POSTER SESSION, TUESDAY 6TH MAY 2025

POLYMERS FROM RENEWABLE RESOURCES

P1	PHOTOINDUCED POLYMERIZATION OF B-PINENE AND THIOL-ENE FUNCTIONALIZATION: A DUAL APPROACH TO RENEWABLE POLYMERS ZEHRA GUL COBAN, AZRA KOCAARSLAN, BARIS KISKAN
P2	ON NOVEL CROSS-LINKED FORMULATIONS MADE FROM EPOXIDIZED SOYBEAN OIL ACRYLATE AND N-ISOPROPYLACRYLAMIDE MARTINA COZZANI, DANIELE NUVOLI, ALBERTO MARIANI, ORIETTA MONTICELLI
P3	ZEIN-BASED SUBSTRATES FOR FLEXIBLE ELECTRONICS D.GENTILE, V. BARBERA, A. BOTTARI, A. RAVICINI, M. GALIMBERTI
P4	RELATION BETWEEN PLASTICIZING EFFECT OF DEEP EUTECTIC SOLVENTS AND MOLECULAR WEIGHT OF CHITOSAN MAGDALENA GIERSZEWSKA, EWA OLEWNIK-KRUSZKOWSKA
P5	HYDROPHOBIC COATINGS DEVELOPMENT FOR CELLULOSE BASED PACKAGING ANGELICA GIOVAGNOLI, DANIELE CARETTI, DANIELE CORTECCHIA, GIOVANNI MAZZOTTI, FIORENZO PARRINELLO, FABRIZIO PUCCI
P6	DEVELOPMENT OF BIO-BASED POLYMERIC MATERIALS TO PRODUCE BIODEGRADABLE IRRIGATION PIPES FOR MICRO-IRRIGATION IN HORTICULTURE GIUSEPPE GRAVINA, JOSEPH TAGOE, LUCIANO DI MAIO, CLAUDIO PELLECCHIA,
P7	DEVELOPMENT AND CHARACTERIZATION OF PAMAM-METHACRYLATE FUNCTIONAL STARCH POLYMER FOR CONTROLLED UREA RELEASE AYLIN KAYMAZ, ZIYA CIFCI, METIN TULU, TARIK EREN
P8	RHEOLOGICAL AND SPINNING PROPERTIES OF A STARCH-DERIVED BIODEGRADABLE POLYMER FRANCESCO P. LA MANTIA, MARILENA BAIAMONTE, MARCO MORREALE
P9	GREEN COMPOSITES FROM RECYCLED POLYPROPYLENE AND HAZELNUT SHELL FLOUR FOR APPLICATION IN IRRIGATION FRANCESCO PAOLO LA MANTIA, GIUSEPPE BALSAMO, MARIA CLARA CITARRELLA, CARMELO GIUFFRE', SIMONE CORVISERI, ERICA RODI
P10	COMPARATIVE STUDY OF THE PERFORMANCE AND DEGRADATION BEHAVIOR OF SUSTAINABLE IRRIGATION LIGHT DRIPLINES BASED ON BIODEGRADABLE POLYMER BLENDS MELANIA LEANZA, MARCO RAPISARDA, ERICA RODI, CARMELO GIUFFRÈ, ANTONINO OLIVERI, FRANCESCO PAOLO LA MANTIA, PAOLA RIZZARELLI
P11	POLYPHOSPHOESTER-POLYCAPROLACTONE COPOLYMERS: CONTROLLING MICROSTRUCTURES AND HYDROLYSIS RATES SANCHI LUTHRA, MARK HEMPENIUS, FREDERIK R.WURM
P12	LATEXES BASED ON VEGETABLE OIL-DERIVED MONOMERS AND THEIR COATING APPLICATIONS JANA MACHOTOVÁ, MARTIN KOLÁŘ, ŠTĚPÁN PODZIMEK, JAN HONZÍČEK, MARTIN HÁJEK

