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UNIVERSITÀ DI ROMA



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Roma Tre



UCBM  
UNIVERSITÀ CAMPUS BIO-MEDICO DI ROMA



Società  
Chimica  
Italiana



**4<sup>th</sup> National Meeting  
Division of Chemistry for Technologies  
Italian Chemical Society**

**Roma Tre University  
Department of Industrial, Electronic, and Mechanical Engineering  
Via Vito Volterra 62, 00146 Rome  
June 16-19, 2026**

***Meeting Program***

**Tuesday, 16<sup>th</sup> June 2026**

*Afternoon Session*

**14:30 Meeting Registration**

**16:30 Opening Ceremony**

**Chairpersons: Cristina Leonelli, Giovanni Sotgiu**

Plenary Lecture

17:15	PL	<b>Nicola Christiane Aust</b> BASF SE - Germany	Unlocking Technology Potential - An Example from the Chemical Industry
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**18:00 Welcome Party**

Wednesday, 17<sup>th</sup> June 2026

Morning Session

Chairpersons: Andrea Mele, Maria Laura Santarelli

Keynote Lecture

09:00	KL.01	<b>Claudia Graiff</b> Università di Parma	Bio-Inspired Materials for Cultural Heritage: Merging Nature and Technology in Sustainable Conservation Science
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Oral Presentations

09:30	OP.01	<b>Giulia Fioravanti</b> Università degli Studi dell'Aquila	When 2D materials meet green solvents: hydrogen bonds in action at the Graphene Oxide-Deep Eutectic Solvent interface
09:45	OP.02	<b>Maria Enrica Di Pietro</b> Politecnico di Milano	Why TOPO Works: Intermolecular Interactions in Hydrophobic Deep Eutectic Solvents
10:00	OP.03	<b>Davide Gentile</b> Politecnico di Milano	Reversible Aerogels for Heavy-Metal Capture and Reuse as Cross-Coupling Catalysts
10:15	OP.04	<b>Biagia Musio</b> Politecnico di Bari	Potential of halophyte species to bioremediate salted soils and to serve as a valuable natural source of polyphenols
10:30	OP.05	<b>Arianna De Santis</b> Politecnico di Milano	Upcycling of textile waste into nanocellulose-based aerogels for sustainable water treatment
10:45	OP.06	<b>Cristiana Margarita</b> Sapienza Università di Roma	Electrochemical Activation of Imidazolium-based Covalent Organic Frameworks

11:00 Coffee Break and Poster Session (exhibition area)

Chairpersons: Francesco Mauriello, Stefano Vecchio Cipriotti

Invited Lecture

11:30	IL.01	<b>Francesca Aliberti</b> Università degli Studi di Salerno	Integration of smart functions in 3D-printed polymers: material design and process parameters optimization
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Flash Presentations

11:50	FP.01	<b>Laura Riva</b> Politecnico di Milano	Hydrophobic Eutectics-based Supramolecular Gels and Cellulose-based Nanosponges: Breakthrough Solutions for Water Remediation
11:55	FP.02	<b>Alessia Iennaco</b> Politecnico di Bari	Synthesis and characterization of polyurethane foams from waste cooking oil (WCO)

Oral Presentations

12:00	OP.07	<b>Annafelicia Civitavecchia</b> Università Politecnica delle Marche	Innovative bioactive PLA-films for a sustainable packaging
12:15	OP.08	<b>Antonio D'Angelo</b> Università degli Studi di Salerno	Investigation on SiO <sub>2</sub> /PEG hybrid biomaterials synthesized via the sol-gel route
12:30	OP.09	<b>Elodia Spinelli</b> Università degli Studi di Roma Tor Vergata	Sustainable Self-Healing Waterborne Polyurethane Coatings for Enhanced Corrosion Protection of Metallic Artworks
12:45	OP.10	<b>Enrico Domenico Lemma</b> Università Campus Bio-Medico di Roma	Light-Induced Radical Grafting for Selective Surface Modification of Acrylate Photoresists in 2PL

