

Poster Place	TITLE	AUTHORS	TOPIC
PS01	Functionalization of medical device surfaces via photocatalytic reactions	Simone D'Onofrio, Fabio Bignotti	Biomaterials
PS02	PLA-Based Foams as Scaffolds for Tissue Engineering Applications	Luciana Sartore, Stefano Pandini, Fabio Bignotti, Federica Chiellini	Biomaterials
PS03	Antimicrobial Studies on Iron Oxide-Dextran Colloidal Suspension	Daniela Predoi, Simona Liliana Icoanru, Nicolas Buton, Gabriel Predoi, Florica Barbuceanu, Cristian Catalin Petre, Gabriel Jiga, Monica Luminita Badea, Alina Mihaela Prodan	Biomaterials
PS04	Viscoelastic behaviour of novel PCL/hydroxyapatite nanocomposites for bone regeneration	Maria Rossella Nobile, Francesca Greco, Giovanni Dal Poggetto, Giovanna Gomez d'Ayala, Paola Laurienzo	Biomaterials
PS05	Cellular Response to PCL/ZrO ₂ Hybrid Materials Synthesized Via Sol-Gel As a Function of PCL content	Michelina Catauro, Elisabetta Tranquillo, Michela Illiano, Luigi Sapio, Annamaria Spina, Silvio Naviglio	Biomaterials
PS06	A Multi-Technique Approach to Characterize Bioactive Silicate Composites	Michelina Catauro, Elisabetta Tranquillo, Francesco Dal Poggetto, Stefano Vecchio Cipriotti	Biomaterials
PS07	Bioactivity, Biocompatibility, Thermal Behavior and Antibacterial Properties of Calcium Silicate Composites Containing Ag	Michelina Catauro, Elisabetta Tranquillo, Stefano Vecchio Cipriotti	Biomaterials
PS08	Preparation of Sol-Gel Organic-Inorganic Hybrid Coatings for Controlled Drug Release	Flavia Bollino, Elisabetta Tranquillo, Federico Barrino, Michelina Catauro	Biomaterials
PS09	Keratin and coconut fibers from industrial wastes as flame retardant agents on thermoplastic starch biocomposites	Guadalupe Sanchez-Olivares, Sebastian Rabe, Ricardo Pérez-Chávez, Bernhard Scharrel	Biomaterials
PS10	Natural Polymer Blends: Thermal and Mechanical Behavior	Diego Antonioli, Michele Laus, Alina Sionkowska	Biomaterials
PS11	Electrospun fibers of poly(L-lactic acid) containing DEET	Irene Bonadies, Alessandra Longo, René Androsch, Maria Laura Di Lorenzo	Biomaterials
PS12	Studying Bone Substitute Biodegradable Polymer Materials by means of Acoustic Microscopy	Yulia Petronyuk, Vadim Levin, Vladimir Gorshenev, Anatoly Olkhov, Alexander Muraev, Elena Khramtsova, Egor Morokov	Biomaterials
PS13	Simple Fracture Testing of Hydrogels for Cartilage or Bone Tissue Engineering.	Lucio Nobile, Stefano Nobile	Biomaterials
PS14	A Molecular Dynamics Study on Lactic acid / Pyruvic acid Aqueous Solution used in a Biofuel Cell	Shigeki Matsunaga	Biomaterials
PS15	Novel Nanobiocomposite Hydrogels Based on Gelatin/Chitosan and Functionalized Graphene	Luciana Sartore, Kamol Dey, Silvia Agnelli, Fabio Bignotti, Nicola Lopomo, Muhammad Ahmed Khan, Vincenzina Barbera, Maurizio Galimberti	Biomaterials
PS16	Thermal and ablation resistance of syntactic foamed EPDMbased heat shielding materials	Maurizio Natali, Marco Rallini, Ivan Puri, Luigi Torre	Composites
PS17	Properties of Biocomposites based on (Hydroxybutyrate-Co-Valerate)	Dalila HAMMICHE, Amar BOUKERROU, Neethu Ninan	Composites
