

ANASTASIA ZABANIOTOU-Short CV

Anastasia Zabaniotou is a full professor at the Department of Chemical Engineering of the Engineering School of Aristotle University of Thessaloniki, Greece. She holds a PhD and Master from Ecole Centrale de Paris, France (today Ecole CentraleSupélec).

She worked at the European Commission in Brussels, in the Directorate-General for Research and Technological Development (R&TD) and continues to collaborate as an expert.

She is the President-Elect of the Mediterranean Engineering Schools Network (RMEI) for Sustainable Development and represents the Aristotle University of Thessaloniki at the T.I.M.E Network, based at the Ecole CentraleSupélec in Paris, France.

She has visited 55 universities worldwide (Europe, America, Asia, Africa, Latin America, and the United Arab Emirates) for conferences, international collaboration, and teaching. She has been a visiting researcher at many universities: Université Libre de Bruxelles (ULB), Brussels, Belgium; KTH in Stockholm, Sweden; Tsinghua University, Beijing, China; Federico Santa Maria Technical University in Valparaiso, Chile; Federal University of Rio de Janeiro, Brazil; Stony Brook, New York University, USA; Foggia University, Italy; Ecole Centrale Marseille, Hull University, UK.

She has been a leading member of the Students' Mobility and ERASMUS committees of the Department of Chemical Engineering and a member of the International Cooperation Committee of Aristotle University. She has concluded many international bilateral collaborations with international universities for the benefit of Aristotle University and its students.

She is a member of the Gender Equality Committee of the Aristotle University of Thessaloniki, founding member of the '*Gender Equality and Sustainable Development*' committee of the Engineering School of the Aristotle University of Thessaloniki, Member of the Greek Government's *Center for women's innovation (GILAW)* and the Gender Equality group Leader at the Mediterranean Engineering Schools Network (RMEI). She was the leader of the EU HORIZON2020 TARGET project '*Taking a Reflexive Transformation approach to Gender Equality for Institutions Transformation*' (<https://www.gendertarget.eu/>) at RMEI.

She chairs biomass and bioenergy at the International Renewable Energy Network and Conference (WREN/WREC) and is a founding member of the Chinese Bioenergy and Environment Network (BEE-RCN). Her research and innovation activities are focused on the development of technologies for the utilization of renewable and recyclable materials in the context of the circular economy. In recent years, she has developed an interest in Interdisciplinary Research and Education, Sustainability and Resilience to Climate Change Risks, Gender Equality in Sustainable Development, and Interdisciplinary Research and Education. She has been involved in activities related to Science and Society and International Engineering Education, bringing science, technology, society, art, and sustainability together by organizing respective student groups and conferences. In teaching, she uses new methods of learning with hands-on projects, teamwork, self-evaluation, and interdisciplinarity.

She has coordinated or participated in about 35 national (public and private) and European projects. She has published 165 scientific papers in international peer-reviewed journals and presented at about 300 conferences. Her research work has had an international impact and has received 12182 citations. It has an h-index of 53 (Google Scholar).

Her research team has been awarded 15 times for excellence and innovation.

- In August 2018, she was honored by the New York-based World Energy Forum (WEF) as a guest speaker (VIP KEYNOTE SPEAKER) at the 2018 Inner Mongolia World Energy Conference.
- Anastasia was honored by the International Renewable Energy Network (WREN/WREC) in London in 2018 for her scientific contribution and pioneering work in bioenergy issues.
- In 2019, she was awarded by Aristotle University for her international recognition and collaborations that contributed to the internationalization of Aristotle University.
- In 2021, she was included in the TOP 2% list of the world's most cited scientists for the years 2019 and 2020: "Data for updated science-wide author databases of standardized citation indicators 2019, 2020", published by Stanford University in the United States, based on the impact of published work during the years 2019 and 2020.
- She is also included in the list of the TOP100 scientists of Aristotle University, recognized worldwide for the impact of published work during her whole career.

She believes that creative and transformative learning deserves a bigger role in education for an awareness that is interrelated with technological achievements and innovations. A long-lasting change in any social or environmental system can be brought about by understanding the connection between our consciousness, thoughts, and actions and their impact on socio-ecological systems. Thus, she is interested in teaching that brings an understanding of the relationships between awareness and actions and in establishing a value-based education through which young scientists could participate to bring sustainable solutions and the desired results for the peace and wellbeing of the entire world.