13:00 Light Lunch and Poster Session (exhibition area)

Wednesday, 17<sup>th</sup> June 2026

Afternoon Session

Chairperson: Monica Orsini

Invited Lecture

14:00	IL.02	<b>Giuseppina Raffaini</b> Politecnico di Milano	DNA as Drug Carrier: a Hydrophobic $\beta$ -Cyclodextrin Channel in a Supramolecular Structure via Molecular Dynamics Study
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Technical Presentation

14:20	TP	<b>Waters</b> Platinum Sponsor	Calorimetry as a tool to assess Battery Runaway Reactions
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Chairpersons: Sara Maria Giannitelli, Daniele Rocco

Flash Presentations

14:30	FP.03	<b>Marina Petroselli</b> Università Politecnica delle Marche	Ab initio characterization of transition metals: a comparative study to overcome inaccuracies in calculations
14:35	FP.04	<b>Gioele Pagot</b> Università degli Studi di Padova	Acetate-Driven Control of Zinc Deposition in Zn-I <sub>2</sub> Redox Flow Batteries
14:40	FP.05	<b>Giuseppina Anna Corrente</b> Università degli Studi di Messina	Bio-Based Polysaccharides for Low-Temperature Thermochemical Energy Storage
14:45	FP.06	<b>Simone Ghezzi</b> Università degli Studi di Milano	Recovery, characterization and purification of LiPF <sub>6</sub> extracted from lithium-ion batteries
14:50	FP.07	<b>Matteo Battaglia</b> Università degli Studi di Roma Tor Vergata	Performance study and characterization of mixed oxides for thermal energy storage applications
14:55	FP.08	<b>Miryam Gulino</b> Sapienza Università di Roma	PVD carbon and nitride coatings for application in metallic bipolar plates

Chairpersons: Giuseppe Consiglio, Marcella Trombetta

Oral Presentations

15:00	OP.11	<b>Luca Mancini</b> Università degli Studi di Perugia	Tailoring Bilayer Graphtetrayne for Enhanced CO <sub>2</sub> Capture: Insights from Multiscale Simulations
15:15	OP.12	<b>Mimimorena Seggio</b> Università Telematica Pegaso	Pollen-based nano-plasmonic chips with MIP-NPs as receptors for Protein Detection at the attomolar levels
15:30	OP.13	<b>Arianna Rossetti</b> Politecnico di Milano	TEMPO-functionalized nanogels: advanced nanoparticles for the mitigation of oxidative stress
15:45	OP.14	<b>Jose Miguel Silva Ferraz</b> Sapienza Università di Roma	A Dual-Mode Effusion Device: Vapour Pressure Measurements and Thin Film Deposition

16:00 Coffee Break and Poster Session (exhibition area)

**Wednesday, 17<sup>th</sup> June 2026**

*Afternoon Session*

**Chairpersons: Larisa Lvova, Candida Milone**

Oral Presentations

16:30	OP.15	<b>Consuelo Celesti</b> Università degli Studi di Messina	Zwitterionic Surface Functionalization of Titanium as an Antifouling Strategy for Biomedical Applications
16:45	OP.16	<b>Francesca Baldassarre</b> INSTM - UdR Salento	Shaping Antioxidants-loaded Nanoparticles Performance: How Surfactants Influence Stability, Activity, and Uptake in Human Skin Models
17:00	OP.17	<b>Beatrice Bruno</b> Università Campus Bio-Medico di Roma	Microfluidic Synthesis of Cerium Oxide Nanoparticles
17:15	OP.18	<b>Emanuela Muscolino</b> Università degli Studi di Palermo	Bioactive Hydrogel Wound Dressings Incorporating Egg White Proteins and Polysaccharides Developed through Radiation