PS18	Reprocessing Of the Composites Based On the poly(Lactic acid) Loaded With Olive Husk Flour	Samra Isadounene, Amar Boukerrou, Dalila Hammiche, Denis Rodrigue†, Hocine Djidjelli	Composites
PS19	Impact of natural rubber on biological fouling and degradation of polyethylene composites	Ivetta Varyan, Elena Mastalygina, Natalya Kolesnikova, Anatoly Popov	Composites
PS20	Removal of Cd(II) from wastewater by Sustainable Absorber: Composite Diatomite-based Foams	Barbara Galzerano, Paolo Aprea, Barbara Liguori, Letizia Verdolotti	Composites

PS21	Commercial Hydroxyapatite Powders for Lead Removal from Aqueous Solution	Catalin Constantin Negrila, Daniela Predoi, Simona Liliana Iconaru, Mikael Motelica Heino, Regis Guegan, Gabriel Predoi, Florica Barbuceanu, Rodica V. Ghita, Gabriel Jiga, Alina Mihaela Prodan	Composites
PS22	ZnHAp Thin Films for Medical Applications	Simona Liliana Iconaru, Andreea Groza, Patrick Chapon, Sofia Gaiaschi, Cristian Catalin Petre, Gabriel Jiga, Mircea Beuran, Alina Mihaela Prodan, Olivera Lupescu, Daniela Predoi	Composites
PS23	Influence of Ionizing Radiations on Structural and Antibacterial Properties of Hydroxyapatite-Polydimethylsiloxane Layers	Andreea Groza, Simona Liliana Iconaru, Gabriel Jiga, Monica Luminita Badea, Alina Mihaela Prodan, Mircea Beuran, Patrick Chapon, Sofia Gaiaschi, Nicoleta Vineticu, Daniela Predoi	Composites
PS24	Reinforcing Poly(ϵ -caprolactone) with Hollow Glass Microspheres and Hemp Fibers – Morphological, Rheological and Mechanical Properties	Adriano Vignali, Giulio Falcone, Fabio Bertini, Paola Stagnaro, Roberto Utzeri, Salvatore Iannace	Composites
PS25	Preparation, Microstructure and Mechanical Properties of Geopolymer composites	Flavia Bollino, Giuseppe Lamanna, Michelina Catauro	Composites
PS26	Magnetic Properties Of Sol-Gel Hybrid Materials For Aerospace Field	Michelina Catauro, Elisabetta Tranquillo, Francesco Dal Poggetto, Flavia Bollino	Composites
PS27	Preliminary experimental results of the hierarchical growth of Carbon Nanotubes on recovered Carbon fibers by CCVD method	Carmela Borriello, Sabrina Portofino, Pierpaolo Iovane, Anna De Girolamo Del Mauro, Riccardo Miscioscia, Carla Minarini, Sergio Galvagno	Composites
PS28	Some aspects of the development of oat husks containing polypropylene composites	Remo Merijs Meri, Janis Zicans, Tatjana Ivanova, Ivan Bochkov, Madara Varkale, Piotr Franciszczak, Andrzej K. Bledzki, Janis Gravitis	Composites
PS29	Novel pultrusion process for bended rebars for civil engineering application	Gianluca Cicala, Sandeep Sailesh Kumar, Ignazio Blanco, Giuseppe Manuele, Antonino Recca	Composites
PS30	Evaluation of Performance of PET Packaging Films Based on Different Copolyester O ₂ -Scavengers	Annalisa Apicella, Paola Scarfato, Luciano Di Maio, Emilia Garofalo, Loredana Incarnato	Composites
PS31	Light Weight LDPE Composites with Surface Modified Hollow Glass Microspheres	Giulio Falcone, Adriano Vignali, Roberto Utzeri, Gloria Porta, Fabio Bertini, Paola Stagnaro, Salvatore Iannace	Composites
PS32	PVDF/BaTiO ₃ Composites as Dielectric Materials: Influence of Processing on Properties	Elisabetta Brunengo, Lucia Conzatti, Ilaria Schizzi, Chiara Costa, Maria Teresa Buscaglia, Giovanna Canu, Maila Castellano, Vincenzo Buscaglia, Paola Stagnaro	Composites