POLYMERS FROM RENEWABLE RESOURCES	
P13	FREE RADICAL COPOLYMERIZATION OF BIO-BASED ITACONATE MONOMERS SARA MOHEBBI, ROBIN A. HUTCHINSON, TOMAŽ PIRMAN
P14	DEVELOPMENT AND CHARACTERIZATION OF NOVEL ACTIVE BIOBASED MATERIALS BASED ON CELLULOSE ACETATE PROPIONATE INCORPORATED WITH SURFACTANT AND QUERCETIN EWA OLEWNIK-KRUSZKOWSKA, MAGDALENA WRONA, MARTINA FERRI, PAOLA FABBRI, MAGDALENA GIERSZEWSKA
P15	AMYLOID-BASED BIOMATERIALS FOR INNOVATIVE APPLICATIONS REALIZED BY ADDITIVE MANUFACTURING & ELECTROSPINNING AURORA PASTORE, LUCREZIA DE LUISE, PAOLA LAURIENZO, IRENE BONADIES, PAOLA CICATIELLO, UGO D'AMORA, ALESSANDRA PISCITELLI, PAOLA GIARDINA
P16	ATRP OF 4-VINYL GAUAICOL ACETATE: RENEWABLE MONOMER SYNTHESIS AND ITS POLYMERIZATION NICOLA PORCELLI, FABRIZIO RONCAGLIA, FRANCESCA PARENTI, IZABELA ZABORNIAK, PAWEL CHMIELARZ
P17	BIO-SOURCED ALIPHATIC POLYCARBONATE NETWORKS FOR CO2 GAS SEPARATION TOM REIMERS, DAAN VAN HAVERE, IRIAN BAERT, PHILIPP HOLZMÜLLER, MARZI SHIRINIA, HOLGER FREY, RHEA VERBEKE
P18	3D PRINTING OF ACRYLATE EPOXIDIZED SOYBEAN OIL (AESO)-BASED COMPOSITES CONTAINING LIGNIN F. SACCHI, G. COLUCCI, F. BONDIOLI, M. MESSORI
P19	BIOSOURCED AMPHIPHILIC COPOLYMERS FOR MRNA DELIVERY ALEXY SANSEIGNE, XIAOXIA ZHU, MARC LAVERTU, AUDREY LAVENTURE
P20	BIODEGRADATION BEHAVIOR OF POLY (LACTIC ACID) BASED COMPOSITES FILLED WITH SHORT NATURAL FIBERS ANDREA A. SCAMPORRINO, LIBERA VITIELLO, MARTINA SALZANO DE LUNA, EDOARDO PODDA, SABRINA C. CARROCCIO, GIOVANNI FILIPPONE
P21	**ENABLING CHEMICAL RECYCLABILITY OF CATALYST-FREE THERMOPLASTIC URETHANES** ADRIÀ ROIG, FILIP E. DU PREZ
P22	SYNTHESIS OF AN INEDIBLE BIOMASS-DERIVED REACTIVE SURFACTANT FOR EMULSION POLYMERIZATION AND ITS EFFECT ON WATER RESISTANCE SEUNG H. SHIN, MAI TOAN, KIOK KWON
P23	SYNTHESIS AND CARBANIONIC POLYMERIZATION OF 4,8-DIMETHYLNONA-1,3,7-TRIENE (DMNT): A NEW BIO-BASED MONOMER M. M. SIMON, D. ROHRMANN, H. FREY
P24	GELATIN/PECTIN HYDROGELS FOR COSMETIC APPLICATIONS JOANNA SKOPINSKA-WISNIEWSKA, MARTA KONIECZKA

POLYMERS FROM RENEWABLE RESOURCES	
P25	DEVELOPMENT OF A BLOCKED AND AN IN-SITU CATALYST FOR BIO-BASED GREEN RESINS ALESSIO STELLINI, IRENE PRADELLA, LUCA SCHEGGIA, DIEGO ANTONIOLI, RICCARDO CHIARCOS, MICHELE LAUS
P26	EFFICIENT METHOD FOR PRODUCTION OF SULFATED CELLULOSE NANOCRYSTALS WITH CONTROLLABLE SURFACE CHARGES HAN TAO, VISHNU ARUMUGHAN. EERO KONTTURI
P27	HETEROGENEOUS INITIATING SYSTEMS FOR RING-OPENING POLYMERIZATION OF ε-CAPROLACTONE: FROM REUSEBLE CATALYST TO SURFACE MODIFIED NANOSHEETS IRINA V. VASILENKO, SERGEI V. KOSTJUK,HONGZHI LIU, SELVAKUMAR MARUGESAN
P28	BIOHYDROGEN AND BIOPLASTICS PRODUCTION FROM ORGANIC WASTE VIA DARK FERMENTATION E. KYZAKIS, N. C. STRATIGAKIS, A. MARAGKAKI, T. JAFARPOUR CHECKAB, I. CHOINOPOULOS, L. DE TONI, A. KALIAKATSOS, D. VENIERI, TH. MANIOS, K. VELONIA
P29	HIGHLY CHARGED CELLULOSE NANOCRYSTALS VIA ELECTROCHEMICAL OXIDATION NEPTUN YOUSEFI, JENNA HANNONEN, LUKAS FLIRI, PEKKA PELJO, EERO KONTTURI

