

MYCS 2026

25th edition of Merck Young Chemists' Symposium

Rimini, 16th–18th November 2026

SCIENTIFIC PROGRAM

11:30	Registration and check in - Conference desk @Hotel Ambasciatori
14:20	Opening Ceremony - Sala Quarzo
14:30	**Session 1 - Sala Quarzo**
	PL01 – **Michele Suman** Twenty years of European Funded Projects: a Concrete Experience of Valuable Implications derived from Academia-Industry Partnership *Barilla G. R. F.lli SpA; University of Parma; Catholic University Sacred Heart, Piacenza; University of Prague*
15:15	**Session #1bis**
	SP01 – **Roberto Pascucci** Merck Life Science: who we are and what we do
	JCF GDCh – JungesChemieForum Gesellschaft Deutscher Chemiker
	SSHKD – Studentska sekcija Hrvatskog kemijskog društva
	SCQJ – Secció Jove de la Societat Catalana de Química
	SP02 – **INSTM** National Interuniversity Consortium of Materials Science and Technology
	SP03 – **EYCN** European Young Chemists Network
16:30	Coffee Break @Hall Hotel Ambasciatori

17:00 Session 2 – Parallel sessions

Session #2A - Sala Quarzo

Chairs: Andrea Cerrato & Chiara Maccari

OR01 - Davide Paolini (UNITE)
Additive manufacturing to develop 3D-sensing and diagnostic devices that include complete analytical workflows

OR02 - Filippo Lugli (UNIMORE)
Low-cost flow-based electrochemical method for rapid Δ^9-THC detection in synthetic biological matrices

OR03 - Francesca Palla (UNIBO)
Electrochemiluminescence to study plasmonic effects in $Ru(bpy)_3^{2+}$-loaded Au/Ag Core–Shell Nanoparticles

OR04 - Gennaro Persico (UNINA)
Upcycling Spent Battery-Derived $LiCoO_2$ as a Modifier for 3D-Printed Electrochemical Oxidative Stress Sensors in Cellular Models

OR05 - Luca Capelli (UNIPR)
Transcription Factor-to-DNA Signal Transduction for Programmable CRISPR Networks

OR06 - Viola Patrizi (UNIROMA2)
Programmable gene circuit cascades for ultrasensitive biomarker detection

FL01 - Alessia Santilli (UNITO)
Searching for proxies of emerging contaminants across a full-scale wastewater treatment plant: a chemometric and machine learning approach

FL02 - Silvia Barbi (UNIMORE)
Data analysis and predictive modeling of vineyard soil properties using machine learning

Session #2B - Sala Giada

Chairs: Alice Cappitti & Anna Gagliardi

OR07 - Clara Saetta (UNIMIB)
Role of Charge State of Single-Atom Catalysts in Hydrogen Evolution

OR08 - Emanuele Bosetti (UNIBO)
Direct H_2 production by aqueous phase reforming of cellulose over NiMgAl hydrotalcite-derived catalysts: the counterintuitive effect of the addition of H_2

OR09 - Mattia Lambertini (UNITO)
Electrosynthesis of copper based material for selective CO2 electroreduction to formate

OR10 - Nicola Calderaro (UNIVE)
Photocatalysts design for the sustainable production of green solar fuels

OR11 - Riccardo Trevia (UNIGE)
Plasmon-Enhanced Indium Oxide Monolithic Coatings for Solar Driven Degradation of Emerging Contaminants

FL03 - Ada Celeste Mosca (UNIPD)
A new photocatalytic way to vinyl chloride

FL04 - Andrea Baschiera (UNIPD)
Covalent Organic Frameworks (COFs) as heterogeneous photocatalysts for acetylene to ethylene semi-reduction with water as proton source

FL05 - Costanza Fantin (UNITS)
Structure-sensitive role of imidazolium-based organic additives to CO2 electroreduction on copper electrodes