PS33	Relaxation of Residual Stresses during Curing of Polymer Matrix Composites	Francesca Lionetto, Antonio Greco, Francesco Montagna, Anna Moscatello, Alfonso Maffezzoli	Composites
PS34	Peculiarities of the Forming of Metal-Fluoropolymer Composites Fabricated by Explosive Pressing	L.N. Ignatieva, G.A. Zverev, N.A. Adamenko, A.V. Kazurov, A.Yu. Ustinov, V.M. Bouzrik	Composites
PS35	Numerical and Experimental Evaluation of Stress Relaxation in Hybrid Composite-Metal Bolted Joints	De Luca Alessandro, Greco Alessandro, Armentani Enrico, Sepe Raffaele, Caputo Francesco	Composites
PS36	Development of an Established FE Model for the Simulation of LVI Tests on GFRP Plates	Giuseppe Lamanna, Constantin Opran, Donato Perfetto	Composites
PS37	Experimental Investigation of GFRP Plates Under LVI Phenomena with Different Impact Energy Levels	Donato Perfetto, Alessandro Greco, Francesco Caputo	Composites

PS38	Time Domain Quantum Photonic Analysis for Estimation of Refractive Index in an Organic 2-Methyl-4-NitroAniline Monoclinic Crystal	Hassan Kaatuzian	Composites
PS39	Structural and Mechanical Properties of PLA-Hydroxyapatite Composites Studied by the Scanning Impulse Acoustic Microscopy	Morokov E.S., Demina V.A, Sedush N.G., Khrantsova E.A., Zykova A.K., Grigoriev T.E., Petronyuk Y.S., Chvalun S.N., Levin V.M.	Composites
PS40	Effect of Waterborne Polyurethane on Mechanical Properties of Impregnated Fabrics	Antonella Patti, Domenico Acierno	Composites
PS41	Life Cycle Assessment – A Tool to eco-Design Structural Composite Parts	Thomas Reichert, Ana Salles	Composites
PS42	Organic-Inorganic Hybrid Composites for Removal of Heavy Metal Ions from Water	Luciana Sartore, Kamol Dey	Composites
PS43	Carbon fibre functionalization by plasma treatment for adhesion enhancement on polymers	Mauro Giorcelli, Salvatore Guastella, Pietro Mandracci, Yana Liang, Xiaoying Li, Alberto Tagliaferro	Composites
PS44	Theoretical Approach to the Study of Fatigue of Composites Under Spectrum Loading	America Califano, Raffaella Dell'Aversano	Composites
PS45	Development and Characterization of PP Eco-Composites Filled with Inertized Residues from Municipal Solid Waste Incinerator	Paola Scarfato, Emilia Garofalo, Bartolomeo Coppola, Giovanni Landi, Heinrich Christoph Neitzert, Michela Pasquali, Elza Bontempi	Composites
PS46	Microplastics released from washings of synthetic fabrics: quantification and influencing parameters	Maurizio Avella, Emilia Di Pace	Composites
PS47	Thermo-mechanical and physical characterization of polyolefin based films for photovoltaic cells	Annamaria Visco, Gaetano Di Marco, Cristina Scolaro, Daniela Iannazzo, Lorenzo Torrisi	Durability
PS48	Environmental degradation of polymers for cultural heritage	M.C. Mistretta, L. Ascione, L. Botta F.P. La Mantia	Durability
PS49	Temperature-Memory Effect in 3D Printed Photopolymers with Broad Glass Transition	Nicoletta Inverardi, Stefano Pandini, Fabio Bignotti, Giulia Scalet, Stefania Marconi, Ferdinando Auricchio	Glass Transition
