

Curriculum Vitae



Madalena Barroso

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Professional Situation

Research Officer

Academic and Scientific Degrees

- Ph.D. in "*Sciences de la terre et de l'univers et de l'environnement*" and in Civil Engineering, Universities of Grenoble and Coimbra (cotutele), in 2005
- MSc. in Soil and Rock Mechanics, University of Coimbra, in 1994
- Graduate (5-year University Degree) in Geological Engineering, University of Aveiro, in 1991

Functions and Relevant Public Offices

- Laboratório Nacional de Engenharia Civil (LNEC): Research Officer (since 2005), Research Assistant (1994 – 2005)
- Professor at Postgraduate Course on Rehabilitation of Railway Infrastructures, NOVA University Lisbon and LNEC (since 2020)
- Portuguese Chapter of the International Geosynthetics Society: President of the Board (since 2021), Vice-President of the Board (2012-2020), Secretary of the Board (2004 – 2012)
- Member of the Executive Board of Revista de Geotecnia (2012 – 2016)
- Member of Portuguese Committee for Standardization – CITEV, TC4 – geotextiles, since 1998
- Member of Portuguese Delegation of CEN TC 189 – Geosynthetics, from 1995 to 1998

Areas of Research / Interest

- Geosynthetics in geotechnical and geoenvironmental engineering applications
- Landfills (lining systems)
- Geoenvironmental engineering

Research and Professional Activity

- Participation in several scientific research projects
- Participation/ coordination in several funded research studies

- Participation in standardization activities

Scientific Orientation

- Supervisor of master thesis
- Supervisor of training courses
- Jury member of PhD and Masters dissertations

Relevant Publications

- Ph.D. thesis
- MSc. thesis
- Chapter of books
- Papers in international and national peer review journals
- Technical Information of LNEC
- Conference communications in international and national scientific meetings
- Technical Reports of LNEC

Other scientific and technical Activities

- Head of Geosynthetics Laboratory
- Lectures and courses by invitation
- Member of the organizing committees of congresses and other scientific events
- Member of reviewing committees in national and international scientific journals