**Chairpersons: Cristina Leonelli, Giovanni Sotgiu**

**17:30 General Assembly**

Thursday, 18<sup>th</sup> June 2026

Morning Session

Chairpersons: Marta Feroci, Piero Mastrorilli

Keynote Lecture

09:00	KL.02	<b>José Augusto Berrocal</b> Institut Català d'Investigació Química	Mechanically Triggered Reactivity in Polymer Materials: From Pathway Control to Mechanochromic Functionality
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Oral Presentations

09:30	OP.19	<b>Patrizia Cinelli</b> Università di Pisa	Polybutylenesuccinate-co-adipate (PBSA), a versatile, highly biodegradable matrix polymer for composites and nanocomposites.
09:45	OP.20	<b>Sara Dalle Vacche</b> Politecnico di Torino	Dynamic covalent chemistry in biobased composites for additive manufacturing
10:00	OP.21	<b>Martina Lippi</b> Università degli Studi di Firenze	Tuning Structural Adaptability in One-Dimensional Coordination Polymers for VOC Capture
10:15	OP.22	<b>Angela Marotta</b> Università degli Studi di Napoli Federico II	Role of epoxy/anhydride stoichiometry in governing curing behavior and reprocessability of bio-based vitrimers
10:30	OP.23	<b>Maria Cristina Righetti</b> CNR IPCF - Pisa	Effect of Nanosilica Aggregates/Agglomerates on Functional Properties of Poly(butylene 2,5- furandicarboxylate)-based Nanocomposites
10:45	OP.24	<b>Antonella Sola</b> Università degli Studi di Modena e Reggio Emilia	Towards sustainable ceramic powder bed fusion: An LCA-based perspective

11:00 Coffee Break and Poster Session (exhibition area)

Chairpersons: Sara Nardis, Manuela Stefanelli

Invited Lecture

11:30	IL.03	<b>Rosamaria Capuano</b> Università degli Studi di Roma Tor Vergata	From Collection to Detection: How Materials Shape Clinical Volatilomics
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Flash Presentations

11:50	FP.09	<b>Chiara Boncristiani</b> Università del Salento	Microfluidic BBB Spheroids: Metabolomic Biomarkers for Brain Injury Detection
11:55	FP.10	<b>Giulia Marcolli</b> Politecnico di Milano	Enhanced metal ion recognition with bispidine-based fluorinated chemosensors

Oral Presentations

12:00	OP.25	<b>Meriam Chelly</b> Università degli Studi di Messina	Volcanic ash: from Etna to applications in electrochemical sensors
12:15	OP.26	<b>Angelo Ferlazzo</b> Università di Catania	Electrochemical Biosensor for Urea in Environmental and Biological Media
12:30	OP.27	<b>Damiano Rossi</b> Università di Pisa	Synthesis and Characterization of Silica-Encapsulated Phase Change Materials Derived from Waste Cooking Oil
12:45	OP.28	<b>Antonino Rizzuti</b> Politecnico di Bari	Combined NMR and HPLC-HRMS metabolomics for discriminating the response of susceptible and resistant olive cultivars to Xylella fastidiosa infection

13:00 Light Lunch and Poster Session (exhibition area)

**Thursday, 18<sup>th</sup> June 2026**

Afternoon Session

Chairperson: Giovanni Sotgiu

Invited Lecture

14:00	IL.04	<b>Claudio Imparato</b> Università degli Studi di Napoli Federico II	Dual-purpose hybrid and mixed oxides: from catalysis to multifunctional polymer composites
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Chairpersons: Serena De Santis, Giovanni Sotgiu