FL06 - Magdalena Medrzycka (UNIBO)
Engineering a photodecarboxylase for stereospecific radical coupling

17:00 Session 2 – Parallel sessions

Session #2C - Sala Zaffiro-Turchese

Chairs: Morena Miciaccia & Alessio Romerio

OR12 - Anselma Liturri (UNIBA)
Rational design of *h*ClpP activators for Diffuse Intrinsic Pontine Glioma treatment

OR13 - Giulia Salsano (UNISA)
Crosslinker Architecture Tailors Oxidized Inulin Hydrogels for 3D Intestinal Tissue Modelling

OR14 - Gabriele Rotili (UNIROMA1)
Design and Synthesis of New Antitumor Agents Modulating hCA IX/XII, P-gp, and Wnt/β-Catenin Signaling

OR15 - Chiara Battisegola (UNINA)
Bioisosteric Design and MCR-Based Synthesis of NovelTetrazole-Based Arginase Inhibitors

OR16 - Rosalba Leuci (UNIBA)
Nature-Inspired Semisynthetic Hybrids: A Multi-Target Strategy for Alzheimer's Disease

FL07 - Chiara Savian (UNIPR)
Toward αvβ8 Integrin-Specific Cyclopeptide Ligands

FL08 - Claudia Colla (UNIROMA1)
A Novel Pyrrole Derivative Induces Ferroptosis in Triple-Negative Breast and Colorectal Cancer.

FL09 - Doralice Giorgini (UNIPI)
Bringing TSPO to Light: Design and Evaluation of PIGA-L-Cy5

FL10 - Filippo Bergamin (UNIPD)
Medicinal Chemistry Strategies for Sustained Pyocyanin-Mediated Restoration of Mitochondrial Bioenergetics

Session #2D - Sala Smeraldo - Rubino

Chairs: Eleonora Rossi & Sara Massardo

OR17 - Arianna De Santis (POLIMI)
Valorization of textile waste into nanocellulose-based aerogels for sustainable water remediation

OR18 - Carmela Chianese (UNIBO)
Optimizing two-stage flue-gas cleaning system: an economic and environmental assessment

OR19 - Davide Avanzino (UNIGE)
Sorption properties of oxide thin films for the applications in environmental fields

OR20 - Francesco Brenda (UNIBO)
Life Cycle Assessment of a CO_2-free methane splitting catalytic process into hydrogen and carbon nanotubes

OR21 - Maurizio Vespignani (ISSMC-CNR)
Phase-Engineered Calcium Ferrites as Multifunctional Platforms for Water Remediation and Thermochemical CO_2 Splitting

FL11 - Diego Pini (UNIPR)
Mechanochemical synthesis of lignin-based hybrid materials with antimicrobial activity for aquaculture applications

FL12 - Elena Ducoli (UNIPI)
An innovative approach for the valorisation of fish processing waste through bio-based adhesives

FL13 - Flavia Fusari (UNIPR)
Hybrid Organic-Inorganic Materials for Carbon Capture

FL14 - Michele Dardanelli (UNITO)
Electrochemical degradation of PFOA with hydroxyapatite-based electrodes

19:30	Theme Dinner @ Hotel Sporting Restaurant **Wrong event: Be anywhere, dressed for anything… except a conference dinner!**
21:00	**Poster Session** @Sala Ametista – Hotel Ambasciatori POS001-POS017 and FL01-FL014
22:00	Welcome Drink @Hall Hotel Ambasciatori

9:00	**Session 3 - Sala Quarzo**
	PL02 – **Francesca Brunetti** Yoga for scientists: A Lifelong Journey of Well-Being Through all the Stages of the Academic Career *University of Rome Tor Vergata*
9:45	**Premio Levi Awards Ceremony** Gruppo Giovani Società Chimica Italiana
10:30	**Group Picture!!**
10:40	Coffee Break @Hall Hotel Ambasciatori