POSTER SESSION, TUESDAY 6TH MAY 2025

POLYMER RECYCLING, UPCYCLING AND DEPOLYMERIZATION

P30	**SEPARATING PHTHALATE PLASTICISERS FROM PVC WITH ACCELERATED SOLVENT EXTRACTION** PEDRO BIZARRO, MATHILDE SIBEAUD, ALEXANDRA BERLIOZ-BARBIER, ALEXANDRA CHAUMONNOT
P31	**EXPLORING A BIO-BASED BONDING MATERIAL (BBM) FOR IMPROVED RECYCLABILITY OF THERMOSET COMPOSITES (VIBES PROJECT)** E. CALLEJA, G. ROMERO-SABAT, O. ANGURELL, M. TELLECHEA
P32	**FEASIBILITY OF THREE-PHASE DEPOLYMERIZATION BY DIETHANOLAMINE ON FLEXIBLE POLYURETHANE FOAM** ZOË DE HERDT, MUHAMMAD ADEEL, CHRISTOPHE VANDE VELDE, JONAS CASSIMON, MATTHEW PORTERS, VICTOR BEECKMANS, PIETER BILLEN
P33	**PVC RECYCLING: UNDERSTANDING AND CHARACTERIZATION OF ITS DISSOLUTION** H. HAOUCHETTE, S. HUMBERT,C. NIETO, M. SIBEAUD, A. CHAUMONNOT
P34	**FACILE LIGHT-INDUCED DEGRADATION OF POLYSTYRENE VIA DDQ AS AN EFFECTIVE HAT REAGENT** MINA KATI, HUSEYIN CEM KILICLAR, BARIS KISKAN
P35	**SYNTHESIS OF PHOSPHORUS BEARING THERMALLY REVERSIBLE POLYMERS** ELMAS KIRTAY, NEVIM SAN, TARIK EREN1
P36	**TOWARDS PHOSGENE-FREE RECOVERY OF ISOCYANATES FORM POLYURETHANE (PU) WASTE: SELECTIVE CONVERSION OF PU INTO POLYCARBAMATES AND POLYOL** VINCENT LEMMENS, NIELS VAN VELTHOVEN, DIRK DE VOS
P37	**LOW TEMPERATURE DEPOLYMERIZATION OF POLY(METHACRYLAMIDES)** VICTORIA LOHMANN, GLEN R. JONES, ASJA A. KROEGER, NGHIA P. TRUONG, MICHELLE L. COOTE, ATHINA ANASTASAKI
P38	**ULTRA-FAST THERMAL RAFT DEPOLYMERIZATION AT HIGHER SOLID CONTENT** DIMITRA MANTZARA, RICHARD WHITFIELD, HYUN SUK WANG, NGHIA P. TRUONG, ATHINA ANASTASAKI
P39	**INVESTIGATING β-AMINO-N-AMIDES IN COVALENT ADAPTABLE NETWORKS** GIULIA SCURANI, JONAS DEBUYCK, FRANCESCA PARENTI, FILIP DU PREZ
P40	**FROM WASTE TO WEALTH: SUSTAINABLE PET RECYCLING THROUGH GLYCOLYSIS AND AMINOLYSIS VIA POLY IONIC LIQUID(PIL) CATALYST** RAGIB TALHA UZUN, VICTOR D. LECHUGA ISLAS, CARLOS GUERRERO SÁNCHEZ, BARIS KISKAN
P41	**DEVELOPMENT OF DURABLE NANOREACTORS FOR POLYOLEFIN RECYCLING** GÜR IŞIL YEŞIL, LOAI K.E.A. ABDELMOHSEN AND JAN C.M. VAN HEST
P42	**MACROCYCLIC OLIGOMERS OF BIODEGRADABLE POLYESTERS AS BUILDING-BLOCKS FOR POLYMER CIRCULARITY PERSPECTIVES** LUCIA CONZATTI, DOMENICO ZANNINI, ROBERTO UTZERI, PAOLA STAGNARO

