

PERSONAL INFORMATION

Francesco Veglio'

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 [Corsi di Studio di Ingegneria \(univaq.it\)](#)

ORCID Number: **0000-0002-7252-2727**

 Skipe:

Sex | Date of birth | Nationality

ACTUAL JOB POSITION

Full Professor in Chemical Engineering at University of L'Aquila – Department of Industrial and Information Engineering and Economics

WORK EXPERIENCE

from 2003- 2023

Full Professor in Chemical Engineering at L'Aquila University

p.le Pontieri 1, Monteluco di Roio, L'Aquila 67100, Italy

▪ Teaching and Research activities

[Business or sector](#) Industrial Wastes and Wastewaters Treatment and statistical analysis (DOE)

[Corsi di Studio di Ingegneria \(univaq.it\)](#) (LINK)

from 1999- 2003

Associate Professor in Chemical Engineering at Genoa University

Dipartimento di Ingegneria Chimica e di Processo G.B. Bonino, Genoa, Italy

▪ Teaching and Research activities

[Business or sector](#) Industrial Wastes and Wastewaters Treatment

from 1992- 1999

Assistant Professor in Chemical Engineering at L'Aquila University

p.le Pontieri 1, Monteluco di Roio, L'Aquila 67100, Italy

▪ Teaching and Research activities

[Business or sector](#) Industrial Wastes and Wastewaters Treatment

EDUCATION AND TRAINING

(1982 - 1987)

Master in Chemical Engineering (110/100 and laude)

University of L'Aquila – p.le Pontieri 1, Monteluco di Roio, L'Aquila

University of L'Aquila, p.le Pontieri 1, Monteluco di Roio, L'Aquila 67100, Italy

▪ Chemical engineering skills

European Qualification Framework (Level 7)

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	B2	C1	C2	C2	Enter level
Replace with name of language certificate. Enter level if known.					
French	B1	B1	B1	B1	Enter level
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my experience as full professor in teaching and research activities at national and international level;
- good communication skills in the ambit of the evaluation of international projects (FP7, Horizon 2020, Horizon Europe, Kazakhstan and Finish projects);
- Management of spin-off companies

Organisational / managerial skills

- Management of EU projects (HydroWEEE, HydroWEEE demo, FENIX, PASSENGER, PEACOC, TREASURE, NEW-RE, LIFE INSPIREE, LIFE GRAPHIREC)
- R&D leadership (currently responsible for a team of 15 people)
- Founder and Project Manager of two spin-off companies (Smart Waste Engineering srl and Biomaterials & Engineering srl)

Job-related skills

- Good command of project management activities
- Exploitation of research's results and IPR
- Subscription to Ordine degli Ingegneri della Provincia dell'Aquila

Computer skills

- good command of Microsoft Office™ tools
- good command for some process engineering tools (i.e. Super PRO Designer)

Other skills

- Process Engineering and mathematical modelling
- Statistics and Design of Experiments
- Business Model Identification
- BP development
- Technical and Economic Feasibility studies
- LCA and LCC
- Pilot and Industrial plants design
- Subscription to "Ordine degli Ingegneri dell'Aquila"

Driving licence

- Replace with driving licence category
- B

ADDITIONAL INFORMATION

Publications

Source Scopus (29/10/2023): N° of Publication International Journals: **242**; Hindex (1999-2023) **54**; Citations: **10445**. He is in the 2% top researcher of the Stanford ranking ([October 2023 data-update for "Updated science-wide author databases of standardized citation indicators" - Elsevier BV \(digitalcommonsdata.com\)](#))

Topics:

- Recovery of precious and base metals from WEEE, spent batteries and Industrial wastes
- Recovery of Rare Earths from WEEE and industrial wastes
- Industrial Waste Waters Treatment
- Environmental technologies (bioprocesses, biosorption and membrane technologies)
- Mineral Processing

