



Paula Costa

Scientist/Professor

paula.costa@lneg.pt
National Laboratory of Energy and Geology/Bioenergy and Biorefinery Unit
WWW.LNEG.PT

Paula Costa is a researcher at LNEG, working mainly in the field of waste recovery for energy purposes, either directly or through energy vectors such as solid fuels, liquids, synthesis gas, and hydrogen, using thermochemical processes like combustion, gasification, pyrolysis, and hydrothermal liquefaction. She has a PhD in Chemical Engineering from the Faculty of Science and Technology of the New University of Lisbon, titled “Production of liquid and gaseous hydrocarbons by plastic waste pyrolysis” (2006). She is also specialised in instrumental analysis techniques, such as Gas Chromatography and mass spectrometry.

She has participated in national and international projects in waste valorisation, using the thermochemical processes. More recently, it has been involved in activities linked to renewable energy, namely the use of concentrated solar energy as an energy source for the production of fuels through thermochemical processes (Solar Fuels).

Since 2008, she has been a visiting professor at the Faculty of Sciences of the University of Lisbon teaching the course Hydrogen and new Energy Vectors. She has also worked on several projects related to this field, mainly in the hydrogen production but, more recently in LCOH determination.

She has more than 30 publications and has participated in more than 40 scientific projects. She is currently responsible for the Renewable Synthetic Fuels area of the Bioenergy and Biorefineries Unit, coordinating its activities in the area of synthetic fuel production, promoting the applications for projects and technical-scientific assistance contracts, collaborating in technical reports preparation and supporting public policies.