



Gian Piero Spada Award - NextGenCHEM

New Frontiers in Chemistry: Research by PhD Candidates

LIST of POSTER COMMUNICATIONS



1st EDITION

February 5, 2026
Aula Magna, Ue1





| Number | Surname | Name | Title |
|--------|-----------------|---------------|---|
| PO-01 | Autuori | Giuseppe | Electrochemical oxidative CF ₃ radical-induced lactonization and etherification of terminal and internal alkenes |
| PO-02 | Birhan | Tsegaye Adane | Zirconium fumarate metal organic frameworks for efficient phosphate removal from sludge wastewater |
| PO-03 | Bondi | Daniele | Energy transfer catalysts for fumarate to maleate isomerization: A computational investigation |
| PO-04 | Bussolari | Alessio | Aminoboranes as rationally tuned organic photosensitizers for energy transfer catalysis |
| PO-05 | Casagrande | Giulio | Silyl-substituted pyrrolidines: synthesis, application and conformational studies of new organocatalysts |
| PO-06 | Cerrato | Valerio | B/O doped MR-TADF photocatalysts for photoinduced electron and energy transfer reactions |
| PO-07 | Corapi | Chiara | Modelling ground and excited-state properties of mechano-luminochromic copper halide-based coordination polymers |
| PO-08 | Crucitti | Fabiana | Synchrotron based structural characterization of bionspired superhydrophobic coatings for sustainable agricultural applications |
| PO-09 | Di Cara | Giulia | Greener electrospun cleaning systems for cultural heritage conservation |
| PO-10 | Di Donato | Chiara | Bioconjugation of refactored m13 bacteriophage for anti-cancer targeted therapy |
| PO-11 | Fina | Federica | When less is more: Harnessing spin-forbidden recombination to optimize reaction yields in TADF photocatalysis |
| PO-12 | Garbini | Mauro | Oxabicyclo[3.1.1]Heptanes, a flow-flectrochemical approach |
| PO-13 | Germinario | Angelica | Time-Gated recycling of plastic with silicon quantum dots |
| PO-14 | Giagu | Gabriele | Development of an inkjet-printed graphene acid-based sensing platform for endometriosis biomarkers |
| PO-15 | Govender | Thenesia | Development of multimodal, light-activated NO-based conjugates for triple-negative breast cancer treatment |
| PO-16 | Govoni | Luca | Green adhesives from hydrolyzed polysaccharides |
| PO-17 | Huang | Yuhao | [Au(I)]-catalyzed enantioselective synthesis of cyclobutenes with an all-carbon quaternary stereocenter |
| PO-18 | Marino | Silvia | Functionalization of hydroxyapatite with metronidazole metal complexes for enhanced antimicrobial performance |
| PO-19 | Martinez Asenjo | Claudia | New set of correagents for enhanced electrochemiluminescence |
| PO-20 | Mastruzzi | Giacomo | Thiophenyl-Phthalonitrile derivatives TADF emitters: photophysical characterization |
| PO-21 | Mattioli | Chiara | Light-driven generation of allomelanin-like nanoparticles for innovative hair dyeing |





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| PO-22 | Monda | Giulia | Enantioselective construction of quaternary stereocenters via electrochemical Pd-catalyzed dearomatization of tropones |
| PO-23 | Pane | Agata | A simple method to distinguish light scattering from light absorption by nanoparticles |
| PO-24 | Patrian | Nicola | TBDCS: Advanced Coupling Reagents For Liquid Phase Peptide Synthesis (Lpps) |
| PO-25 | Pellegrini | Andrea | Ensemble analyzer: An open-source python framework for automated conformer ensemble refinement |
| PO-26 | Pozzi | Laura | From heat to light: developing novel thermochemiluminescent detection systems |
| PO-27 | Saraceno | Ilenia | Spectral imaging and machine learning for the rapid identification of microplastics from environmental samples |
| PO-28 | Savarese | Alessandra | Energetic and spectroscopic insights into the C ₃ H ₆ O ₂ isomer family for astrochemical purposes |
| PO-29 | Sensoli | Luca | N-aryl acridone derivatives as effective catalysts for challenging energy transfer reactions |
| PO-30 | Spirio | Laura | Lipidic autoxidation of ceramides in heterogeneous biomimetic systems |
| PO-31 | Stile | Roberta | Exploring new acidic triggers for the formation of low molecular weight gels |
| PO-32 | Vicenzi | Silvia | photothermal catalysis: turning OFF/ON fluorescent probe activation through gold nanoparticle surface modification |
| PO-33 | Zhang | Chenchen | Title interfacial nucleation processes with sei governed for zinc ion batteries |