POLYMER RECYCLING, UPCYCLING AND DEPOLYMERIZATION	
P43	ALTERNATIVE CHEMICAL RECYCLING APPROACHES FOR TRADITIONAL AND BIODEGRADABLE PLASTICS: TWO CASE STUDIES DOMENICO ZANNINI, LUCIA CONZATTI, ROBERTO UTZERI, PAOLA STAGNARO, RICCARDO TESSER, ROSA TURCO
P44	THERMALLY CONDUCTIVE, SELF-REPAIRING AND RECYCLABLE EPOXY RESINS FOR INSULATING ELECTRIC MOTORS IN THE AEROSPACE INDUSTRY THEO VIALON, GERALD LOPEZ, MARC GUERRE, MATHIAS DESTARAC

POSTER SESSION, TUESDAY 6TH MAY 2025

BIO-RELATED POLYMERS

P45	MULTIVALENT GLYCOPOLYMERS BASED ON RANDOM POLY(ETHYLENE GLYCOL) COPOLYMERS CAROLINE BOCKHARD, PHILIP DREIER, HOLGER FREY
P46	POLYMER HYDROGELS AS COMMUNICATIVE CELL MATRIXES MARIUS G. BRAUN, TOM C. SCHNEIDER, LEON DRIEHAUS-ORTIZ, KALOIAN KOYNOV, DAVID Y.W. NG, CHRISTOPHER V. SYNATSCHKE, LAURA DE LAPORTE, TANJA WEIL
P47	BIODEGRADABLE POLYESTERS MODIFIED VIA MICHAEL ADDITION FOR APPLICATION AS ELECTROSPUN SCAFFOLDS FOR TISSUE ENGINEERING MARTA CHRÓSZCZ-PORĘBSKA, SYLWIA WAŚKIEWICZ, TOMASZ GOŁOFIT, AGNIESZKA GADOMSKAGAJADHUR
P49	PEG-PCL BLOCK COPOLYMERS BASED ON HOST-GUEST INCLUSION COMPLEX BETWEEN β-CYCLODEXTRIN AND SULFADIAZINE FOR THE REALIZATION OF PH-SENSITIVE NANOPARTICLES IN ANTICANCER THERAPY LUCREZIA DE LUISE, AURORA PASTORE, GIOVANNI DAL POGGETTO, GIOVANNA GOMEZ D'AYALA, PAOLA LAURIENZO
P50	SYNTHESIS, FORMULATION AND LIPID-INTERACTIONS OF POLYNUCLEOTIDES-BASED NANOPARTICLES FOR GENE DELIVERY APPLICATIONS. MARIA GIOVANNA DE PASQUALE, PHILIPPE GUÉGAN, VÉRONIQUE BENNEVAULT, VALERIA RONDELLI, TANGUY HAUTE, TRISTAN MONTIER
P51	EVOLUTION OF MOLECULARLY IMPRINTED POLYMER NANOPARTICLES AS ANTIBODY MIMICS THROUGH THE CHARACTERIZATION OF THE MOLECULAR RECOGNITION PROCESS BY SINGLEMOLECULE MICROSCOPY ALESSIA DI FIORE, CARLO GONZATO, CHANG ZHOU, IGNACIO IZEDDIN, VALENTINA KRACHMALNIKOFF, YANNICK DE WILDE, KARSTEN HAUPTA
P52	ENZYME-RESPONSIVE POLYMERS AND NANOPARTICLES TO DELIVER ANTIMICROBIALS PACO FERNANDEZ-TRILLO
P53	OVERCOMING PEG LIMITS: EXPLORING NEW PATHS IN MRNA-LNP DELIVERY ALBERTO FRACASSO, SABAH KASMI, FRANCESCA LORANDI, STEFAAN DE KOKER, EDMONDO M. BENETTI
P54	SYNTHESIS OF POLYMER-MONOCLONAL ANTIBODY CONJUGATE FOR MEMBRANE ENGINEERED MACROPHAGES TUGBA GENÇOGLU-KATMERLIKAYA, AYDAN DAG
P55	HEATING OF DENTAL COMPOSITES: THE CRUCIAL ROLE OF THE SILANE COUPLING AGENT ON THE CONSISTENCY CHANGE BENJAMIN GROB, NATHAN WACHTER, YOHANN CATEL