PS50	The effect of a succinic anhydride/succinil-fluoresceine grafted atactic polypropylene on Polypropylene/Polyamide 6 Blends at the Polypropylene Glass Transition as Revealed by Dynamic Mechanical Analysis.	Jesús María García Martínez, Jesús Taranco, Susana Areso, Emilia P. Collar	Glass Transition
PS51	Study of Paperboard Material Layered with Plasticized Polyhydroxybutyrate/Nanocellulose Coatings for Packaging Application	Debora Puglia, Francesca Luzi, Irene T. Seoane, Viviana P. Cyras, Liliana B. Manfredi, Luigi Torre	Nano-Composites
PS52	Anisotropic Thermal Conductivity Study of Nano-additives/Epoxy based Nanocomposites	Vittorio Romano, Carlo Naddeo, Luigi Vertuccio, Khalid Lafdi, Liberata Guadagno	Nano-Composites
PS53	THERMAL DEGRADATION AND FIRE PROPERTIES OF EPOXY MODIFIED RESINS	Giuseppina Barra, Luigi Vertuccio, Carlo Naddeo, Liberata Guadagno, Maurizio Arena, Massimo Viscardi	Nano-Composites
PS54	Free-volume Structure of glass-As ₂ Se ₃ /PVP Nanocomposites Prepared by Mechanochemical Milling	Oleh Shpotyuk (a, Adam Ingram, Zdenka Bujňáková, Peter Baláž, Yaroslav Shpotyuk (e, Catherine Boussard-Pledel, Bruno Bureau	Nano-Composites
PS55	Synthesis, characterization and photovoltaic properties of new iridium-containing conjugated polymers	M. L. Keshtov, S.A. Kuklin, A.Yu. Nikolaev, Fang-Chung Chen, Zhi-Yuan Xie	Nano-Composites
PS56	Morphological, Rheological and Electrical Study of PLA reinforced with carbon-based fillers for 3D Printing Applications	Luigi Egiziano, Patrizia Lamberti, Giovanni Spinelli, Vincenzo Tucci, Rumiana Kotsilkova, Sonia Tabakova, Evgeni Ivanov, Clara Silvestre, Rosa Di Maio	Nano-Composites
PS57	White-white polymer joints made with different laser absorbing nano fillers: physical-mechanical features	Cristina Scolaro, Annamaria Visco, Lorenzo Torrisi, Eugenio Pedullà	Nano-Composites

PS58	Preparation Optimization of Chitosan/Graphene Oxide Aerogels: Tailoring of Dye Adsorption Ability and Mechanical Properties	Martina Salzano de Luna, Chiara Ascione, Chiara Santillo, Giovanna G. Buonocore, Letizia Verdolotti, Hesheng Xia, Marino Lavorgna	Nano-Composites
PS59	Dispersion and evaluation of organically modified nanoclays as performance enabling fillers for pPVC synthetic leathers	Loris Giorgini, Sergio Ballardini, Tiziana Benelli, Laura Mazzocchetti, Giorgio Zattini	Nano-Composites
PS60	Structure and Sieving Mechanism of High Selective Graphene-based Membranes	Davide Pierleoni, Matteo Minelli, Simone Ligi, Vittorio Morandi, Vincenzo Palermo, Ferruccio Doghieri	Nano-Composites
PS61	Polyethylene terephthalate composites with multi-walled carbon nanotubes: evaluation of thermoelectric capacities	Janis Zicans, Juris Bitenieks, Tatjana Ivanova, Remo Merijs Meri, Krisjanis Buks	Nano-Composites
PS62	Evaluation of Thermal and Electrical Conductivity of Carbon-based PLA Nanocomposites for 3D Printing	Patrizia Lamberti, Giovanni Spinelli, Polina P. Kuzhir, Liberata Guadagno, Carlo Naddeo, Vittorio Romano, Rumania Kotsilkova, Polya Angelova, Vlado Georgiev	Nano-Composites
