

# Valeria Ianzito

**Master's Degree in  
Chemical Engineering**

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Valeria Ianzito

valeria.2112@live.it

Recent graduate cum laude in Chemical Engineering, specializing in process engineering.

By participating in the "BIOFEEDSTOCK" project I have developed a mathematical model of the biomass pyrolysis process through the kinetic and reactor study.

The training experience in the laboratory of the chemical, materials engineering and industrial production department allowed me to participate personally in the experimental procedure conducted on the fluidized bed reactor.

During my university career I have acquired transversal skills that have allowed me to grow professionally and personally and to assume leadership and organizational responsibility in university projects.

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## Hard Skills

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Office Suite / Advanced

MATLAB / Intermediate

COMSOL Multiphysics / Intermediate

C++ / Foundation

English / Level B2

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## Soft Skills

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Participation in various group projects has allowed me to develop excellent problem solving, collaboration, listening, mediation, leadership and bargaining skills. During the university course I also acquired coordination skills, identification of priorities and objectives and management of working time.

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## Education

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### **Master's Degree in Chemical Engineering / Università degli Studi di NAPOLI Federico II**

September 2018 - October 2021

With honor

Main subjects: Chemical Reactors, Chemical Plants, Industrial Chemistry, Numerical Simulation of Transport Phenomena, Mechanics of Complex Fluids

Degree Thesis "Modeling-Experimental Study on Biomass Pyrolysis in Fluidized Bed Reactor".

The thesis is included within the project "BIOFEEDSTOCK, Development of Integrated Technological Platforms for the Enhancement of Residual Biomass" established by the University of NAPLES Federico II in collaboration with other public and private entities, including ENI S.p.A., Syndial S.p.A., Hydrolab S.r.l..

As part of the biomass pyrolysis process aimed at maximizing the bio-oil yield, the purpose of my work was to develop a mathematical model to expand the understanding of pyrolysis through a kinetic and reactoristic study carried out through MATLAB calculation software.

### **Bachelor's Degree in Chemical Engineering / Università degli Studi di NAPOLI Federico II**

September 2014 - July 2018

With a final grade of 105/110

Main subjects: Thermodynamics and Transport Phenomena

Dissertation "Operation Principles of Pressure Swing Adsorption Equipment"

### **High School Diploma: Scientific High School / Liceo Scientifico E. Medi**

September 2008 - July 2013

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## Certification

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### **First Certificate in English. Level B2 / University of Cambridge**

July 2021

### **Specific Training on workplace safety for workers particularly exposed to risk / Università degli Studi di NAPOLI Federico II**

February 2021

### **Basic Training on Health and Safety in the Workplace / Federica Web Learning - Università degli Studi di Napoli Federico II**

December 2020

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**Extra Information**

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**Category B Driver's Licence**

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.