BIO-RELATED POLYMERS	
P56	POLYETHER COPOLYMERS WITH THIOETHER SIDE CHAINS AS BUILDING ELEMENTS OF BLOCK COPOLYMERS FOR NUCLEIC ACID TRANSPORT MILENA HESSE, IMKE OELMANN, PAUL SCHNEIDER, HOLGER FREY
P57	POLYSARCOSINE-BASED SIMULTANEOUS INTERPENETRATING NETWORK (SIN) HYDROGELS WITH TUNABLE MECHANICAL PROPERTIES AND BIOCOMPATIBILITY GUONAN JI, BO LI, ZIYUAN SONG, ANDREAS HEISE
P58	UV-CURED MULTI-COMPONENT BIOHYDROGELS FOR TISSUE ENGINEERING APPLICATIONS OZLEM I. KALAOGLU-ALTAN, MARCO SANGERMANO
P59	STAR POLYMERS OF ISOMERIZED POLY(ETHYLENE GLYCOL): SYNTHESIS, CHARACTERIZATION AND EVALUATION OF ANTI-PEG-ANTIBODY BINDING DANIEL MONDESHKI, LARA MEHRABANI, HOLGER FREY
P60	THE COMPLEXATION MECHANISM OF AN ANTICANCER PT-DRUGS WITH POLYMERS CONTAINING POLY(L-HISTIDINE) IREN G. STAVRAKAKI, CHRISTINA VARFI, NIKITAS GEORGIOU, THOMAS MAVROMOUSTAKOS, DEMETER TZELI,ANTIGONI CHEILARI, EVELINA LIAROU, MIRKO CEVEC, HERMIS IATROU
P61	SYNTHESIS OF PH-RESPONSIVE HYBRID COPOLYMERS AND THE ENCAPSULATION OF PROTEINS TO COMBAT AUTOIMMUNE DISEASES CHRISTINA VARFI, IREN-GEORGIA STAVRAKAKI, NIKITAS GEORGIOU, THOMAS MAUROMOUSTAKOS, ELENI NTOUKAKI, KONSTANTINOS LAZARIDIS, HERMIS IATROU
P62	FABRICATION OF 3D OBJECTS INCORPORATING PEPTIDES COVALENTLY ATTACHED VIA REVERSIBLE DISULFIDE LINKAGES WITH POTENTIAL FOR CONTROLLED DRUG RELEASE ZHONGYUAN WAN, WAI HIN LEE, DAVID M HADDLETON
P63	SYNTESIS OF NOVEL TRACERS FOR 19F MRI BASED ON HYALURONIC ACID ANNA ZAJICKOVA, DANIEL JIRAK, ONDREJ SEDLACEK