Flash Presentations

14:20	FP.11	<b>Beatrice Bonaldo</b> Università di Trento	Sustainable Synthesis of Boron Carbide via Polyol-Based Precursors and Rapid Carbothermal Reduction
14:25	FP.12	<b>Carmen Corea</b> Politecnico di Milano	Sustainable scale-up of fatty acids and polyphenols extraction from Spent Coffee Grounds
14:30	FP.13	<b>Marika Fiorentino</b> Università degli Studi della Campania Luigi Vanvitelli	ZrO <sub>2</sub> /Orange Peel Extract Hybrids as Active Glass-Based Packaging Materials
14:35	FP.14	<b>Anna D'Addario</b> Università degli Studi dell'Aquila	Functionalized Graphene Oxide as a Neurogenic Trigger in Neural and Stem Cell Models
14:40	FP.15	<b>Rekha Shrestha</b> Politecnico di Milano	Hydrophobic Eutectic Solvent-Loaded Cellulose Hydrogel for Microextraction of Emerging Pollutants from Water
14:45	FP.16	<b>Daniele Conelli</b> Politecnico di Bari	Exploiting Metal Halide Perovskites for Photocatalytic Organic Transformations
14:50	FP.17	<b>Francesca Derobertis</b> Politecnico di Bari	Biobased jet fuel from orange peel waste: limonene hydrogenation using Raney-nickel catalyst
14:55	FP.18	<b>Rayhane Zribi</b> Università degli Studi di Messina	Biomass-Derived Carbon Dots as Sensitive Fluorescent Probes for Mercury Detection.

Chairpersons: Alessandra D'Epifanio, Leonardo Mattiello

Oral Presentations

15:00	OP.29	<b>Daily Rodríguez-Padrón</b> Università degli Studi di Padova	Biomass-Derived Catalytic Architectures: Chitin valorisation for the synthesis of modified N-doped carbons
15:15	OP.30	<b>Stefania Marzorati</b> Università degli Studi di Milano	From Coffee Waste to Sustainable Packaging: a Cascade Approach for Coffee Silverskin Valorization
15:30	OP.31	<b>Martina Napolitano</b> Università degli Studi di Modena e Reggio Emilia	Engineering circular nutrient systems through material design and bio-assisted processes for environmental protection and soil restoration
15:45	OP.32	<b>Francesco Genua</b> Università degli Studi di Modena e Reggio Emilia	Multi-methods approach for room temperature immobilization of heavy metals cations and amphoteric moieties from industrial wastes

**16:00 Coffee Break and Poster Session (exhibition area)**

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**Thursday, 18<sup>th</sup> June 2026**

*Afternoon Session*

**Chairpersons: Alberto Rainer, Francesca Anna Scaramuzzo**

Oral Presentations

16:30	OP.33	<b>Vincenzina Barbera</b> Politecnico di Milano	Janus-Driven Carbon-Silver Nanohybrids for Biocidal and Flexible Electronic Applications
16:45	OP.34	<b>Eugenio Lunedei</b> CNR ISMN - Bologna	Enhancing External Quantum Efficiency in OLETs by exploiting the transient electro-optical properties of luminescent radicals
17:00	OP.35	<b>Cecilia Mortalò</b> CNR ICMATE - Padova	Eco friendly Eu <sup>3+</sup> :YPO <sub>4</sub> – alginate luminescent water-based suspensions as inks for potential anticounterfeiting applications
17:15	OP.36	<b>Virginia Venezia</b> Università degli Studi di Napoli Federico II	Biobased electrospun fibers for the recovery of precious and rare earth metals from e-waste leachate solutions

Flash Presentations

17:30	FP.19	<b>Margherita Teresa Barbero</b> Politecnico di Milano	Homochiral-based Diastereomeric (Deep) Eutectic Systems (DIADES)
17:35	FP.20	<b>Emmanuel De Gregorio</b> Università di Napoli Parthenope	Tailoring Phosphoric Acid Doping in Electrospun Polybenzimidazole Membranes: From Adsorption Modeling to Proton Transport
17:40	FP.21	<b>Maria Trisolini</b> Politecnico di Bari	An NMR-Based Approach for Monitoring the slow-growing bacterium <i>Xylella fastidiosa</i>
17:45	FP.22	<b>Emanuele Alberti</b> Università degli Studi di Milano-Bicocca	Morphological and Structural Engineering of CeO <sub>2</sub> Nanoparticles

