹Dept. of Physics, Mangalore University Mangalagangothri, Mangalore-574 199, India</p> <p>²Department of Materials Science, Gulbarga University Gulbarga - 585 106, India *E-mail: dehu2010@gmail.com</p>
PII-67	<p>STUDIES OF THE STABILITY OF OCTADECYLPHOSPHONIC ACID (OPA) LANGMUIR-BLODGETT FILMS ON Si, Al, GRAPHITE AND MICA</p> <p><u>R. DEY</u>¹, H.-Y. NIE², W.M. LAU²</p> <p>¹Department of Physics and Astronomy, the University of Western Ontario, London, Ontario N6A 3K7, Canada. - Ripon4t@gmail.com</p> <p>²Surface Science Western, The University of Western Ontario, London, Ontario N6A 5B7, Canada,</p>
PII-68	<p>MODELLING CONSTRAINT RELEASE (CR) IN A "POM-POM" MELT</p> <p><u>L.G.D.HAWKE</u>¹, D.J. READ²</p> <p>¹ Department of Applied Mathematics, University of Leeds, Leeds, LS2 9JT, United Kingdom– mmlgdh@maths.leeds.ac.uk</p> <p>²Department of Applied Mathematics, University of Leeds, Leeds, LS2 9JT, United Kingdom</p>
PII-69	<p>NONVOLATILE BLOCK COPOLYMER PHOTONIC GELS</p> <p><u>Y. KANG</u></p>

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PII-70	<p align="center">POLYMER TRANSPORTS BY MANIPULATING THE FLOW DYNAMICS INSIDE EVAPORATING DROPLETS OF WATER SOLUTION</p> <p align="center"><u>J.-H. KIM</u>, W.-C.L ZIN</p> <p><i>Polymer Materials Physics Laboratory, Department of Materials Science and Engineering, University of Pohang Science and Technology, Hyoja-Dong San 31, 790-784 Pohang (South Korea) – kjh9523@postech.ac.kr</i></p>
PII-71	<p align="center">TISSUE ENGIENIERING SCAFFOLDS MADE BY PLASMA SURFACE MODIFICATION OF ELECTROSPUNED NANOFIBERS.</p> <p align="center"><u>R. OLAYO</u>¹, J. AUSTRIA², L. AVILA-GUTIERREZ², J. MORALES¹</p> <p><i>¹ Departamento de Física ²D Departamento de Ingeniería Eléctrica. Universidad Autónoma Metropolitana, Unidad Iztapalapa, Apdo. Postal 55-534, Iztapalapa, México, D. F. Mexico - oagr@xanum.uam.mx</i></p>
PII-72	<p align="center">MACROMOLECULAR TRANSPORT WITHIN CYLINDRICAL NANOPORES</p> <p align="center"><u>T. D. LAZZARA</u>^{1,2}, A.K.H. LAU², W. KNOLL³, A. JANSHOFF⁴, C. STEINEM¹</p> <p><i>¹Institute of Organic and Biomolecular Chemistry, Göttingen University, Tammannstrasse 2, 37077 Göttingen, Germany – thomas.lazzara@gmail.com</i></p> <p><i>²Max Planck Institute for Polymer Research, Ackermannweg 10, D55128 Mainz, Germany</i></p> <p><i>³Austrian Institute of Technology, Donau City Strasse 1, 1220 Vienna, Austria</i></p> <p><i>⁴Institute of Organic and Biomolecular Chemistry, Göttingen University, Tammannstrasse 2, 37077 Göttingen, Germany</i></p>
PII-73	<p align="center">DYNAMIC MECHANICAL PROPERTIES OF POLY (ESTER-ETHER) URETHANE/TETRA-POD LIKE ZnO WHISKER DAMPING COMPOSITES</p> <p align="center"><u>C. MA</u>^{1,2}, E.-F. CHEN², T. SUN^{1,*}, J. XU²</p> <p><i>¹College of Sciences, Northeastern University, No.11, WenHua Road, HePing District, 110819 Shenyang (PR China) – lg_365@163.com</i></p> <p><i>²Department of Material Science and Engineering, Shenyang University of Chemical Technology, 11th Street, Shenyang Economic and Technological Development Zone, 110142 Shenyang (PR China)</i></p>
PII-74	<p align="center">STIMULI RESPONSIVE POLYMER BRUSHES AS SMART COATINGS: FROM SUPERHYDROPHOBIC TO SUPERHYDROPHILIC SURFACES</p> <p align="center"><u>A. MATEESCU</u>^{1,2}, E. STRATAKIS^{2,3}, M. BARBEROGLU^{2,4}, C. FOTAKIS^{2,4}, M. VAMVAKAKI^{2,3}, S.H. ANASTASIADIS^{1,2}</p> <p><i>¹Department of Chemistry, University of Crete, 710 03 Heraklion, Greece - mateescu@iesl.forth.gr</i></p> <p><i>²Institute of Electronic Structure and Laser, Foundation for Research and Technology - Hellas, Vassilika Vouton, 711 10 Heraklion, Greece</i></p> <p><i>³Department of Materials Science and Technology, University of Crete, 710 03 Heraklion, Greece</i></p> <p><i>⁴Department of Physics, University of Crete, 714 09 Heraklion, Greece</i></p>
