

Personal information

First name(s) / Surname(s) Mutlucan Bayat
Nationality Turkish

Work experience

Dates 02/12/2013-30/09/2023
Occupation or position held Research/Teaching Assistant
Main activities and responsibilities Supervision of undergraduate, graduate and doctoral students
Managing courses such as Thermodynamics, Fuel Cell Fundamentals, Solar Energy & Applications
Name and address of employer Karabük University, Karabük, Turkey
Type of business or sector Higher education

Further Work experience

Dates 01/10/2023-30/09/2024
Occupation or position held Postdoctoral researcher
Main activities and responsibilities Advance finite element simulation of pellets. Determination of porosity variation with respect to the time. In addition, the simulation of fuel cell and electrolyser stacks etc.
Name and address of employer University of Salento, Via per Arnesano, 73100, Lecce, Italy
Type of business or sector Higher education

Education

Dates 22/02/2016-11/11/2022
Title of qualification awarded PhD. In Mechanical Engineering, GPA: 3.50/4.00
Principal subjects/occupational skills covered Energetic and exergetic performance assessment of a high-temperature PEM Fuel Cell
Modelling and simulation of fuel cells
Name and type of institution providing education and training Karabük University (public), Karabük, Turkey

Education

Dates 03/02/2014-19/02/2026
Title of qualification awarded MSc. In Mechanical Engineering, GPA: 3.43/4.00
Principal subjects/occupational skills covered Energetic and exergetic performance assessment of a solar PV module
Experimental analysis on different climatic conditions
Name and type of institution providing education and training Karabük University (public), Karabük, Turkey

Further Education

Dates 05/09/2006-06/06/2011
Title of qualification awarded BSc in Mechanical Engineering
Principal subjects/occupational skills covered Performance assessment of energy-efficient Green Houses
Name and type of institution providing education and training Mustafa Kemal University (public), Hatay, Turkey

Internship and training

Dates 28-31/10/2019

Hosting organization	Institute of Chemical Engineering and Environmental Technology, Graz University of Technology, Graz, Austria
Principal tasks covered	Personal training on high-temperature PEMFCs under the scope of Erasmus + Staff Mobility
Personal skills and competences	
Mother tongue(s)	Turkish
English language	English (B2) English language B2 level of the Council of Europe Common European Framework of Reference for Languages
Technical skills and competences	Modelling of trigeneration and multigeneration systems. Simulation of pellets, fuel cells, and electrolyzers.
Computer skills and competences	COMSOL Multiphysics, EES, Minitab etc.
Current Position	Postdoctoral Researcher at the Department of Chemical Engineering, Materials and Environment, Sapienza University of Rome, Rome, Italy

The personal data collected will be treated in accordance with the principles and provisions of Legislative Decree no. 196/2003 regarding the protection of confidentiality and then only for the purpose of managing the competition procedure.

Date, 30/09/2024