POSTER SESSION, TUESDAY 6TH MAY 2025

POLYMER CHARACTERIZATION

P64	DOMAIN ARCHITECTURE AND ANOMALOUS CHAIN CONFINEMENT IN CHAIN-WALKING-POLYMERIZED POLYETHYLENE AS SEEN BY SOLIDSTATE NMR SPECTROSCOPY JIRI BRUS, JIRI CZERNEK AND MARTINA URBANOVA
P65	IMPACT OF DEFECTS ON THE MELT-MEMORY IN ISOTACTIC POLYPROPYLENE ALESSANDRA CICOLELLA, FABIO DE STEFANO, MIRIAM SCOTI, CLAUDIO DE ROSA
P66	PROCESSING PARAMETERS/MICROSTRUCTURE/PROPERTIES RELATIONSHIPS IN PA6/PA6/LDHS SYSTEMS: EFFECT OF MATRIX VISCOSITY AND ELONGATIONAL FLOW FULVIA CRAVERO, ALBERTO FRACHE, ROSSELLA ARRIGO
P67	ISOTACTIC POLY-1-BUTENE MICROSTRUCTURES RATIONALIZED BY DFT CALCULATIONS OLGA D'ANANIA, CLAUDIO DE ROSA, ROCCO DI GIROLAMO, GIOVANNI TALARICO
P68	ANALYSIS OF HYDROPHILIC POLYMER USING LIQUID ADSORPTION CHROMATOGRAPHY PHILIPPE GONZALEZ, CÉDRIC PANIAGUA, VINCENT DARCOS
P69	A MULTIMODAL ANALYTICAL PLATFORM FOR CHARACTERIZATION OF CROSSLINKED POLYPEPTIDE-BASED NANOCONJUGATES SNEŽANA ĐORĐEVIĆ, MARIA MEDEL, ESTHER MASIA, MARÍA J VICENT
P70	DFT CALCULATIONS ON THE COMPLEXATION OF OXALIPLATIN WITH PHIS POLYMER NIKITAS GEORGIOU, THOMAS MAVROMOUSTAKOS, DEMETER TZELI
P71	OPTIMIZING THE MECHANICAL PROPERTIES OF HIGH-IMPACT POLYPROPYLENE: ENHANCEMENTS DRIVEN BY COMPATIBILIZERS. ANGELO GIORDANO, CLAUDIO DE ROSA
P72	POLYMER SYNTHESIS & CHARACTERIZATION RESEARCH TECHNOLOGY PLATFORM ARKADIOS MARATHIANOS, JAMES S. TOWN, DANIEL W. LESTER
P73	A SYSTEMATIC STUDY ON FE, CA AND ZN PYRIDYLAMIDO CATALYSTS PROMOTING THE ROP OF LLACTIDE THROUGH A DFT STUDY SERENA MOCCIA, EUGENIO ROMANO, MASSIMO CHRISTIAN D'ALTERIO, GIUSEPPE GRAVINA, CLAUDIO PELLECCHIA, GIOVANNI TALARICO
P74	STRUCTURE AND DOMAIN ARCHITECTURE OF TRANSITIONMETAL (CU2+, FE3+) CROSS-LINKED ALGINATES AS SEEN BY PARAMAGNETIC SOLID-STATE NMR SPECTROSCOPY MARTINA URBANOVA, MIROSLAVA PAVELKOVA, KATERINA KUBOVA, LIBOR KOBERA, JIRI CZERNEK AND JIRI BRUS
P75	EVALUATION OF OXYGEN PERMEABILITY IN AMORPHOUS POLYMERS BY PHOSPHORESCENT IMIDE COMPOUNDS AT LOW TEMPERATURES RIKA WATANABE, MARINA DOI, HAONAN LIU, MASATOSHI TOKITA, SHINJI ANDO.
P76	PHOTOPHYSICAL PROPERTIES OF THIANTHRENE-CONTAINING POLYIMIDES UNDER HIGH PRESSURE UP TO 8 GPA LIANGKANG YU, HIROKA YAMAMATSU, MEGUMI MATSUDA, HAONAN LIU, TOMOYA HIGASHIHARA, SHINJI ANDO