11:00 Session 4 – Parallel sessions

Session #4A - Sala Quarzo

Chairs: Laura Alessandroni & Andrea Cerrato

OR22 - Alessandro Annunziato (CNR Bari)
Beyond standard trichothecenes: Profiling emerging NX Toxins in rice and wheat

OR23 - Beatrice Zonfrillo (UNIFI)
From bioaccessibility to intestinal transport: an in vitro study on phenolics from olive pâté and pomegranate peel by-products

OR24 - Elisa Irrera (UNIME)
Unveiling the Hidden Aroma: Identification of Trace-Level Key Odorant Compounds in Orange Essence Oil

OR25 - Ghazal Namazzadeh (UNICAM)
Impact of a novel copper-free formulation on stilbene biosynthesis in grapevine shoots

OR26 - Francesca Bruno (UNIROMA1)
Development of an Electrochemical Aptasensor for the Rapid Detection of Deoxynivalenol in Cereal Samples

OR27 - Vincenzo Piccolo (UNINA)
Sustainable Extraction of Rutin from Piennolo Tomato Leaves for Topical Antiglycation Applications

FL15 - Arianna Monacelli (UNIBO)
Preparation of Tannin/Chitosan Nanoparticles for their Potential Application in Enology

FL16 - Francesca Monzillo (UNISA)
High-Throughput Data Processing and Analysis Pipeline for Phytochemical Profiling of Lepidium sativum at different Developmental Stages

FL17 - Mirco Rivi (UNIMORE)
Characterization of the Gorgonzola PDO Supply Chain via FTIR and HS-SPME-GC/MS

FL18 - Kainat Rao (UNIFE)
Volatile Profile-Based Authentication of Italian Coriander Honey by Sorptive Extraction, GC-MS, and Chemometrics

FL19 - Paridokht Azizollahi
Untargeted UHPLC-HRMS Metabolomics of Grapevine Rootstocks Inoculated with a Synthetic Microbial Community

FL20 - Nikta Niki (POLIMI)
Accelerated Whisky Aging: Laboratory-Scale Process Optimization

11:00 Session 4 – Parallel sessions

Session #4B - Sala Giada

Chairs: Giovanni Falcone & Alice Cappitti

OR28 - Camilla Casciello (UNINA)
Advanced Microneedle Platforms: Integrating Innovative Fabrication and Functional Biomaterials

OR29 - Jennifer Esposito (UNIVAQ)
Tuning the Pore Aperture of ZIF-8 for a pH-Responsive Drug Delivery System

OR30 - Marinella Tano (UNITE)
In silico prediction, HRMS and molecular networking for the structural elucidation of biotransformation products of pharmaceuticals in zebrafish (*Danio rerio*)

OR31 - Rossana Comito (UNIBO)
Exploring the Exposome through Integrated Exhaled Breath and Breath Condensate Analysis

OR32 - Maria Cristina Molaro (UNINA)
Development of a Mitochondria-Targeted Nanoplatform for ARG2 Inhibition

OR33 - Vita D'Amico (UNIBA)
Dual-Delivery Microencapsulation of β-Galactosidase and Lactobacillus acidophilus for Lactose Intolerance

FL21 - Francesca Commito (UNIVAQ)
Liposomal Encapsulation of Saffron

FL22 - María del Carmen Padilla Pérez (UNIPR)
PNA-Based Artificial DNases for next generation antibacterials

FL23 - Virginia Fusco (UNICAMPANIA)
Aggregation of the N-Terminal Domain of Human Prion Protein induced by polystyrene nanoplastics

FL24 - Lucrezia Spinelli (UNIMI)
Targeting TLR-mediated inflammation in metabolic and systemic disease

FL25 - Marco Cerini (UNIBA)
Sustainable synthesis and integrated biological and bioanalytical characterization of tacrine-like multi-target candidates for Alzheimer's disease

