



PhD students enrolled in the XLI cycle

A.A. 2025-2026

CURRICULUM	NAME	PROJECT AND TUTOR/S	MAIN PLACE OF WORK
CATALISI ETEROGENEA: SINTESI, CARATTERIZZAZIONE E APPLICAZIONI	ACETO STEFANO	Synthesis, characterization and modeling of molecules and hybrid materials for CO2 valorization Prof. Silvia Bordiga (UNITO) Prof. Valentina Crocellà (UNITO)	UNITO
CATALISI ETEROGENEA: SINTESI, CARATTERIZZAZIONE E APPLICAZIONI	AMATO CLAUDIA	Catalysis with Earth-Abundant Metals in Nature-Inspired Deep Eutectic Solvents and Aqueous Media: Toward Sustainable Molecular Transformations Prof. Vito Capriati (UNIBA) Prof. Filippo Maria Perna (UNIBA)	UNIBA
CATALISI ETEROGENEA: SINTESI, CARATTERIZZAZIONE E APPLICAZIONI	AOUN NARIMENE	Development of catalytic and/or photocatalytic systems for the sustainable valorization of waste organic biomass Prof.ssa Elisa Isabel Garcia-Lopez (UNIPA) Prof. Giuseppe Marci (UNIPA)	UNIPA
MATERIALI INNOVATIVI FOTORESPONSIVI	ASCANI EDOARDO	Development of novel abinitio methodologies for extended systems coupled to quantum fields Prof. Enrico Ronca (UNIPG)	UNIPG
NUOVE TECNOLOGIE PER LA CATALISI	BORIOSI CESARE	Modeling materials and processes for energy harvesting. Prof. Filippo De Angelis (UNIPG) Prof. Giovanni Bistoni (UNIPG)	UNIPG
MATERIALI INNOVATIVI FOTORESPONSIVI	CASADEI TOBIA	Molecular design of organic semiconductors for photocatalytic applications Prof. Marcella Bonchio (UNIPD) Prof. Francesco Rigodanza (UNIPD)	UNIPD
NUOVE TECNOLOGIE PER LA CATALISI	FACELLI DANIELE	Enabling technologies for innovative processes of galvanic electrodeposition Prof. Maela Manzoli (UNITO)	UNITO

		Prof. Silvia Tabasso (UNITO)	
MATERIALI INNOVATIVI FOTORESPONSIVI	GABUTTI CHIARA	Organic Materials for Functional Packaging in Electronic devices Prof. Claudia Barolo (UNITO) Dr. Simone Galliano (UNITO)	UNITO
NUOVE TECNOLOGIE PER LA CATALISI	GIANSANTI SIMONE	Photocatalytic processes for energy conversion Prof. Loredana Latterini (UNIPG)	UNIPG
CATALISI OMOGENEA: MECCANISMI E APPLICAZIONI	MADEO LUCA	Development of new synthetic approaches inspired by the atom economy Prof. Giuseppe Zanoni, (UNIPV) Dr. Emanuele Casali (UNIPV)	UNIPV
NUOVE TECNOLOGIE PER LA CATALISI	MARINELLI MATTIA	Valorisation of biomass derived phenols via heterogeneous catalytic methods in flow. Prof. Luigi Vaccaro (UNIPG)	UNIPG
MATERIALI INNOVATIVI FOTORESPONSIVI	MASTROLEMBO BARNÀ FEDERICA	Photo- and redox-active systems for the elaboration of light information Prof.ssa Maria Teresa Sciortino (UNIME) Prof. Francesco Nastasi (UNIME) Prof.ssa Rosamaria Pennesi (UNIME)	UNIME
MATERIALI INNOVATIVI FOTORESPONSIVI	MASTROVITO PAOLA	Catalysis and Photocatalysis for Circular Carbon Economy Prof. Angela Dibenedetto (UNIBA) Prof. Michele Aresta (CIRC Srl)	CIRC Srl, Tecnopolis UNIBA
CATALISI ETEROGENEA: SINTESI CARATTERIZZAZIONE E APPLICAZIONI	MEARELLI MARCO	Design of novel waste-derived catalytic systems from energy applications Prof. Luigi Vaccaro (UNIPG)	UNIPG
CATALISI OMOGENEA: MECCANISMI E APPLICAZIONI	MERLO GABRIELE	Valorization of e-waste in the biomedical field Prof. Giuseppe Zanoni, (UNIPV) Dr. Emanuele Casali (UNIPV)	UNIPV
CATALISI ETEROGENEA: SINTESI, CARATTERIZZAZIONE E APPLICAZIONI	MURARO CECILIA	Design and Simulation of Tailor-Made Catalysts for Energy-Efficient Industrial Processes Prof. Tommaso Tabanelli (UNIBO)	SENTIERO INTERNATIONAL CAMPUS SRL

		Dr. Silvia Tiberi Vipraio e Dr. Nicola Pozzan (SENTIERO INTERNATIONAL CAMPUS SRL)	
CATALISI OMOGENEA: MECCANISMI ED APPLICAZIONI	NATALONI ALESSANDRO	Development of catalytic systems for the production of green hydrogen and high added value products from waste biomass Prof. Alceo Macchioni (UNIPG) Dr. Elisa Boccalon (UNIPG) Prof. Francesco Ruffo (UNINA)	UNIPG
CATALISI ETEROGENEA: SINTESI, CARATTERIZZAZIONE E APPLICAZIONI	PASSAGRILLI VALERIO	Sustainable applications of Pd/C catalysis for the selective isomerization of bioactive steroids: from lab to industrial scale Prof. Luigi Vaccaro (UNIPG) Dr. Antonella Marcucci (STERLING SPA)	STERLING SPA
ENERGIE RINNOVABILI	PIFFANELLI LETIZIA	Photocatalytic strategies and functional materials for the valorization of waste, biomass and CO2 use Prof. Stefano Caramori (UNIFE) Prof. Alessandro Massi (UNIFE)	UNIFE
CATALISI ETEROGENEA: SINTESI, CARATTERIZZAZIONE E APPLICAZIONI	PITTAVERO MICHELA	Development of Catalysts and MIP Supports for the Removal of PFAS from Drinking and Wastewater Prof. Giancarlo Cravotto (UNITO) Dr. Carlo Roggero (SEA MARCONI)	SEA MARCONI
CATALISI OMOGENEA: MECCANISMI E APPLICAZIONI	RINI EDOARDO	Upcycling degli elementi componenti magneti da ewaste. Upcycling of the components of magnets from e-waste. Prof. Giuseppe Zanoni, (UNIPV) Dr. Emanuele Casali (UNIPV)	UNIPV
BIOCATALISI	SUNDSTROM MARTA	Computational and Experimental Enzyme Engineering for New Polymers COMENZE (ITN) Prof. Andrea Mattevi (UNIPV) Prof. Silvia Osuna (GIRONA, SPAIN)	UNIPV
CATALISI ETEROGENEA: SINTESI CARATTERIZZAZIONE E APPLICAZIONI	TIRITIELLO LUCA	Sustainable catalytic and technology approaches for the production of valuable fine chemicals and their assessment. Prof. Luigi Vaccaro (UNIPG)	UNIPG
MATERIALI INNOVATIVI FOTORESPONSIVI	TROTTI VIRGINIA	Development of new photoluminescence materials Prof. Benedetta Carlotti (UNIPG)	UNIPG