POSTER SESSION, WEDNESDAY 7TH MAY 2025

RECENT ADVANCES IN MACROMOLECULAR SYNTHESIS

P77	FORMATION OF NETWORK POLYMERIC PHTHALOCYANINES VIA DIBENZAZEPINE CHEMISTRY EREM AHMETALİ, STEFAN BRÄSE
P78	NANOSTRUCTURED POLYMER CONETWORKS, THEIR GELS AND NANOHYBRIDS AS A CLASS OF MATERIALS OF THE FUTURE: FROM INTELLIGENT DRUG RELEASE TO HIGHLY ACTIVE NANOCATALYSTS BÉLA IVÁN, ÁRON BAJCSI, ESZTER BUDAI, CSABA FODOR, MÁRTON HARASZTI, DANIEL KALOCSAI, GYÖRGY KASZA, PÉTER MEZEY, ANNA PETRÓCZY, TÍMEA STUMPHAUSER, YI THOMANN, RALF THOMANN, ROLF MÜLHAUPT
P79	SYNTHESIS OF POLY(STYRENE-BLOCK-ISOBUTYLENE-BLOCK-STYRENE) VIA QUASILIVING CATIONIC POLYMERIZATION CO-INITIATED BY DIMETHYLALUMINUM CHLORIDE IVAN A. BEREZIANKO, MIRASLAU I.MAKAREVICH, PAVEL A. NIKISHAU, IRINA V. VASILENKO, SERGEI V. KOSTJUK
P80	SYNTHESIS OF SCHIFF BASE LIGANDS FOR ATRP IN FLOW WITH ONLINE NMR MONITORING YIPING CHEN, DAVID M. HADDLETON
P81	SILANE FUNCTIONALIZED ISOTACTIC POLYPROPYLENE: SYNTHESIS AND CHARACTERIZATION FABIO DE STEFANO, ROCCO DI GIROLAMO, CLAUDIO DE ROSA
P82	EXPLORING PHOTO-INDUCED POLYMERIZATION AND LOCALIZED DEGRADATION IN DYNAMIC DISULFIDE-CONTAINING HYDROGELS ANTONELLA FANTONI, ALICA SALVADORI, ALEKSANDR OVSIANIKOV, ROBERT LISKA, STEFAN BAUDIS
P83	isoPEG: THE SECOOND GENERATION OF PEG ISOMERS FABIAN FUß, PHILIP DREIER, NADINE GORZOLKA, MATTHIAS BROSB AND HOLGER FREYA
P84	INNOVATIVE STRATEGY FOR THE DEVELOPMENT OF A NEW GENERATION OF THERMOPLASTIC ELASTOMERS WITH ADAPTATIVE THERMOMECHANICAL PROPERTIES ZAINAB HAREB, DAVID FOURNIER, GREGORY STOCLET
P85	PHENACYL BROMIDE: A POTENT CATALYST FOR LOWERING THE CURING TEMPERATURE OF BENZOXAZINES ILKE ISKEÇELI, BARIŞ KISKAN
P86	IMPACT OF HYDROXYL GROUP POSITION ON THE POLYMERISATION PROCESS OF METHACRYLAMIDEBASED MONOMERS LENKA KOTRCHOVÁ, LIBOR KOSTKA, TOMÁŠ ETRYCH
P87	ENHANCING THE COMPATIBILITY AND MECHANICAL PROPERTIES OF BIO-BASED PA610 AND PA6 BLENDS THROUGH THE INCORPORATION OF A FUNCTIONAL CHAIN EXTENDER USING REACTIVE EXTRUSION PROCESSING DO HYUN KWON, YEON JIN KIM, JUNG SUL JUNG

RECENT ADVANCES IN MACROMOLECULAR SYNTHESIS	
P88	TAILORING POLYMER NETWORKS FOR ENHANCED GAS SEPARATION: EFFICIENT SOLUTIONS IN CARBON CAPTURE TECHNOLOGY BENNY MATHES, DAAN VAN HAVERE, IRIAN BAERT, MARZI SHIRINA, PHILIP DREIER, RHEA VERBEKE, HOLGER FREY
P89	DESIGNING [2,6-BIS(1,2,3-TRIAZOLE-4-YL) PYRIDINE] BTP APPENDED SELFHELABLE Zn(II)-METALLOPOLYMERS CHHANDA MONDAL, SANJIB K. PATRA
P90	DESIGN OF HIERARCHICALLY STRUCTURED METAL NETWORKS VIA BOTTLEBRUSH TEMPLATES KENNALEE ORME, TIMEA KOLOZSVARY, BENJAMIN MCDONALD
P91	A VERSATILE DITHIOBENZOATE-BASED CTA FOR ONE-POT PHOTOCONTROLLED CATIONIC AND RADICAL INTERCONVERSION PET-RAFT MARTIN ORSAGH, ONDREJ SEDLACEK
P92	PHOTO-ACCELERATED SYNTHESIS OF OLIGO(TRIAZOLE AMIDE)S ALEXANDROS PETROPOULOS, LAURENCE CHARLES, JEAN-MICHEL BECHT, MICHAEL SCHMITT, JACQUES LALEVEE, JEAN-FRANÇOIS LUTZ
P94	SYNTHESIS OF MONO-, DI- AND TRI-FUNCTIONAL POLYISOBUTYLENES AND THEIR APPLICATION DMITRIY I. SHIMAN, MIKALAI BOHDAN, YVGENII KSENDZOV, MIRASLAU MAKAREVICH, SERGEY V. KOSTJUK
P95	CHAIN CONFORMATION AND CRYSTAL STRUCTURE OF ALTERNATING POLY(ETHER-THIOETHER) COPOLYMER GIULIA SIMEONE, ANNA MALAFRONTE, CLAUDIO DE ROSA
P96	TEMPERATURE-CONTROLLED MULTIBLOCK COPOLYMERIZATION OF STYRENE AND 1,3-DIENE RUOCHENG TANG, HOLGER FREY
P97	TAG-ASSISTED SYNTHESIS OF SEQUENCE-DEFINED OLIGOMERS AS A TOOL FOR FINE-TUNING OF MATERIAL PROPERTIES ADITHYA THARAYIL, NEZHA BADI, FILIP DU PREZ
P98	HIGH-THROUGHPUT SCREENING FOR DEVELOPMENT OF BIOINSPIRED SOFT MATERIALS REBECCA TOBIAS, DANIEL XU, BENJAMIN MCDONALD, RYAN POLING-SKUTVIK
P99	DESIGNING FUNCTIONAL SYNDIOTACTIC POLYPROPYLENE-BASED ELASTOMERS THROUGH COPOLYMERIZATION WITH α,ω-NONCONJUGATED DIENES ROSA VILLACCIO, MIRIAM SCOTI, FABIO DE STEFANO, ROCCO DI GIROLAMO, CLAUDIO DE ROSA
P100	COBALT(II/III) COMPLEX PURITYEVALUATIONAND ITS IMPACT ON EFFECTIVENESS OF CATALYTIC CHAIN TRANSFER POLYMERIZATION XIAO FAN YANG, JIE LIU, NICHOLAS R. BAGNALL, JOHAN P.A. HEUTS, BRADY WORRELL, DAVID M. HADDLETON

