europass	Curriculum vitae			Seyedmoh	ammad Mousavi	
PERSONAL INFORMATION	Seyedmohammad Mousavi					
STUDIES APPLIED FOR	PhD student since 2022 at Sapienza university of Rome					
WORK EXPERIENCE						
2023–2024	Researcher ass CONSER spa, R					
EDUCATION AND TRAINING						
Jan 2022 – Present	PhD in Chemical Engineering Sapienza University of Rome Thesis: Hydrothermal Liquefaction of lignocellulosic biomass using waste red mud as catalyst					
Mar 2024 –Oct 2014	Visiting PhD in Chemical Engineering Aalborg university Research: Upgrading and hydrotreating of Fe-Assisted HTL biocrude to biofuel using synthesis sulfided NiMo catalyst					
Sep 2012–Oct 2019	Bachelor and Master of Science: Chemical engineering Ferdowsi University of Mashhad, Iran					
	Master Thesis: Simulation and optimization of operating parameters for refinery plant using Aspen Plus and MATLAB					
PERSONAL SKILLS						
Mother tongue	Persian					
Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING	
	Listening	Reading	Spoken interaction S	Spoken production		
English	C1	C1	C1 C1	C1	C1	
Italian	B1	B1	A2	A2	A2	
	A2					
	Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages - Self-assessment grid					
		Tamework of Refere	noe ioi Languages - O	on-assessment yilu		



Curriculum vitae

Communication skills Organisational / managerial skills	-Experienced a -Excellent verb external stake -Multitasking ar -Handle respor	t giving presentatior al and written comn holders. nd Team leadership	us types of research ns to large audiences nunication skills both y to work under pres rting, and research	s. n in an office enviro		
Job-related skills	Work as Researcher assistant in CONSER spa, Rome, Italy					
Digital skills	SELF-ASSESSMENT					
	Information processing	Communication	Content creation	Safety	Problem- solving	
	Proficient user	Proficient user	Independent user	Independent user	Proficient user	
	Digital skills - Self-ass MATLAB/Simulink Microsoft Office (Outl ASPEN PLUS	sessment grid look, Excel, Word, Powe	erPoint)/			
ADDITIONAL INFORMATION						
Research Interests	Simulation and TE Renewable Ener	•••				
	Biomass pre-treat	tment				
Published Paper in Journals	[2024]					
	Techno-economic assessment of gasoline production from Fe-assisted lignocellulosic biomass hydrothermal liquefaction process with minimized waste stream, Energy Conversion and Management, Vol. 320, Nov. 2024					
	[2024]					
	Red mud as hydrogen producer in hydrothermal liquefaction of pinewood: minimization of process wastes by recycling the water and hydrochar phases, Renewable energy, Vol.232, Oct. 2024					
	[2023]					
	Catalytic hydrothermal liquefaction of Brachychiton populneus biomass for the production of high-value biocrude, MDPI, Processes, 2023 [2023]					
	Simulation on hydrothermal liquefaction of Pinewood to produce bio-crude in a zero-waste process scheme, CET, 2023					



Curriculum vitae

Oral Presentations in International conference	[20/08/2024 – 23/08/2024] Sendai, Japan 10th International Conference on Engineering for Waste and Biomass Valorisation [21/05/2023 – 24/05/2023] Naples, Italy 16th International Conference on CHEMICALAND PROCESS ENGINEERING
SCHOOLAND WORKSHOPS	-Hydrogen Summer School held by ENEA, Rome, Italy. 2022 -Hydrothermal Liquefaction summer school held by Aalborg University, Denmark, 2024 -Bioenergy PhD School held by AIDIC & ENEA, Nova Siri, Italy, 2024
Extracurricular activities	-Sport: Swimming, Soccer, Volleyball, Padel -Music -Movie
References	 Name: Paolo de Filippis Full Professor Department of Chemical, Material and Envorimenatal Engineering, Sapienza University of Rome Name: Benedetta De Caprariis Associate Professor Department of Chemical, Material and Envorimenatal Engineering, Sapienza University of Rome Name: Daniele Castello Associate Professor Department of Energy, Aalborg University, Denmark Name: Roya Hamidi Post doc Department of Chemical, Material and Envorimenatal Engineering, Sapienza University of Rome Name: Martina Damizia Assistant Professor Department of Chemical, Material and Envorimenatal Engineering, Sapienza University of Rome