**20:30 Social Dinner** (*Hotel Quirinale, Sala Verdi - Via Nazionale 7, 00184 Roma*)

**Friday, 19<sup>th</sup> June 2026**

*Morning Session*

**Chairpersons: Matteo Bonomo, Barbara Mecheri**

Keynote Lecture

09:00	KL.03	<b>Claudio Gerbaldi</b> Politecnico di Torino	Advanced polymer-based electrolytes for solid-state batteries: addressing energy density, safety and sustainability
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Oral Presentations

09:30	OP.37	<b>Jean Marie Vianney Nsanzimana</b> Università degli Studi di Padova	High-current density Binder-free Electrocatalysts for Efficient Hydrogen Production in AEMWE
09:45	OP.38	<b>Williane Freitas</b> Università degli Studi di Roma Tor Vergata	Toward High-Performance NiFe Alloys Electrocatalysts for pH-Universal OER in Polymer Electrolyte Water Electrolyzers
10:00	OP.39	<b>Alessio Occhicone</b> Università di Napoli Parthenope	Nanostructured Pt Catalyst Layers Fabricated by PLD and iMAPLE for Low-Load PEMFC Applications
10:15	OP.40	<b>Mirko Magni</b> Università degli Studi di Milano	The challenge of recycling spent lithium-ion batteries: an academy-industry joint project
10:30	OP.41	<b>Daniele Motta</b> Università di Torino	Low-temperature transition glycerol-based electrolyte toward sustainable zinc-ion batteries
10:45	OP.42	<b>Chiara Frezza</b> Università Roma Tre	Towards flexible and sustainable microsupercapacitors: combining electrodeposited manganese on carbon felt with starch-based solid electrolytes

**11:00 Coffee Break and Poster Session (exhibition area)**

**Chairpersons: Cristina Leonelli, Giovanni Sotgiu**

**11:30 Awards Ceremony**

**12:00 Closing Ceremony**

## POSTER CONTRIBUTIONS

<b>Place Code</b>	<b>Presenting Author</b>	<b>Title</b>
<u>01</u> FP.10	<b>Giulia Marcolli</b> Politecnico di Milano	Enhanced metal ion recognition with bispidine-based fluorinated chemosensors
<u>02</u> PS.01	<b>Luigi Vertuccio</b> Università degli Studi della Campania Luigi Vanvitelli	Temperature sensor based on expanded graphite/nylon composites
<u>03</u> PS.02	<b>Giuseppe Consiglio</b> Università di Catania	A new water-soluble Zn(salmal) complex as chemosensor for the enzymatic recognition of Phenylalanine
<u>04</u> PS.03	<b>Giuseppe Consiglio</b> Università di Catania	Lanthanide-Driven Modulation and Glass-Induced Switching in Photoswitchable Macrocycles
<u>05</u> PS.46	<b>Antonio Aronne</b> Università degli Studi di Napoli Federico II	Sol-gel synthesis of nonlinear optical materials
<u>06</u> PS.04	<b>Rayhane Zribi</b> Università degli Studi di Messina	Sustainable Cellulose-Based Nanocomposite for Sensitive Electrochemical Detection of Environmental Pollutants
<u>07</u> PS.05	<b>Giuseppina Luciani</b> Università degli Studi di Napoli Federico II	Nanotechnology meets circular bioeconomy: lignin nanostructured materials as active factory of metal nanoclusters for environmental sensing
<u>08</u> FP.09	<b>Chiara Boncristiani</b> Università del Salento	Microfluidic BBB Spheroids: Metabolomic Biomarkers for Brain Injury Detection
<u>09</u> PS.06	<b>Martina Lamacchia</b> Istituto Nazionale di Fisica Nucleare - Roma	New Plastic Scintillators for Nuclear Medicine Applications
<u>10</u> FP.02	<b>Alessia Iennaco</b> Politecnico di Bari	Synthesis and characterization of polyurethane foams from waste cooking oil (WCO)
<u>11</u> PS.07	<b>Maurizio Galimberti</b> Politecnico di Milano	Biomass engineering. Tuning the structure of BSF proteins for high performance bionanocomposites
<u>12</u> FP.01	<b>Laura Riva</b> Politecnico di Milano	Hydrophobic Eutectics-based Supramolecular Gels and Cellulose-based Nanosponges: Breakthrough Solutions for Water Remediation
<u>13</u> PS.08	<b>Roberta Bongiovanni</b> Politecnico di Torino	Photoinduced Frontal Polymerisation for Wood Composites
<u>14</u> PS.09	<b>Benedetta Malvagna</b> Università Roma Tre	Design, synthesis and Characterization of a Bio-Based Ionic Liquid as Plasticizer for Starch Films