RECENT ADVANCES IN MACROMOLECULAR SYNTHESIS	
P101	CO(II) MEDIATED CATALYTIC CHAIN TRANSFER POLYMERIZATION (CCTP) CARRIED OUT UNDER FLOW REACTION CONDITIONS WITH ONLINE GPC MONITORING YANPU YAO, XIAOFAN YANG, CANSU AYDOGAN, WILLIAM POINTER, DAVID HADDLETON
P102	ROOM TEMPERATURE CATIONIC RAFT POLYMERIZATION OF STYRENIC MONOMERS MAKSIM HULNIK, ANDREI LEUSHUKOU, MATVEY HORETSKI, SERGEI KOSTJUK
P103	COPOLYMERS OF CHARGE - SHIFTING POLYCATION POLY(DIMETHYLAMINOETHYL ACRYLATE): SYNTHESIS AND HYDROLYTICAL STABILITY MONIKA MATIYANI, RAFAL KONEFAL, ANDRII MAHUN, GABRIELA S. GARCÍA-BRIONES, OLGA KOČKOVÁ, RADOSLAVA SIVKOVA, LENKA KOTRCHOVÁ, LIBOR KOSTKA, DANA KUBIES

POSTER SESSION, WEDNESDAY 7TH MAY 2025

POLYMERS FOR ENERGY

P104	**TWO-STEP HYBRIDIZATION OF POLYPYRROLE (PPY) WITH POLY(3,4 ETHYLENEDIOXY-THIOPHENE) (PEDOT) TOWARD EXCELLENT THERMOELECTRIC PERFORMANCES** ZAKARIA BEKKAR DJELLOUL SAYAH, AHMED MEKKI, LINDA NEDJAR, YOUNES BOURENANE CHERIF
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P110	**(TETRAFLUOROVINYLPHENYL)CARBAZOLE AS A MULTIFUNCTIONAL MATERIAL FOR OLED APPLICATIONS** ALIAKSEI A. VAITUSIONAK, DMYTRO VOLYNIUK, SERGEI V. KOSTJUK, JUOZAS V. GRAZULEVICIUS
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P112	**DEVELOPMENT OF NEW ION EXCHANGE MEMBRANE FOR ALKALINE REDOX-FLOW BATTERY** L. VEYRENCHE, T.K.L NGUYEN, L. CHIKH, O. FICHET
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P139	**MODEL-TYPE NETWORK IN METALLO-SUPRAMOLECULAR POLYMER GELS** YASOTHAA THAVAYOGARAJAH, NIELS GIESSELMANN, KATRIN AMANN-WINKEL, SEBASTIAN SEIFFERT
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P150	**POLYMER BRUSH-SUPPORTED PHOTOCATALYSTS IN CONTINOUS FLOW REACTORS** ALESSIO LO BOCCHIARO, JORGE HUMBRÍAS-MARTÍN, FRANCESCA LORANDI, LUCA DELL'AMICO, EDMONDO M. BENETTI
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P157	MICROPOROUS POLYMER NETWORKS WITH HYDROXYL GROUPS FOR WATER VAPOR SORPTION FROM AIR MICHAELA VAŇKOVÁ, BOGDANA BASHTA, VERONIKA KYSELOVÁ, JIŘÍ BRUS, JAN SEDLÁČEK