11:00 Session 4 – Parallel sessions

Session #4C - Sala Zaffiro-Turchese

Chairs: Marco Mendolicchio & Daniele Del Giudice

OR34 - Aleksa Durdevic (UNIBO)
Single-step access to complex cyclobutanols through double consecutive functionalization of sp^3 carbons

OR35 - Annagioia Mastrolorenzo (UNINA)
Exploring the Boundaries of Cyclometallated Iridium(III) Sensitizers in Photoelectrochemical Organic Transformations

OR36 - Beatrice Maiorca (UNITO)
Luminescent heteroleptic copper(I) complexes: development and characterization

OR37 - Claudia Vissani (UNIVAQ)
Photo-radical enol chemistry with aryldiazosulphones

OR38 - Daniele Conelli (POLIBA)
Controlling N-Centered Radical Chemistry at Metal-Halide Perovskite Interfaces for Visible-Light C–N Bond Formation

OR39 - Marco Manni (UNITS)
Phenol-Rich Carbon Dots as Green-Light Active Photocatalysts in Radical Organic Chemistry

FL26 - Alexandra Abrudan (UNIPD)
Selective semi-hydrogenation of acetylene with a cobalt-quaterpyridine catalyst and carbon nitride as photosensitizer

FL27 - Claudia Masia (UNIPD)
Self-assembling donor-acceptor dye that displays off/on photocatalytic H_2 evolution

FL28 - Josip Mikulić (UNIZG)
Evaporate your protecting group: hydrogen bond acceptors as transient masking groups in carbene-intermediate reactions

FL29 - Laura Massignani (UNIPD)
Designing Cobalt Catalysts for Photoredox-Driven Reductive Transformations

Session #4D - Sala Smeraldo-Rubino

Chairs: Laura Riva & Gianluca Fago

OR40 - Anna D'Addario (UNIVAQ)
Unravelling the influence of synthesis parameters on Graphene Oxide Quantum Dots (GOQDs): a preliminary top-down study

OR41 - Francesca Mancuso (UNICZ)
Selective hCA XII inhibitors: from isoform selectivity to antiproliferative activity

OR42 - Luca Gianoglio (UNITO)
Sustainable In Situ Fabrication of Metal-Supported Porous Carbon Fibers via Pyrolysis of Cross-Linked Maltodextrin Mats

OR43 - Mario Guyon (UNIBA)
Functionalisation of diatom biosilica and living diatoms with fluorescent magnetic particles: toward bionic microrobots

OR44 - Sara Scalia (UNIROMA2)
Immune-induced antibody-DNA hybrid condensates

FL30 - Leonardo Nichele (UNIROMA1)
From Insulation to Function: Multimaterial 3D Printing of Iron-Oxide-Based Electrochemical Interfaces

FL31 - Sabri Kagan Sirt (UNIGE)
Integrated Electrochemical Assessment of Zinc-Phosphate Epoxy Coatings by ACET: Influence of Pigment Loading and Dry-Film Thickness

12:30	Business Lunch @Hotel Sporting Restaurant
14:30	**Session 5 – Sala Quarzo**
	PL03 – **Paola Ceroni** Photocatalysis and Unexpected Photochemical Mechanisms *University of Bologna*
15:15	**Assemblea Annuale dei soci** Gruppo Giovani Società Chimica Italiana
16:15	Coffee Break @Hall Hotel Ambasciatori
16:30	**Poster Session** @Sala Ametista – Hotel Ambasciatori POS018-POS032 and FL15-FL31

17:30 Session 6 – Parallel sessions

Session #6A - Sala Quarzo

Chairs: Chiara Maccari & Laura Alessandroni

OR45 - Alice Vetrano (UNIVAQ)*
Cross-Linking Mass Spectrometry: From Local Cross-Links to Protein Structure and Dynamics

OR46 - Claudia Caboni (UNIGE)
Micro-Raman spectroscopy for microplastic detection in biological and peritoneal dialysis-related matrices

