

"Ai fini della pubblicazione in ottemperanza all'art. 15, comma 1, del Decreto legislativo 14 marzo 2013, n. 33."

Personal Information

Valentina Segneri

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Education

Present	PhD in Chemical Processes for Industry and the Environment at Sapienza University of Rome, in collaboration with the NextChem company of the Maire Tecnimont group. Research topic: Simulation and advanced control of innovative waste-to-chemicals plants in the circular economy: Gasification of Refuse Derived Fuel The main research activities are focused on dynamic modelling and simulation of chemical processes for the valorisation and treatment of solid waste and decarbonisation processes: reactor modelling and design, technical-economic and environmental analysis.
January 2022	
September 2022	State exams for professional certification for Industrial Engineer
October 2021	Master of Science in Chemical Engineering, Sapienza University of Rome Italy-Grade : 110/110 with honors Research topic: "Waste to Chemicals: Technical-Economic Analysis of an HTL process" The aim of the thesis work was the development in the Aspen Plus environment of a flowsheet of the conversion process of the organic fraction of municipal solid waste (OFMSW) into marketable biofuel through a hydrothermal liquefaction process and subsequent upgrading, and the evaluation of the feasibility of the system through environmental, energy and economic analysis.
October 2018	
July 2018	Bachelor of Science in Chemical Engineering, Sapienza University of Rome Italy-Grade : 101/110 Research topic: "Efficiency of catalysts: Analysis of the effects of diffusional limitations in porous catalysts" The aim of the thesis was based on the construction of a model on MatLab for the analysis of the effects of diffusional limitations in a spherical porous catalyst and of particular shapes.
October 2014	

Professional Experiences

January 2020	Student Collaborator Collaboration activity carried out at the presidency of the faculty of Civil and Industrial Engineering, Sapienza University of Rome
January 2018	Part time job with scholarship while attending university full-time

Seminars and trainings/certificates:

October 2022	Certificate of participation Winter School: Process Decarbonization and Energy Transition, AIDIC & GRICU
May 2021	Certificate of participation MasterClass SAP for data management, BeGear
April 2021	Certificate of participation MasterClass Excellent in Excel, Tutored
November 2020	Certificate of participation Webinar: "L'idrogeno nella transizione verso un'economia decarbonizzata: tecnologie di produzione nella transizione energetica" SPE Italia

Skills

Hard and Technical Skills	Knowledge in design and control of process units, such as batch or continuous reactors, pumps, compressors, distillation or absorption column, heat exchanger, etc. Expertise in process development and optimization, predictive process control and evaluation of processes from a technical economic point of view. Basic skills to work in laboratory for experimental activities, acquired during technical-chemistry high school.
Computer Skills	Simulation and modelling software: MatLab (upper intermediate), COMSOL Multiphysics (intermediate), PROII (intermediate), Aspen Plus & Hysys (upper intermediate). Generic software: LateX (intermediate), Microsoft Office Suite (Word, Excel, PPT) (upper intermediate)
Language Skills	Italian (Native) and English (C1)
Soft and Personal Skills	Active and passionate researcher with good Team-working Skills gained thanks to academic group projects: Adaptability, Flexibility and Active listening , with Organization and planning skills and who employs great passion and commitment in the work he carries out.

(Segneri Valentina)

03/02/2023

Autorizzo il trattamento dei miei dati personali ai sensi del D.Lgs 196 del 30 giugno 2003 e dell'art. 13 del Regolamento UE n. 676/2016 del 27.04.2016 "Regolamento generale sulla protezione dati" e del D.Lgs. n. 196/2003 "Codice in materia di protezione dei dati personali", come modificato dal D.Lgs. n. 101 del 10.08.2018, recante disposizioni per l'adeguamento dell'ordinamento nazionale al Regolamento europeo ai fini della ricerca e selezione del personale.