Place Code	Presenting Author	Title
<u>15</u> PS.10	<b>Nadia Lotti</b> Alma Mater Studiorum Università di Bologna	Thermally weldable, degradable and high barrier sustainable flexible food packaging cast film from a novel furan based aromatic copolyester
<u>16</u> PS.11	<b>Giulia Maccaroni</b> Alma Mater Studiorum Università di Bologna	Design of novel furan-based copolyesters for sustainable antimicrobial medical packaging
<u>17</u> PS.12	<b>Claudio Ferone</b> Università di Napoli Parthenope	Innovative Hybrid Red Mud-Metakaolin-Polydimethylsiloxane Geopolymers for Rapid Methylene Blue Adsorption
<u>18</u> PS.13	<b>Maurizia Seggiani</b> Università di Pisa	Processing and Characterization of PBSA/Biochar Composite Films for Biodegradable Mulching Applications
<u>19</u> PS.14	<b>Liberata Guadagno</b> Università degli Studi di Salerno	Manufacturing of sustainable biobased composites by means of Joule-heating-assisted curing with recycled carbon fibers
<u>20</u> FP.16	<b>Daniele Conelli</b> Politecnico di Bari	Exploiting Metal Halide Perovskites for Photocatalytic Organic Transformations
<u>21</u> FP.17	<b>Francesca Derobertis</b> Politecnico di Bari	Biobased jet fuel from orange peel waste: limonene hydrogenation using Raney-nickel catalyst
<u>22</u> FP.19	<b>Margherita Teresa Barbero</b> Politecnico di Milano	Homochiral-based Diastereomeric (Deep) Eutectic Systems (DIADES)
<u>23</u> PS.15	<b>Francesco Marcaccio</b> Sapienza Università di Roma	Voltammetric behaviour of beta-amino alcohols
<u>24</u> PS.16	<b>Stefania Marzorati</b> Università degli Studi di Milano	Methacrylation of Fibrillar Marine Collagen: Production of Sustainable and Functional Hydrogels for Regenerative Medicine
<u>25</u> PS.47	<b>Marialuigia Raimondo</b> Università degli Studi di Salerno	Improvement of the morphological features and functional properties of non-covalently functionalized carbon nanotubes and graphite nanosheets
<u>26</u> PS.17	<b>Maria Michela Dell'Anna</b> Politecnico di Bari	Purification of spent cigarette butts by natural deep eutectic solvents (NADES)
<u>27</u> FP.12	<b>Carmen Corea</b> Politecnico di Milano	Sustainable scale-up of fatty acids and polyphenols extraction from Spent Coffee Grounds
<u>28</u> PS.18	<b>Carlo Punta</b> Politecnico di Milano	Waste-to-Wastewater-Treatment: Valorization of Sewage Sludge Ash as Multifunctional Materials for contaminant adsorption