PII-75	<p align="center">SYNTHESIS AND CHARACTERIZATION OF NOVEL GLYCOSURFACES AND THEIR INTERACTIONS WITH LECTINS AND CELLS</p> <p align="center"><u>A. MATEESCU</u>^{1,2}, J. YE³, R. NARAIN³, M. VAMVAKAKI^{2,4}</p> <p><i>¹Department of Chemistry, University of Crete, 710 03 Heraklion, Greece - mateescu@iesl.forth.gr</i></p> <p><i>²Institute of Electronic Structure and Laser, Foundation for Research and Technology - Hellas, Vassilika Vouton, 711 10 Heraklion, Greece</i></p> <p><i>³Department of Chemistry and Biochemistry, Laurentian University, 935 Ramsey Lake Rd, P3E 2C6 Sudbury, Canada</i></p> <p><i>⁴Department of Materials Science and Technology, University of Crete, Voutes, 710 03 Heraklion, Greece</i></p>
PII-76	<p align="center">A MONTE CARLO STUDY OF THE COIL-TO-GLOBULE TRANSITION OF MODEL POLYMER CHAINS IN BULK AND NEAR AN ATTRACTIVE SURFACE</p>

	<p align="center"><u>A.N. RISSANOU</u>¹, S.H. ANASTASIADIS^{1,2}, I.A. BITSANIS¹</p> <p>¹<i>Institute of Electronic Structure and Laser, Foundation for Research and Technology-Hellas, P.O. Box 1527, 711 10 Heraklion Crete,(Greece) – rissanou@iesl.forth.gr</i></p> <p>²<i>Department of Chemistry, University of Crete, P.O. Box 2208, 710 03 Heraklion Crete,(Greece).</i></p>
PII-77	<p align="center">COMPLEX FORMATION BETWEEN BOVINE SERUM ALBUMINE AND POLY(METHACRYLAMIDOPROPYLTRIMETHYLAMMONIUM CHLORIDE)</p> <p align="center"><u>T. ASIMAKOPOULOS</u> and <u>G. STAIKOS</u></p> <p><i>Department of Chemical Engineering, University of Patras 26504, Patras, Greece</i></p>
PII-78	<p align="center">CHEMORHEOLOGICAL STUDY OF DGEBA/IPD THERMOSET SYSTEM FOR ROTATIONAL MOLDING</p> <p align="center">E. MOUNIF, S. FARZANEH, <u>A. TCHARKHTCHI</u></p> <p><i>Arts et Métiers ParisTech (ENSAM), 151 Bld de l'Hopital 75013 Paris - FRANCE</i></p>
PII-79	<p align="center">FABRICATION AND CHARACTERIZATION OF POLYMER NANOCOMPOSITES BASED ON CARBON NANOTUBE FILMS</p> <p align="center"><u>G. TRAKAKIS</u>¹, K. PAPAGELIS², D. TASIS², J. PARTHENIOS¹, C. GALIOTIS^{1,2}</p> <p>¹<i>Institute of Chemical Engineering and High Temperature Chemical Processes - Foundation of Research and Technology Hellas, 26504 Patras, Greece. Email: trakakis@iceht.forth.gr</i></p> <p>²<i>Department of Materials Science, University of Patras, 26504 Patras, Greece</i></p>
PII-80	<p align="center">NANOSTRUCTURED LINEAR AND STAR BLOCK COPOLYMERS AND TERPOLYMERS BASED ON POLYSTYRENE UNDER TENSION AND COMPRESSION: TAILORING OF MOLECULAR PARAMETERS TO MECHANICAL BEHAVIOUR</p> <p align="center"><u>G. TSOUKLERI</u>^{1,2}, G. LINARDATOS^{1,2}, J. PARTHENIOS¹, O. MONTISELLI³, S. RUSSO³, C. GALIOTIS^{1,4} AND C. TSITSILIANIS^{1,5}</p> <p>¹ <i>Foundation of Research and Technology Hellas, Institute of Chemical Engineering and High Temperature Processes, Stadiou str. Platani, P.O. Box 1414, Patras GR-265 04, Greece</i></p> <p>² <i>Interdepartmental Programme in Polymer Science and Technology, University of Patras, Patras, Greece</i></p> <p>³ <i>Department of Chemistry and Industrial Chemistry, University of Genoa, Via Dodecaneso 31, 16146 Genoa, Italy</i></p> <p>⁴ <i>Department of Materials Science, University of Patras, University Campus, Patras GR-265 04, Greece</i></p> <p>⁵ <i>Department of Chemical Engineering, University of Patras, University Campus, GR26500 Patras, Greece</i></p>
PII-81	<p align="center">AMID-SULFONAMID CONTAINING POLY(HEMA-co-MMA) BASED SORBENT AND SELECTIVE REMOVAL OF MERCURY IONS FROM WATER</p> <p align="center"><u>S.CEKLI</u>, E. YAVUZ, B. F. SENKAL</p> <p><i>Istanbul Technical University, Department of Chemistry, 34469, Maslak-Istanbul/TURKEY</i> <i>bsenkali@itu.edu.tr, <u>cekli@itu.edu.tr</u></i></p>