OR47 - Fethiye Gulsen Tosun (ATATURK)
Development of an HPLC-UV Method for the Determination of Metronidazole Using the Box-Behnken Experimental Design Approach

OR48 - Francesca Cannizzaro (UNIME)
Decoding environmental dynamics in heritage interiors: integrating continuous monitoring and advanced gas chromatographic techniques

OR49 - Hatice Ülker (ATATURK)
Spectrophotometric Method Development and Validation for the Determination of Quercetin in Human Plasma

OR50 - Lorenzo Cortesi (UNIPR)
Metabolomic Analysis of Early Medieval Dental Calculus from Alpine Sites: Insights into Lifestyle and Anthropological Differences

OR51 - Lorenzo D'ippolito (UNIROMA1)
Formation of Copper(II) Oxide Nanoparticles Under Mild Conditions within Confined Volumes.

**ChiMiCapisce contest winner*

Session #6B - Sala Giada

Chairs: Daniele Del Giudice & Giovanni Falcone

OR52 - Andrea Spinaci (UNICAM)
Targeting P2X7 Receptors in Cancer: Development of Novel Antagonists

OR53 - Aziza Caccia (UNIMI)
Ferulic acid dimers and their amides as novel antifungal agents against phytopathogenic fungi

OR54 - Filippo Preti (UNIMI)
Continuous Flow Technology for the Synthesis of 2-azabicyclo[2.2.0]hex-5-ene derivatives

OR55 - Luca Nespoli (POLIMI)
Sustainable biocatalytic and highly α-selective glucosylation of substituted phenols

OR56 - Margherita Teresa Barbero (POLIMI)
DIADES: structural and dynamics features of homochiral-based Deep Eutectic Systems

OR57 - Martina Occhi (UNIBO)
Light Driven Liquid Crystalline Networks for Energy Conversion

OR58 - Giulia Marcolli (POLIMI)
Design and synthesis of novel guanidine-bispidinic structures as promising antimicrobial lead compounds

17:30 Session 6 – Parallel sessions

Session #6C - Sala Zaffiro-Turchese

Chairs: Matteo Bonomo & Sara Massardo

OR59 – Alessia Pollice (Springer Nature)
From CO_2 Reduction to *Nature Reviews Materials*: a Journey Beyond the Lab

OR60 - Andrea Grillo (UNINA)
Antisite-driven self-pillaring as design strategy for high-voltage Na^+ cathodes: Zr-doping effect on P2-$Na_{0.84}ZrxNi_{0.37-x}Mn_{0.63}O_2$

OR61 - Andrea Astengo (UNIGE)
Valence and Local Structure Investigation in Filled Skutterudite

OR62 - Antonino Giarrizzo (UNIROMA1)
Role of Iron Impurities in the Performance and Phase Formation of Recycled Cathode Materials

OR63 - Francesca Niccolai (UNIPI)
Two-photon lithography as enabling technology for the fabrication of conformal electronic components on 3D microstructures

OR64 - Luca Valzano (POLITO)
About the role of copper in moisture sensitivity of high entropy O3-type Na-layered oxides

OR65 - Riccardo Bianco (UNITO)
Zeolite–Hydride Nanocomposite Electrolytes for Solid-State Lithium Batteries

Session #6D - Sala Smeraldo-Rubino

Chairs: Fabio Pizzetti & Cosimo Brondi

OR66 - Adua Corlianò (UNIROMA1)
Amphiphilic Polymer–Peptide Architectures as Versatile Antimicrobial Nanomaterials

OR67 - Carmen Corea (POLIMI)
Nanocellulose extraction and valorization from Spent Coffee Grounds for primary and secondary packaging

OR68 - Chiara Slaviero (UNIPD)
Guest-Encoded Kinetic Control in Dynamic Covalent Cage-to-Cage Transformations

OR69 - Elisa Giovanna Faggioli (POLIMI)
Toward greener papermaking: cationic nanocellulose as a bio-based alternative to fossil-derived wet strength additives

OR70 - Gianmarco Papi (UNIPI)
Undoped and Sn-doped In_2O_3 Nanocrystals: a versatile platform for infrared plasmonic applications

OR71 - Giulia Ludovisi (UNIBO)
Stilbene-based cations: a springboard for lead-free perovskites

19:30 Theme Dinner @ Hotel Sporting Restaurant

Neon lights, big hair and iconic hits.
Let's party like it's the 80s!