Place Code	Presenting Author	Title
<u>29</u> PS.19	<b>Alessandro Sacchetti</b> Politecnico di Milano	Innovative hydrophilic ligands for the selective recovery of Am(III) from spent nuclear fuel
<u>30</u> FP.15	<b>Rekha Shrestha</b> Politecnico di Milano	Hydrophobic Eutectic Solvent-Loaded Cellulose Hydrogel for Microextraction of Emerging Pollutants from Water
<u>31</u> PS.20	<b>Daria Ballardini</b> Sapienza Università di Roma	Deep Eutectic Solvent-enabled recovery of spent solar cells
<u>32</u> PS.21	<b>Claudiu Bostan</b> Sapienza Università di Roma	Green Asymmetric Synthesis: Electrodimerization of p-Fluoroacetophenone
<u>33</u> PS.22	<b>Alessio Varotto</b> Sapienza Università di Roma	Synthesis of Pt/CeO <sub>2</sub> from a leachate solution containing recycled platinum
<u>34</u> PS.23	<b>Larisa Lvova</b> Università degli Studi di Roma Tor Vergata	Optical Detection of Micro- and Nanoplastics for Environmental Monitoring Purposes: the LIAISON project updates
<u>35</u> PS.48	<b>Giulia Maria Itri</b> Università degli Studi Mediterranea di Reggio Calabria	Recycling Spent Li-Ion Battery Materials into Pd-Based Catalysts for Biomass Upgrading
<u>36</u> PS.24	<b>Maria Vittoria Mollo</b> Università degli Studi della Campania Luigi Vanvitelli	Sol-gel synthesis of ZrO <sub>2</sub> /Olive extract hybrids: FTIR and in vitro release study
<u>37</u> PS.25	<b>Roberto Simonelli</b> Università degli Studi della Campania Luigi Vanvitelli	FT-IR characterization of Alkali-activated waste (sawing sludges) materials
<u>38</u> PS.26	<b>Meriem Goudjil</b> Università degli Studi di Firenze	Efficient Photocatalytic Removal of Methylene Blue using Cobalt-doped CuO Nanoparticles
<u>39</u> PS.27	<b>Zar Jan</b> Università degli Studi di Messina	Sodium phyrophosphate decahydrate-Silca gel composites for Thermochemical Energy Storage
<u>40</u> PS.28	<b>Silvia Sorbo</b> Università degli Studi di Messina	Multi-Step Conversion of Orange Peel Waste into Value-Added Products via a Cascade Biorefinery Approach
<u>41</u> PS.29	<b>Mirko Magni</b> Università degli Studi di Milano	VisioNing: valorization of agro-industrial wastewater. From research bench to business.
<u>42</u> PS.30	<b>Luisa Barbieri</b> Università degli Studi di Modena e Reggio Emilia	Application of chemical technologies for waste inertization and recycling

