

**LAUREE MAGISTRALI IN INGEGNERIA CHIMICA
E DEI PROCESSI INDUSTRIALI**

LAUREE MAGISTRALI IN CHEMICAL AND PROCESS ENGINEERING

Aula Magna di Ingegneria - Via L. Loredan, 20 – Padova - 12 aprile 2024, ore 9.00

Laureandi in Ingegneria Chimica e dei Processi Industriali

N.	Laureando	Relatore	Titolo tesi	Ora
1	CRISTINI MARCO	Federico D'AMORE	Optimisation of a multi-modal Carbon Capture and Storage network for Mediterranean CO ₂ emission points	9.00
2	DE MARCHI MARTINA	Elisa CIMETTA	Design and validation of a microfluidics based blood brain barrier (BBB)-on-chip for in vitro Glioblastoma cancer treatment	
3	FEDRIGO PIETRO	Fabrizio BEZZO	Bioprocessing of genetically engineered microalga Nannochloropsis gaditana for lipid production: upstream and downstream operations	
4	FURFARO MARIA CONCETTA	Carlo BOARETTI	Influence of different photoinitiators on the polymerization of acrylate monomers and their suitability in adhesive tapes	
<i>Proclamazione</i>				10.00
5	GINI ALESSANDRO	Martina ROSO	Adsorption and photocatalytic degradation of per- and polyfluoroalkyl substances (PFAS) in water by nanostructured membranes	10.10
6	MENEGAT DAVIDE	Paolo CANU	Synthesis and characterization of novel Ru-based catalysts for NH ₃ synthesis intensification	
7	MORAS ENRICO	Sara SPILIMBERGO	Study and optimization of the distillation process at Aquavite SpA	
8	RICHARDSON DE PIOVESAN MARIA	Alessandro MANZARDO	Life Cycle Assessment of new technologies for the production of hydrogen as energy for transport	
<i>Proclamazione</i>				11.10

Laureandi in Chemical and Process Engineering

N.	Laureando	Relatore	Titolo tesi	Ora
1	CARNIO GIULIO	Fabrizio BEZZO	From conventional to surrogate-based flexibility assessment: application to a bio-methanol process under uncertainty	11.20
2	DAL PONT FRANCESCO	Fabrizio BEZZO	Recycling of critical materials for the renewable energy sectors: technology analysis and supply chain modelling	
3	GRENDENE PIETRO	Eleonora SFORZA	Dynamic DOE to optimize the high value compounds in <i>Coccomyxa onubensis</i> in a novel high cell density cultivation system	
4	PIANTARI MATTEO	Paolo CANU	Reactors for two steps catalytic direct biogas methanation: coupling energy efficiency and productivity	
5	TONINI MATTEO	Elena BARBERA	CO ₂ capture from CHP plants with hot potassium carbonate: pilot plant experimental investigation and process simulation	
6	TRIVISONNE FRANCESCA	Paolo CANU	Modelling liquid-solid catalytic reactions with gas production - decomposition of H ₂ O ₂	
<i>Proclamazioni</i>				12.50

Sarà consentito l'accesso in aula di max. 20 ospiti per laureando.

Commissione: Prof. Paolo CANU (Presidente)
Prof. Fabrizio BEZZO (fino alle 11.20), Ing. Carlo BOARETTI (dalle 9.00 alle 10.10 e dalle 11.45), Prof. Elisa CIMETTA (fino alle 11.00), Ing. Federico D'AMORE (dalle 11.20), Prof. Martina ROSO, Prof. Eleonora SFORZA (dalle 11.00), Prof. Sara SPILIMBERGO (dalle 10.10 alle 11.45)

Altri relatori: Ing. Elena BARBERA, Ing. Alessandro MANZARDO

Si avvisa la Commissione che la riunione preparatoria si terrà lo stesso giorno alle ore 8.30 nella saletta riunioni retrostante l'Aula Magna.