23:00 Disco party @Coconuts

9:00 Session 7 – Parallel sessions

Session #7A - Sala Quarzo

Chairs: Alessio Romerio & Morena Miciaccia

OR72 - Alessio Mainetti (UNIMI)
Integrated Modern Synthetic Technologies Enable the Efficient Synthesis of the PI3Kγ Inhibitor NVS-PI3-4

OR73 - Angela Belcastro (UNIMIB)
Synthesis and biological evaluation of novel covalent inhibitors of MOK kinase for the treatment of neuroinflammation in amyotrophic lateral sclerosis

OR74 – Mirko Pineschi (UNISI)
Novel Trypanothione reductase inhibitors: progress and prospects

OR75 - Emilio Brancaccio (UNISA)
Elucidating the Silybin A Interactome in Human Cancer Cells by DARTS Proteomics: Identification of Moesin and Galectin-3 as Main Binding Partners

OR76 - Francesca Malagutti (UNIPR)
Benzotriaziole Derivatives as Alternative O-Acetylserine Sulfhydrylase Substrates to Impair Cysteine Biosynthesis in Gram-Negative Bacteria

OR77 – Erica Sanna (UNICA)
Dual inhibitors of SARS-CoV-2 Nsp13 helicase functions with broad anti-hCoV activity and combination effects with approved antivirals

OR78 - Martine Eleonora Valenti (UNIPR)
Design and synthesis of novel DDX3X translocation inhibitors active against Ebola and Marburg viruses

OR79 - Michela Spirelli (UNIPR)
Development of a Bioreductively Cleavable Integrin Ligand-Nintedanib Conjugate: Synthesis and Release Studies

Session #7B - Sala Giada

Chairs: Anna Gagliardi & Anna Dall'Anese

OR80 - Andrea Serafino (UNIPR)
Copper-Catalyzed N-Allenylation of Nitrogen Heterocycles Using Allenyl Boronic Esters

OR81 - Francesca Sardu (UNIBO)
Mechanically Interlocked Catalysts for Aerobic Oxidation of Primary Alcohols

OR82 - Martina Mazzaferro (UNIRC)
The role of composition in "real" OER catalysts derived from (Cr,Mn,Fe,Ni,Sn) high-entropy oxides pre-catalysts

OR83 - Francesco Mancuso (UNITS)
Molecularly Engineered Hybrid Interfaces for Selective CO_2 Electroreduction on Silver and Copper

OR84 - Sebastiano Pallanch (UNITS)
Synthesis of a fully benzenoid phenothiazinium ion for red-light driven photocatalysis

OR85 - Serena Xhihani (UNIPI)
Toward Selective Sulfoxide Electrosynthesis: Exploring the Role of Ionic Liquids in Shaping Selectivity

OR86 - Simone Potenti (UNINA)
Proline-decorated 5,6-dihydroxyindole: a useful precursor for the preparation of a melanin-supported organocatalyst

9:00 Session 7 – Parallel sessions

Session #7C - Sala Zaffiro-Turchese

Chairs: Angela Marotta & Eleonora Rossi

OR87 - Antonio Esposito (UNISA)
Development of a cerimetric method for the determination of Chemical Oxygen Demand (COD)

OR88 - Claudia Pasqualini (UNICAM)
Hydrophobic to hydrophilic switchable deep eutectic solvents for extraction and recover of valuable molecules from blue crab shell waste.