<b>Place Code</b>	<b>Presenting Author</b>	<b>Title</b>
<u>43</u> PS.31	<b>Luisa Barbieri</b> Università degli Studi di Modena e Reggio Emilia	Engineering circular nutrient systems through material design and bio-assisted processes for environmental protection and soil restoration
<u>44</u> PS.32	<b>Raffaele Longo</b> Università degli Studi di Salerno	Chemical Recycling of Epoxy Composites in Mild Conditions
<u>45</u> FP.11	<b>Beatrice Bonaldo</b> Università di Trento	Sustainable Synthesis of Boron Carbide via Polyol-Based Precursors and Rapid Carbothermal Reduction
<u>46</u> PS.33	<b>Francesco Parrino</b> Università di Trento	Tailoring the structural and physico-chemical properties of starch-TiO <sub>2</sub> nanocomposites through the incorporation of diverse antioxidants
<u>47</u> PS.34	<b>Maria Enrica Di Pietro</b> Politecnico di Milano	Novel ionic additives for safe and durable electrolytes in lithium-ion batteries
<u>48</u> PS.35	<b>Omar Al Zeer</b> Sapienza Università di Roma	Phase-guided design of layered Na <sub>x</sub> (Mn,Ni)O <sub>2</sub> cathodes: experimental phase maps and operando thermodynamics
<u>49</u> PS.36	<b>Francesca Anna Scaramuzzo</b> Sapienza Università di Roma	Sustainable and innovative materials for advanced energy storage devices
<u>50</u> FP.07	<b>Matteo Battaglia</b> Università degli Studi di Roma Tor Vergata	Performance study and characterization of mixed oxides for thermal energy storage applications
<u>51</u> PS.37	<b>Seyedeh Maryam Hassani Vanhari</b> Università degli Studi di Roma Tor Vergata	Rational Design of Phosphorus-Functionalized PBAs-Derived Electrocatalysts for Oxygen Evolution Reaction
<u>52</u> PS.38	<b>Isabella Natali Sora</b> Università degli Studi di Bergamo	Structural changes of La <sub>0.6</sub> Sr <sub>0.4</sub> Fe <sub>0.6</sub> Mn <sub>0.2</sub> Ni <sub>0.2</sub> O <sub>3-δ</sub> perovskite induced by reduction-oxidation cycles
<u>53</u> FP.05	<b>Giuseppina Anna Corrente</b> Università degli Studi di Messina	Bio-Based Polysaccharides for Low-Temperature Thermochemical Energy Storage
<u>54</u> FP.06	<b>Simone Ghezzi</b> Università degli Studi di Milano	Recovery, characterization and purification of LiPF <sub>6</sub> extracted from lithium-ion batteries
<u>55</u> PS.39	<b>Enrico Negro</b> Università degli Studi di Padova	Improved Synthetic Route Towards Advanced "Core-Shell" Carbon Nitride Electrocatalysts for the Oxygen Reduction Reaction
<u>56</u> FP.04	<b>Gioele Pagot</b> Università degli Studi di Padova	Acetate-Driven Control of Zinc Deposition in Zn-I <sub>2</sub> Redox Flow Batteries

<b>Place Code</b>	<b>Presenting Author</b>	<b>Title</b>
<u>57</u> PS.40	<b>Paolo Sgarbossa</b> Università degli Studi di Padova	Engineered organic-inorganic composite electrolytes for solid-state Mg batteries
<u>58</u> PS.41	<b>Keti Vezzù</b> Università degli Studi di Padova	Cation-Exchange Ionomers for Selective Lithium Recovery from Geologic Brines: Physicochemical Characterization and Binding Mechanisms
<u>59</u> PS.42	<b>Riccardo Ceccato</b> Università di Trento	Lead-free halide perovskites: synthesis and visible light photocatalytic applications
<u>60</u> PS.43	<b>Sandra Dirè</b> Università di Trento	Novel nanocomposites for thermal management: effect of interfacial interactions on thermal conductivity
<u>61</u> FP.20	<b>Emmanuel De Gregorio</b> Università di Napoli Parthenope	Tailoring Phosphoric Acid Doping in Electrospun Polybenzimidazole Membranes: From Adsorption Modeling to Proton Transport
<u>62</u> PS.44	<b>Eleonora Pavoni</b> Università Politecnica delle Marche	An Ab initio analysis of V-doped WSe <sub>2</sub> as emerging materials for THz applications
<u>63</u> FP.08	<b>Miryam Gulino</b> Sapienza Università di Roma	PVD carbon and nitride coatings for application in metallic bipolar plates
<u>64</u> PS.45	<b>Eugenio Lunedei</b> CNR ISMN - Bologna	Temperature-dependent microspectroscopy of Egyptian Blue crystals and exfoliated nanosheets
<u>65</u> FP.21	<b>Maria Trisolini</b> Politecnico di Bari	An NMR-Based Approach for Monitoring the slow-growing bacterium <i>Xylella fastidiosa</i>