



Francisco Javier Flores Gajardo

Date of birth: 25 Jul 1990 | **Place of birth:** Santiago, Chile | **Nationality:** Chilean | **Gender:** Male | **Phone number:**

(+385) 916371047 (Mobile) | **Email address:** fcoflores.gajardo@gmail.com |

Address: Ulica Petra Preradovića 34, 10000, Zagreb, Croatia (Home)

ABOUT ME

Researcher specializing in energy planning, 100% renewable energy systems, and integrated assessment models. Experienced in optimization, energy-water-food nexus analysis, and regional energy cooperation. Over five years of involvement in international projects, IAM-ESM modelling, and policy analysis for the energy transition.

WORK EXPERIENCE

RESEARCHER – UNIVERSITY OF ZAGREB – 1 Sep 2025 – Current – ZAGREB, CROATIA

Research on 100% renewable energy systems, energy vector, and IAM-ESM coupling.
Methodological development in energy flexibility, energy transmission, and energy planning.
Tools: GAMS, Python, R, H2RES, GCAM.

RESEARCH ASSISTANT – PONTIFICIA UNIVERSIDAD CATÓLICA DE VALPARAÍSO – 1 Mar 2020 – 31 Aug 2025 – VALPARAÍSO, CHILE

IAM modeling and national energy transition, Chile-Latin America cooperation.
Participation in FONDECYT, APEC, and Net-Zero World.
Technical coordination of modeling and scenarios.

EDUCATION AND TRAINING

10 MAR 2020 – 31 AUG 2025 Valparaíso, Chile

DOCTOR IN INDUSTRIAL ENGINEERING Pontificia Universidad Católica de Valparaíso

Website www.pucv.cl | **Field of study** Engineering and engineering trades not further defined | **Level in EQF** EQF level 8

1 MAR 2024 – 31 JUL 2024 Zagreb, Croatia

ERASMUS+ RESEARCH EXCHANGE University of Zagreb

Website <https://www.fsb.unizg.hr/> | **Field of study** Engineering and engineering trades not further defined |

Level in EQF EQF level 7

10 MAR 2010 – 31 AUG 2015 Temuco, Chile

CIVIL INDUSTRIAL ENGINEER Universidad de La Frontera

Website www.ufro.cl | **Field of study** Engineering and engineering trades not further defined | **Level in EQF** EQF level 6

LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	C1



Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Office

PUBLICATIONS

[Google Scholar profile](#)

CONFERENCES AND SEMINARS

Conferences

- 5th Latin American Conference on Sustainable Development of Energy, Water and Environment Systems (LA SDEWES) – 2026, Cartagena de Indias
- Member, Local Organizing Committee, 5th LA SDEWES Conference – 2026, Cartagena de Indias
- 20th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES) – 2025, Dubrovnik
- 19th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES) – 2024, Rome
- 4th Latin American Conference on Sustainable Development of Energy, Water and Environment Systems (LA SDEWES) – 2024, Viña del Mar
- Member, Local Organizing Committee, 4th LA SDEWES Conference – 2024, Viña del Mar
- 18th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES) – 2023, Dubrovnik
- Member, Local Organizing Committee, 18th SDEWES Conference – 2023, Dubrovnik
- 23rd Conference of the International Federation of Operational Research Societies (IFORS) – 2023, Santiago
- International Conference on Production Research (ICPR) – 2018, Bogotá

HONOURS AND AWARDS

Honours and awards

1. Summa Cum Laude, Doctor of Industrial Engineering, School of Industrial Engineering, Faculty of Engineering, Pontificia Universidad Católica de Valparaíso
2. Summa Cum Laude, Professional Degree, Faculty of Engineering and Sciences, Universidad de La Frontera
3. Magna Cum Laude, Bachelor's Degree, Faculty of Engineering and Sciences, Universidad de La Frontera

NETWORKS AND MEMBERSHIPS

Memberships

member of *Instituto Chileno de Investigación Operativa* ([Chilean Institute of Operations research](#))