

PROGRAMMA SCIENTIFICO workshop AICIng 2022

Giovedì 16 giugno - Aula Mario Giordano

8:30-9:00	Registrazione
9:00-9:20	Saluti di benvenuto: - Magnifico Rettore - Presidente AICIng
Sessione 1: Prof. Piero Mastrorilli (Politecnico di Bari)	
9:20-9:35	O1-Elena Cazzaniga (Politecnico di Torino): Determination of lipid content in hazelnuts using NIR spectroscopy.
9:35-9:50	O2-Nico Zamperlin (Università di Trento): Barium Titanate functionalization with Organosilanes: enhancing particle-matrix compatibility in nanocomposites.
9:50-10:05	O3-Martina Lippi (Politecnico di Milano): Nanocellulose-based aerogel as urea-controlled release systems.
10:05-10:20	O4-Massimo Zambito Marsala (Politecnico di Milano): Bionanocomposites based on a covalent network of chitosan and edge functionalized graphene layers.
10:20-10:35	O5-Roberto Martini (Università di Roma Tor Vergata): Solvent-induced Aggregation of Prolinated Porphyrin Derivatives: Comparison between Solution Behavior and Solid-State Morphology
10:35-10:50	O6-Mattia Sozzi (Politecnico di Torino): ¹ H NMR Spectroscopy as a tool for monitoring and optimizing lentil flour extraction and enzymatic hydrolyzation processes.
10:50-11:20	<i>Coffee Break</i>
Sessione 2: Prof. Salvatore Failla (Università di Catania)	
11:20-11:35	O7-Giulia Calabrese (Università di Messina): Perovskite oxides for hydrogen storage.
11:35-11:50	O8-Martina Bortolami (Università di Roma La Sapienza): Anodic generation of BF ₃ from imidazolium ionic liquids: a safe and effective alternative to commercial etherate form.
11:50-12:05	O9-Ivan Pietro Oliveri (Università di Catania): Tunable transmetalation properties of a new Lewis acidic Zn(II) Schiff-base complex
12:05-12:20	O10-Manfredi Caruso (Politecnico di Milano): One (benzene) ring to rule them all: overcoming solubility and reactivity issues of N-hydroxyphthalimide in the oxidation of hydrocarbons.

12:20-12:35	O11-Fatima Margani (Politecnico di Milano): A green approach to the edge functionalization of graphene layers with a bio-based 2-pyrone.
12:35-12:50	O12-Claudio Gioia (Università di Bologna): Synergic cooperation for the synthesis and advanced modelling/characterization of novel functional bio-polymeric architectures.
12:50-13:05	O13-Cristina Minnelli (Università Politecnica delle Marche): Layered double hydroxide as versatile and sustainable platform for biomedical applications.
13:05-14:30	<i>Pranzo</i>
Sessione 3: Prof.ssa Michelina Catauro (Università degli Studi della Campania)	
14:30-14:45	O14-Viviana Bressi (Università degli Studi di Messina): Rilevamento elettroanalitico di ioni metallici pesanti in acqua di mare mediante sensori TPYP-SPEEK/SPCE.
14:45-15:00	O15-Fabrizio Caroleo (Università di Roma Tor Vergata): Colour Catcher® : low-cost colorimetric sensor and laundry. Kill two birds with one stone.
15:00-15:15	O16-Simona Crispi (Università degli Studi di Messina): Gas sensing modulation of CNTs and m-TiO ₂ nanomaterials by atomic layer deposition (ALD).
15:15-15:30	O17-Alberto Taffelli (Università di Trento): Large area photodetectors based on sol-gel-derived MoS ₂ films.
15:30-15:45	O18-Francesco Moriggi (Politecnico di Milano): Chemical functionalization of graphene surface as filler for rubber compounds: modeling of supramolecular interactions.
15:45-16:15	<i>Coffee Break</i>
Sessione 4: Prof. Roberto Paollesse (Università di Roma Tor Vergata)	
16:15-17:00	Conferenza Plenaria-Prof. Luca Prodi (Università di Bologna): Luminescence-based systems for analytes of biomedical and environmental interest.
17:00-17:15	O19-Daniele Veclani (Università di Udine): Thermodynamic of Adsorption of Diclofenac on graphene by molecular dynamics simulations.
17:15-17:30	O20-Elaheh Mohebbi (Università Politecnica delle Marche): VO ₂ (B) Nanostructures as Promising Cathode Materials for rechargeable Li-ion Battery.
17:30-17:45	Dott.ssa Maria Grazia Garavaglia (Perkin Elmer)
17:45-19:00	Sessione Poster
20:30	Cena Sociale - Bar Caffè Giuliani - Corso Giuseppe Garibaldi, 3