PS63	A FORMATION OF THE MULTIFUNCTIONAL METAL-POLYMER COMPOSITE WITH ANTISEPTIC, ANESTHETIC AND BACTERICIDAL PROPERTIES BY GREEN TECHNOLOGIES	Said-Galiev E.E., Rubina M.S., Vasil'kov A.Yu., Naumkin A.V., Khokhlov A.R., Abd-Elsalam K.A.	Nano-Composites
PS64	Preparation and Characterization of Submicrometric Fibers of Nanocomposites Based on PVDF filled with CuNp	Javier González-Benito, Dania Olmos, Morena Iorio, Jorge Teno, Alba Rodríguez	Nano-Composites
PS65	Degradation-Relaxation Phenomenology in Nanocomposites: on the Linearized Kinetics Crossover	Valentina Balitska, Oleh Shpotyuk, Michael Brunner	Nano-Composites
PS66	Surface Modification of ABS Nanocomposites Via Plasma Polymerization of Fluorocarbon	Julio R. Bartoli, Igor Abbe, Marcelo N. P. Carreño, Ines Pereyra, Elizabeth G. Fernandes	Nano-Composites
PS67	Cellulose Nanofibrils as reinforcing agents for PLA-based nanocomposites: novel in situ approach	Stefano Gazzotti, Minna Hakkarainen, Riccardo Rampazzo, Daniele Bussini, Marco Aldo Orteni, Hermes Farina, Giordano Lesma, Alessandra Silvani	Nano-Composites
PS68	Evaluation of the Molecular Network in Amorphous Layers of Semicrystalline Polyethylene	Zbigniew Bartczak	Nanoconfined polymers
PS69	Analysis of phosphorus-end capped functional polymers, from bulk to ultrathin films	Valentina Gianotti, Diego Antonioli, Katia Sparnacci, Gabriele Seguini, Claudio Cassino, Michele Perego, Michele Laus	Nanoconfined polymers
PS70	Deterministic Doping via Self-Limited Grafting of Phosphorus End-Terminated Polymers	Riccardo Chiarcos, Diego Antonioli, Valentina Gianotti, Katia Sparnacci, Michele Laus, Gabriele Seguini, Elisa Arduca, Andrea Nomellini, Michele Perego	Nanoconfined polymers
PS71	Study of Thermal Properties and Degradation of Low-Molecular Fluorocarbon Polymers	Lidiiia N. Ignateva, Vavim A. Mashchenko, Olga M. Gorbenko, Grigoriy A. Zverev	Polymer Chemistry
PS72	From Grafting To to Grafting From	Riccardo Chiarcos, Diego Antonioli, Valentina Gianotti, Katia Sparnacci, Michele Laus, Gabriele Seguini, Fabio Zanenga, Michele Perego	Polymer Chemistry
PS73	Synthesis and properties of polynorbornenes containing trialkoxysilyl groups	Dmitry A. Alentiev, Maxim V. Bermeshev, Lyudmila E. Starannikova, Yuri P. Yampolskii, Ekaterina B. Krut'ko, Andrey F. Asachenko, Pavel S. Gribanov, Maxim A. Topchiy, Mikhail S. Nechaev, Eugene Sh. Finkelshteina	Polymer Chemistry

PS74	Synthesis and metathesis polymerization of fluorine-containing tricyclonones	Gleb O. Karpov, Ilya L. Borisov, Boris A. Bulgakov, Maxim V. Bermeshev, Sergey R. Sterlin, Vladimir V. Volkov, Eugene Sh. Finkelshtein	Polymer Chemistry
PS75	Evaluation of L-Tryptophan – Late Curing Agent Systems as Hardener for Epoxy Resin	Laura Mazzocchetti, Stefano Merighi, Tiziana Benelli, Loris Giorgini	Polymer Chemistry
PS76	Multiojective Tabu Search Method for the Optimization of Block Copolymers Structure	Teodora Rusu, Oana Marilena Gogan	Polymer Chemistry
PS77	Novel Poly(ethersulphone)s bearing pendant carboxylic acid groups for membranes: structure and thermal properties	Gianluca Cicala, Chiara Di Mauro, Ignazio Blanco, Giulia Ognibene, Filippo Samperi, Antonino Recca	Polymer Chemistry
