

Curriculum Vitae Marta Victoria

PERSONAL DATA

Date of birth	02/05/1984	Nationality	Spanish
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SCIENTIFIC PROFILE

I am a multidisciplinary researcher working as an Associate Professor at the Technical University of Denmark (DTU) with previous research experience in Spain, Canada, and Denmark. My research focuses on the modelling of large-scale energy systems with high renewable penetration, paying special attention to the role of solar photovoltaics and the design of resilient energy systems. I co-develop PyPSA-Eur, an open networked sector-coupled model of the European energy system. I have published 55 papers (16 as first author and 12 as last author), including 4 in Nature Communications, 4 in Joule, and 1 in Science. My papers have been cited 4900 times, resulting in an h-index of 32. I have also co-authored 4 patents and edited a MSc-level textbook on solar photovoltaics. I currently lead a research group consisting of 5 PhDs and 2 postdoctoral researchers.

EDUCATION

May 2014	Ph.D. at Solar Energy Institute - Technical University of Madrid.
Sep. 2007	B.Sc. and M.Sc. in Aerospace Engineering, Technical University of Madrid.

ACADEMIC EMPLOYMENT

Aug 2024 – present	Associate Professor, Department of Wind and Energy Systems, DTU <i>I teach M.Sc. courses on Integrated Energy Grids and Solar Energy</i>
Jan 2022 – present	Associate Professor, Department of Mechanical Engineering, Aarhus University
Jun 2019 – Dec 2021	Assistant Professor, Department of Mechanical Engineering, Aarhus University
Nov 2017 - May 2019	Postdoc Researcher, Department of Engineering, Aarhus University.
Mar 2015 - Oct 2017	Postdoc Researcher, Solar Energy Institute, Technical University of Madrid.

ACADEMIC AWARDS AND HONORS

Nov 2022	DFF-Sapere Aude Young Research Leader
Jun 2022	IEEE Stuart R. Wenham Young Professional Award <i>Presented at the 48th IEEE Photovoltaic Conference, the award recognizes individuals who have made significant contributions to the science and technology of photovoltaic energy and show significant promise as a leader in the field.</i>
Jan 2015	Outstanding Doctorate Award assigned by the Technical University of Madrid to the top PhD theses.

SUPERVISION EXPERIENCE

I have previously supervised 23 MSc students and 4 successful PhDs. I currently supervise 5 PhD students and 3 postdoctoral researchers.

ACADEMIC SERVICES

2018-present	Member of the Scientific Committee of the European Photovoltaic Solar Energy Conference (EUPVSEC) and the IEEE Photovoltaic Specialists Conference (PVSC), USA.
May 2019	Main organizer of the 9 th International Workshop on Open Energy Modelling
2020- 2024	Member of the Research Committee at MPE Department - Aarhus University
2022- 2024	Member of the PhD Committee at MPE Department - Aarhus University

PUBLIC OUTREACH

I have published several articles in press, delivered a [TEDx talk](#), and co-authored a widely recognized [report explaining the operation of power markets for the general public](#). In 2021, I was one of the 100 experts selected by the Spanish Government's Foresight Office to collaborate on the national strategy [España 2050](#), co-authoring Chapter 4 on achieving a climate-neutral and sustainable society. In 2025, I co-authored the book [Un lugar al que llegar. Mapa político de la transición energética](#).