Venerdì 17 giugno (Sessione Parallela A) - Aula Mario Giordano

Sessione 4A: Prof.ssa Isabella Chiarotto (Università di Roma La Sapienza)	
8:30-8:45	O21-Simone Naddeo (Politecnico di Milano): Two steps one pot process for the conversion of dimethylfuran to pyrrole compounds with almost null E factor.
8:45-9.00	O22-Anna Paola Panunzi (Università di Roma Tor Vergata): Enhancing electrocatalytic activity of $\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_3$ by Pt-doping for IT-SOFC cathodic applications.
9:00-9:15	O23-Beatrice Ricciardi (Università di Roma Tor Vergata): 3D Spherical Fe-N-C Oxygen Reduction Electrocatalysts for Energy Conversion.
9:15-9:30	O24-Francesco Lanero (Università di Padova): Functionalized copolypyrrole-polyketone anion exchange membrane.
9:30-9:45	O25-Emanuele Previti (Università di Messina): New Calcium Lactate-SPEEK composite Coatings for Thermal Energy Storage Applications.
9:45-10:00	O26-Gloria Nicastro (Politecnico di Milano): Co-Polymeric Nanosponges from Cellulose Biomass as Heterogeneous Catalysts for Organic Reactions.
10:00-10:15	O27-Laura Riva (Politecnico di Milano): Cellulose Nanofibers as Additives for Sustainable Buildings: LCA and Analysis on Raw Earths.
10:15-10:30	O28-Rida Jbr (Università Politecnica delle Marche): Chemical separation: a step towards a full recycling and recovery of Cotton and PET fibers from blended textile.
10:30-11:00	<i>Coffee Break</i>
Sessione 5A: Prof.ssa Giuseppina Raffaini (Politecnico di Milano)	
11:00-11:15	O29-Giovanni Dal Poggetto (Università di Modena e Reggio Emilia): Effect of acid attack on geopolymers based on recycled corundum.
11:15-11:30	O30-Edoardo Bondi (Università di Bologna): Comparison between films and scaffolds of cyclohexane-based random copolyesters for vascular repair.
11:30-11:45	O31-Edoardo Testa (Politecnico di Milano): Innovative bioplastics from polypeptides of <i>Hermetia illucens</i> .
11:45-12:00	O32-Elena Battaglini (Università di Bologna): Sealing properties of fully bio-based poly(butylene 2,5-furanoate).

Venerdì 17 giugno (Sessione Parallela B) - Aula A 7/8

Sessione 4B: Prof.ssa Simona Sabbatini (Università Politecnica delle Marche)	
8:30-8:45	O33-Enrico Bianchi (Università di Bologna): Isomerism, glycol chain length and copolymerization as tools to achieve outstanding furan-based sustainable food packaging

8:45-9.00	O34-Nicola Cavallini (Politecnico di Torino): Chemometric differentiation of sole and plaice fish fillets using three near-infrared instruments.
9:00-9:15	O35-Arianna Rossetti (Politecnico di Milano): TEMPO-oxidized cellulose nanofibers/polyvalent cations hydrogels: A multifaceted view of network interactions and inner structure.
9:15-9:30	O36-Laura Fazi (Università di Roma Tor Vergata): Towards an understanding of the connection between micro e macro behaviour of CNT/polymer composites: a 3D Raman imaging approach.
9:30-9:45	O37-Serena De Santis (Università di Roma tre): FTIR spectral fingerprints in Colorectal Cancer derived Tissues and Cancer Associated Fibroblasts.
9:45-10:00	O38-Enrico Lemma (Università Campus Bio-medico Roma): Selective positioning of different cell types on 3D scaffolds via DNA hybridization.
10:00-10:15	O39-Emanuela Muscolino (Università degli studi di Palermo): Recombinant mussel protein Pvfp5b enhances cell adhesion of poly(vinyl alcohol)/k-carrageenan hydrogel scaffolds.
10:15-10:30	O40-Fabiana Pandolfi (Università di Roma La Sapienza): New deferiprone derivatives as antibiofilm and antimicrobial agents: design, synthesis and biological evaluation.
10:30-11:00	<i>Coffee Break</i>
Sessione 5B: Prof.ssa Paola Astolfi (Università Politecnica delle Marche)	
11:00-11:15	O41-Marco Parlapiano (Università Politecnica delle Marche): Molecularly Imprinted Polymers for the CECs selective removal as tertiary treatment in Municipal Wastewater Treatment Plant.
11:15-11:30	O42-Alessia Foglia (Università Politecnica delle Marche): Assessment of alternative value chains for Polyhydroxyalkanoate recovery from municipal wastewater treatment plant.
11:30-11:45	O43-Aurelio Bifulco (Università di Napoli): PVP-based composites containing sol-gel nanosized SiO ₂ and hybrid TiO ₂ microparticles for water purification.
11:45-12:00	O44-Grazia Maria Cappucci (Università di Modena e Reggio Emilia): Assessment of impacts caused by local scale emissions introduced in USEtox model.

SESSIONE CONGIUNTA - Aula Mario Giordano

12:05-12:30	Premiazioni e chiusura lavori
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