PS78	Boron-Terminated Polystyrene as Potential Spin-on Dopant for Microelectronic Applications	Cristiano Aliberti, Diego Antonioli, Katia Sparnacci, Valentina Gianotti, Michele Laus, Giovanni Paleari, Elisa Arduca, Gabriele Seguini, Michele Perego	Polymer Chemistry
PS79	Multishell Hybrid Magnetic Nanoparticles for Phosphopeptide Enrichment	Katia Sparnacci, Diego Antonioli, Valentina Gianotti, Michele Laus, Aldo Laganà, Susy Piovesana	Polymer Chemistry
PS80	Use of Self-Assembled Monolayers to Improve the Hydrophobic Properties of PET Film for Photovoltaic Applications	Nicola Schiavone, Gabriella Rossi, Loredana Incarnato, Paola Scarfato	Polymer Chemistry
PS81	Thermal Characterization of Epoxy Adhesives Modified with Nanofillers for Hybrid Friction Stir Welding Process	Sofia Maggiore, Paola Stagnaro, Roberto Utzeri, Matteo Pedemonte, Giorgio Luciano	Polymer Chemistry
PS82	Cross-linking of addition copolymers based on 3-trimethylsilyltricyclo[4.2.1.02,5]non-7-ene	Dmitry A. Alentiev, Maxim V. Bermeshev, Evgeniya V. Bermesheva, Eugene Sh. Finkelshtein	Polymer Chemistry
PS83	A new approach to the synthesis of polymers bearing 3,4-dihydroxyphenyl-moieties in side groups from eugenol and polybutadiene with help of thiol-ene reaction	Evgeniya V. Bermesheva, Pavel P. Chapala, Maxim V. Bermeshev	Polymer Chemistry
PS84	Influence of Gallic Acid and Umbelliferone on Structural and Functional Properties of Poly(vinyl alcohol-co-ethylene) Films for Food Packaging	Francesca Luzi, Debora Puglia, Franco Dominici, Luigi Torre	Processing
PS85	Investigation on the use of PLA/hemp composites for the fused deposition modelling (FDM) 3D printing	Bartolomeo Coppola, Emilia Garofalo, Luciano Di Maio, Paola Scarfato, Loredana Incarnato	Processing
PS86	Mechanical properties of virgin ABS/post-consumer ABS blends	Adriana Martinelli Catelli de Souza, Mayara Galego Cucchiara	Processing
PS87	Preparation and characterization of polybutylene succinate (PBS) and polybutylene adipate-terephthalate (PBAT) biodegradable blends	Maria Rossella Nobile, Andrea Crocitti, Mario Malinconico, Gabriella Santagata, Pierfrancesco Cerruti	Processing
PS88	Thermal Behavior of PEI/PETG blends for the application in Fused Deposition Modelling (FDM)	Ignazio Blanco, Mario Rapisarda, Salvatore Portuesi, Giulia Ognibene, Gianluca Cicala	Processing
PS89	Electrical Properties of a Unique Solid Array Capacitor with 6 Capacitance consisting of 4 Electrodes and 3 Organic Dielectrics in Single Body	Hwa-Sun Park, Young-Il Na, Ho-Joon Choi, Dae-Seok Seo, Su-Jeong Suh, Sang-Woo Han, Jung-Rag Yoon	Processing
PS90	"Mechanotropic" Mechanism of Electrospinning	S.V.Kotomin, V.G.Kulichikhin, I.Yu.Skvortsov	Processing
PS91	Characterization of Hyaluronic Acid by Dynamic Light Scattering and Rheological Techniques	Andrea Doderò, Rhodri Williams, Simona Gagliardi, Silvia Vicini, Marina Alloisio, Maila Castellano	Rheology
PS92	Dependence of Suspension Complex Viscosity on Frequency: Strain-controlled vs. Stress-controlled Tests	Raffaella Martone, Liana P. Paduano, Claudia Carotenuto, Mario Minale	Rheology
PS93	Evaluating the Reliability of a Cantilever Biosensor for Disease or Cell Detection	Lucio Nobile, Stefano Nobile	Sensors