

## Posters List

Poster ID	Presenter	Title
P01	Baldauf S	Structure-guided investigation of parameters determining enzyme-catalyzed reactions
P02	Bickel S	Disease suppression through plant and soil microbiome diversity
P03	Bieber M	Flowing Power: Design, Synthesis and Characterization of Water-Soluble Phenazines in Redox-Flow Batteries
P04	Böhm C	Optical control of phosphatase activity in naturally occurring red-light regulated PPM phosphatases
P05	Bucak Gasser D	Native chemical ligation (NCL) of peptides to polysaccharides: an in situ $^1\text{H}$ NMR study
P06	Chen X	Zeolitic Imidazolate Framework-Based Biocomposites: Semi-automated Synthesis and Interactive Visualization
P07	Festl W	Polyvalent Ligand Presentation on Click-Functionalized Cellulose
P08	Gadermaier B	Using in-situ and operando X-ray powder diffraction and $^7\text{Li}$ NMR to monitor solid-state reactions in batteries
P09	Gadermaier B	Fast $\text{Li}^+$ Diffusion in Lithiated LATP as Seen by Motion-Induced Nuclear Spin Relaxation
P10	Hochegger A	Analytical Chemistry and Food Safety: From Genotoxicity to Sensory Relevance
P11	Hofmann C	Discovery of non canonical phospholipid synthesis pathways utilizing $^{13}\text{C}$ -labelled glycerophosphate derivatives
P12	Kastner K	Biocatalytic Exploitation of Enzymes Encoded in Glycoside Utilization Loci
P13	Kienberger M	ToFuel - An integrated biorefinery for sustainable aviation fuel production from tomato residues
P14	Kiziltan Ö	Advancing Electrochemical Hydrogen Production: Diagnosis and Alternative Pathways
P15	Kögl I	Microbiome Engineering for Sustainable Ecosystems and Agriculture
P16	Kolathuparambil S	Computational Design of Sequence-Specific Metalloproteases for Scarless Affinity Tag Removal
P17	Koller E	Integrated gas fermentation: From microbial $\text{CO}_2$ utilization to scale-up
P18	Königsreiter J	Li Jump Diffusion and Long-Range Transport in Garnet Single Crystals: Spanning the kHz–GHz Range
P19	Lammer M	Metals as Energy Carriers in a Future Hydrogen Economy
P20	Lanzmaier T	Engineering Dehaloperoxidases for Phenolic Pollutant Removal
P21	Leodolter J	Automated Construction and Property Exploration of Coordination Cages
P22	Lu Y	Electrified Biocatalysis: Enzyme-Based Bioelectrochemical Systems for Value-Added Products
P23	Luttenberger A	Design and Synthesis of N-functionalized Derivatives of 2,5-Dideoxy-2,5-imino-D-mannitol (DMDP) as Selective Glycosidase Inhibitors

Poster ID	Presenter	Title
P24	Maier L	Virtues and Merits of Pods in Discrete Element Method-based Simulations
P25	Mayer J	Synthesis of Glycoamphiphilic Structures for the Assembly of Glyco-Nanodiscs
P26	Mayr T	In-line monitoring of oxygen, pH, glucose and lactate in organ-on-chips with integrated optical sensors
P27	Mohan T	Mechanically Tunable 3D-Printed Hydrogels via Dual Enzymatic and Ionic Crosslinking
P28	Niedersüß F	Entropy Measurements to Investigate Hard Carbon as a Battery Active Material
P29	Pint D	Support-Assisted 3D Printing of Cellulose Hydrogels for Complex Biomimetic Architectures
P30	Rath T	Material Properties Shaping Performance and Stability in Organic and Perovskite Solar Cells and Organic Field-Effect Transistors
P31	Reitinger P	Synthesis of ApoA1 Mimetics
P32	Roschger M	Machine Learning-Driven Process Engineering and Manufacturing
P33	Rossegger E	Spatially Tunable Photopolymer Networks
P34	Schaubeder J	Programming Cellulose Assembly and Morphology through Enzymatic Control of Chain Polymerization
P35	Schmallegger M	Illuminating reaction mechanisms: spectroscopy-led insights from photoinitiated polymerization to photoresponsive materials
P36	Schmid S	Marker-Free Co-Production of Industrial Enzymes and Natural Pigments in <i>Komagataella phaffii</i>
P37	Siegmund B	Flavour Chemistry and Sensory Science to Address Current Challenges in Fruit Cultivation
P38	Slugovc C	Harnessing carbenoid reactivity from imidazoles and oxiranes
P39	Spari E	Application of 1,5-Dideoxy-1,5-L-iditol (DIJ) Presenting Ligand Directed Chemistry Probes for Labeling of Different Glycoside Hydrolases
P40	Steinbrugger M	Materials Design and Sustainable Synthesis for Organic Electronics
P41	Wicaksono W	Harnessing Environmental Microbial Diversity for Human Health: Insights from Meta-Analysis and Fermented Food Systems
P42	Wolf A	Modular Synthesis of Teraryl-based Alpha-Helix Mimetics
P43	Wolfgang A	Molecular and Microbial Aspects in Biological Insect Control
P44	Xinhao L	Metal-organic frameworks (MOFs) responsive colorimetric sensor for real-time monitoring of food quality
P45	Yang J	A Zeolitic Imidazolate Framework Phase with Broad Compatibility for Protein Encapsulation
P46	Zeller M	Mechanochemical Synthesis of Hydrogen-Bonded Organic Framework and Enzyme Biocomposites for Biocatalysis
P47	Zolotov A	Cellulose Nanofibers from Wood Pulp via Enzymatic Pretreatment and High-Pressure Homogenization