OR89 - Francesco Zorzetto (UNIVE)
Mechanochemical Extrusion for Sustainable Synthesis of Amides and Amines via the Leuckart Reaction

OR90 - Giulia Simeone (UNINA)
Crystal structure-property relationships in chemically recyclable disubstituted poly(δ-valerolactones)

OR91 - Lorenzo Remia (UNICAM)
Green-Synthesized Gold and Silver Nanoparticles from Agro-Food Waste as Plasmonic Nanoprobes for Heavy-Metal Monitoring in Water

OR92 - Maria Glielmi (UNISA)
A green headspace GC-FID approach for the determination of atmospheric BTEX

OR93 - Mattia Isola (UNITO)
Effects of inorganic constituents on the thermal decomposition of phenolic resin and aramid fiber composites

OR94 - Simona Di Bonito (UNITO)
Protection of water ecosystem services through microplastic monitoring in European freshwater systems

Session #7D - Sala Smeraldo - Rubino

Chairs: Cosimo Brondi & Marco Mendolicchio

OR95 - Alessandro Azzali (UNIROMA1)
Sulfide solid electrolytes modeling through machine learning interatomic potentials

OR96 - Alessia Casale (UNIMI)
An innovative strategy to target the lipid kinase PI3Kδ for immuno-oncology applications

OR97 - Daniele Bondi (UNIBO)
Integrating Computational Methods and Artificial Intelligence for Inverse Molecular Design of Novel Purine Derivatives Using PROTEUS

OR98 - Enrico Mario Alessandro Fassi (UNIMI)
AI-Engineered Peptide Modulators of WWP1 in Breast Cancer

OR99 - Federico Lazzari (SSM)
When Milliångströms Matter: From Core–Valence Correlation to Rotational Spectra

OR100 - Francesca D'Ambrosio (UNIROMA1)
Unraveling Structure–Property Relationships in Carbon Nanodots: a Computational Challenge

OR101 - Gabriele Iuzzolino (INSTM)
Realistic Models of Soft Carbon for Green Graphite and Hydrogen Production

OR102 - Giulia Frigerio (UNIMIB)
A graphene oxide-based nanocarrier for targeted drug delivery: insights from molecular dynamics simulations

OR103 - Lorenzo Lapi (UNIPI)
Towards Correlated Multireference Methods for Embedded Systems: an AC0-CASSCF Implementation

10:30	Coffee Break @Hall Hotel Ambasciatori
10:50	**Session 8 – Sala Quarzo**
	PL04 – **Andrea Mezzetta** Ionic liquids vs deep eutectic solvents: who will lead the sustainability transition? *University of Pisa*
11:35	SP04 – **Assunta Romano** Driving Science, Sustainability and Innovation: Merck's Commitment to a Better Future *Merck Italia*
12:15	Awards
12:30	Closing Ceremony
12:45	Business Lunch @Hotel Sporting Restaurant

