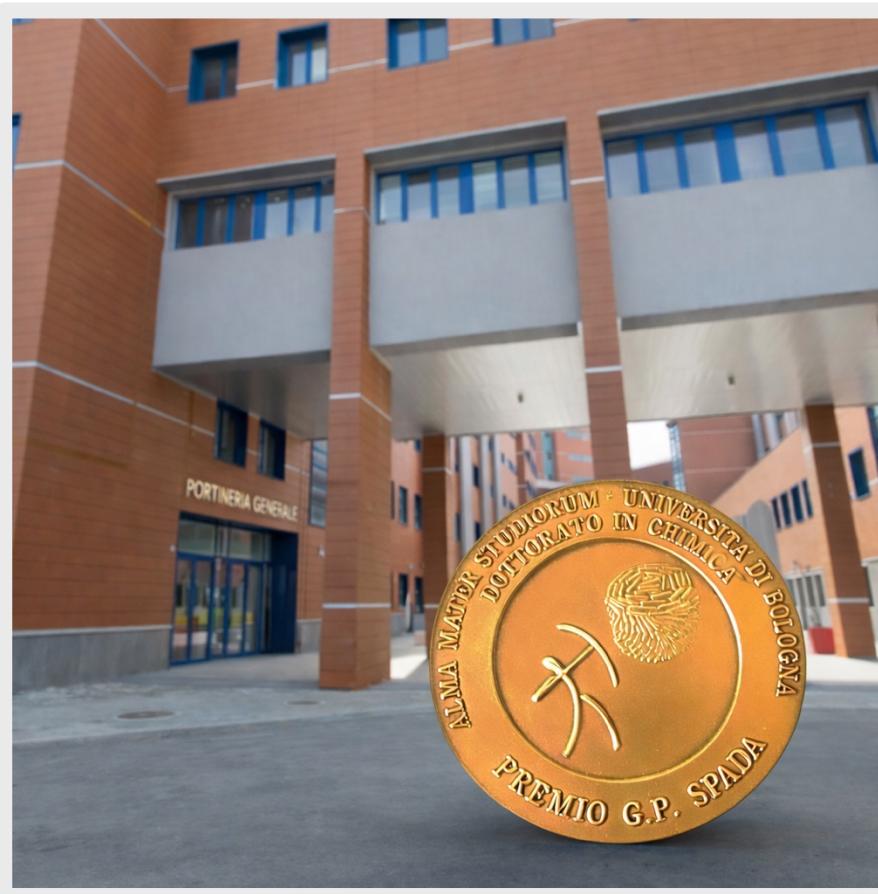




Gian Piero Spada Award - NextGenCHEM

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	Casagranda	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-electrochemical 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	$[\text{Au(I)}]$ -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





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 $C_3H_6O_2$ 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