- Projects**
- International Projects:
 - **HydroWEEE and HydroWEEE demo** ([Final Report Summary - HYDROWEEE DEMO \(Innovative Hydrometallurgical Processes to recover Metals from WEEE including lamps and batteries - Demonstration\) | FP7 | CORDIS | European Commission \(europa.eu\)](#))
 - **FENIX** ([Project FENIX - Future business models for the Efficient recovery of Natural and Industrial secondary resources in eXtended supply chains contexts \(fenix-project.eu\)](#))
 - **LIFE BITMAPS** ([Life Bitmaps Project](#))
 - **PEACOC** ([PEACOC Project \(peacoc-h2020.eu\)](#))
 - **TREASURE** ([Home - Treasure \(treasureproject.eu\)](#))
 - **PASSENGER** ([PASSENGER - ESF - Science Connect](#))
 - **NEW-RE** (Recycling of REE from spent magnets, EIT Raw Material Project) [Project New-RE - Erion](#)
 - **LIFE INSPIREE** (in progress)
 - **LIFE GRAPHIREC** (in progress)
 - National Projects:
 - **PRIN 2022** “ Recycling of ferromagnets WEEE containing rare earths: transforming unproductive waste to high added value catalysts”
 - **PROGETTO MASE** - Bando per il cofinanziamento di progetti di ricerca finalizzati allo sviluppo di nuove tecnologie per il recupero, il riciclaggio ed il trattamento dei rifiuti di apparecchiature elettriche ed elettroniche (RAEE) - Edizione 2021.
- Patents**
- 14 National and EU patents. In the follow the most relevant patents:
- Gold-REC1 - PROCESS FOR THE HYDROMETALLURGICAL TREATMENT OF ELECTRONIC BOARDS ([Espacenet – search results](#))
 - Gold-REC2 - HYDROMETALLURGICAL METHOD FOR THE RECOVERY OF BASE METALS AND PRECIOUS METALS FROM A WASTE MATERIAL ([Espacenet – search results](#))
 - Hydro-Nd - HYDROMETALLURGICAL METHOD FOR THE TREATMENT OF PERMANENT MAGNETS ([Espacenet – search results](#))
 - PROCESS AND PLANT FOR THE TREATMENT OF A WASTEWATER CONTAINING TMAH ([Espacenet – search results](#))
- Books**
- Waste Electrical and Electronic Equipment Recycling: Aqueous Recovery Methods, Woodhead Publishing (Elsevier) 2018 - [Waste Electrical and Electronic Equipment Recycling: Aqueous Recovery Methods - Google Libri](#)
- Spin-off companies**
- Founder of 3 spin-off companies:
- Smart Waste Engineering srl (University of L'Aquila, Italy) – period 2016-2023
 - Biomaterials & Engineering srl (Univeristy of L'Aquila, Italy) – period 2008-2023
 - Ecorecycling srl (University La Sapienza, Rome, Italy) - period 2008-2017
- Reviewing activities**
- European projects (FP7, Horizon 2020, Horizon Europe) as evaluator, observer and monitor
 - World Bank – IFC
 - Academy of Finland
 - Latvia Research Institution (Central Finance and Contracting Agency)
 - National Center of Science and Technology Evaluation – Kazakhstan
- International cooperation**
- Recovery of Sb from stibnite (Tajikistan)
 - Birjand University (IRAN)
 - Industrial waste water treatment training (Department of Chemical Engineering National Institute of Technology, Durgapur (INDIA))

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016 (and Dlgs 196/2003), I hereby express my consent to process and use my data provided in this CV.

“Il presente curriculum e’ reso ai sensi degli articoli 38 e 47 del D.P.R. 445/2000 con piena consapevolezza delle sanzioni penali previste dell’articolo 76 del medesimo D.P.R., per le ipotesi di falsità in atti e dichiarazioni mendaci eventualmente indicate”

L'Aquila 04/05/2024

Prof. Francesco Veglio’