POSTERS

DAY 1

POS001	**Fardin Abdi**	*Sequential Cascade Biorefinery of Shrimp Shell Waste Aimed at the Recovery of Bioactive Compounds*
POS002	**Simona Amoroso**	*Design and Synthesis of Photo-responsive Amphiphiles as Tools for Controlling Membrane Permeability*
POS003	**Chiara Angileri**	*Sustainable Valorization of Soybean Hulls: From Cellulose to Functional Materials*
POS004	**Rebecca Castellacci**	*Ellagic Acid-loaded liposomes improve neuroprotection in an in vitro model of amyloid-induced neuronal damage*
POS005	**Alessandro Di Girolamo**	*Development and characterization of a CRISPR-Cas12a magnetic beads assay with bioluminescent readout*
POS006	**Jonathan Di Pietro**	*Expanding the Scope of Anion-Binding Catalysis with Carbazole-Triazole Frameworks*
POS007	**Samuele Salvatore Esposito**	*Enantioselective Organocatalytic Aldol Reactions of α-Angelica Lactone*
POS008	**Anna Fusetti**	*Iron starvation against rice blast: first synthesis of glomuferrin and biological evaluation of α-hydroxycarboxylate siderophores as ferroptosis inhibitors*
POS009	**Xinxi Huang**	*Effects of processing routes, multiphase system engineering and doping on the properties of ZnSb thermoelectric alloy*
POS010	**Maria Beatrice Iacovino**	*Tailoring the Electrochemical Activation of 3D-Printed CB/PLA Electrodes for Flavonoid Determination in Complex Matrices*
POS011	**Manuela Iglesias Cernadas**	*Inkjet-Printed Graphene Acid-Based Electrodes for Electrochemical Biosensing of Endometriosis*
POS012	**Francesca Lopriore**	*Development of a Degradable Crosslinker via Lactide ROP for High-Resolution Two-Photon 3D printing of Antibacterial Resins*
POS013	**Sophie Lüggert**	*DNA-guided assembly of a Triplet-Triplet Annihilation Upconversion System*
POS014	**Leonardo Maiorana**	*A BBB-Permeable Guanylhydrazone Analogue of the ASIC3 Activator GMQ Inhibits Human Glioblastoma Stem Cell Growth In Vitro*
POS015	**Samuel Martinini**	*Life Cycle Assessment of furfuryl alcohol valorization to γ-valerolactone, with bi-functional Aquivion/zirconia catalyst*
POS016	**Nunzio Matera**	*Light-driven defluorinations enabled by an α,α-disubstituted indoline-2-thione*
POS017	**Katia Micele**	*Base-Free Chan–Lam Coupling of Imidazoles Catalyzed by Reusable Cu-Containing Polymers*

POSTERS

DAY 2

POS018	**Camilla Molinaro**	*Inkjet printed Ti3C2Tx-based temperature sensor for external monitoring of batteries*
POS019	**Agnese Pavan**	*Development of multifunctional biopolymer-based hydrogels for sustainable agriculture applications*
POS020	**Lorenzo Pirollo**	*In Situ photopolymerized ionogels for safe high-Voltage lithium metal batteries*
POS021	**Daniela Maria Pizzone**	*Prospective life cycle assessment for the full valorization of anchovy fillet leftovers: The LimoFish process*
POS022	**Eleonora Previati**	*Low-dimensional metal halide perovskitoids templated by imidazolium cations*
POS023	**Michele Ranotto**	*Anthracene Derivatives for Aggregation Induced Emission and Photocatalysis*
POS024	**Anna Scholl**	*High temperature investigations in the HfO2-YTaO4-ZrO2 system*
POS025	**Hatice Cansu Sezer**	*Comprehensive Phytochemical, Multi-Elemental and Antioxidant Profiles of Moringa oleifera Lam. Leaves Harvested from Madagascar.*
POS026	**Leonardo Sparascio**	*A Combined Design of Experiments and LCA Approach to Optimal Thermal Demagnetization of NdFeB Magnets*
POS027	**Samuele Usai**	*Access to 2-Oxabicyclo[2.1.1]hexan-3-ones as Potential (bio)isosteres for Medicinal Chemistry*
POS028	**Laura Riva**	*Environmental Safety of Functionalized Nanocellulose in Marine Systems: Biological Response and Interaction with Venlafaxine*
POS029	**Danilo Munì**	*Effects of Reversal Currents and Iron Contamination on Alkaline Water Electrolysis Electrodes*
POS030	**Daniele Del Giudice**	*A Single Component Chemical System to Encode Complex Temporal Evolution of pH*
POS031	**Enrico Loche**	*Advanced Pharmacophoric Approach For Design of Kinase CDKL1 Inhibitors*
POS032	**Lorenzo Massi**	*Mercury in Arctic Soils and Mosses: Spatial Distribution across the Kaffiøyra Region, Svalbard*