

Short curriculum vitae, September 2016

João Joanaz de Melo

CENSE - Center for Environmental and Sustainability Research www.cense.fct.unl.pt

Department of Environmental Science and Engineering www.dcea.fct.unl.pt

Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa www.fct.unl.pt

2829-516 Caparica, Portugal

Phone: +351-212948397 Fax: +351-212948554 E-mail: jim@fct.unl.pt



Biographical note

João Joanaz de Melo graduated and holds a PhD in Environmental Engineering. He is an Assistant Professor at the New University of Lisbon, Portugal, conducting teaching, research and consultancy on ecodesign, impact assessment, energy efficiency, sustainability and economic instruments for environment. He has supervised applied research in cooperation with business involving over 200 partnerships. He authored the popular science book “What is Ecology” and 221 scientific papers, of which 91 international. Ever a lover of Nature, he was one of the founders and served as president of GEOTA, a national environmental NGO.

Born: Lisbon, 1962. **Nationality:** Portuguese.

Education

Graduated in Environmental Engineering, New University of Lisbon (UNL), 1985. Visiting researcher at Cornell and Johns Hopkins Universities, USA, 1988. PhD in Environmental Engineering, UNL, 1992. “Agregado” in Environmental Systems, UNL, 2007.

Current position

Faculty member at the Department of Environmental Science and Engineering (DCEA), School of Science and Technology, New University of Lisbon (FCT-UNL), since 1990; currently an Assistant Professor. Senior researcher at the Center for Environmental and Sustainability Research (CENSE) at FCT-UNL. Teaches courses on strategic and impact assessment, energy efficiency, risk analysis, policy for environment and sustainability, and project. Has devoted special attention to cooperation with business and institutions, having supervised applied research and on-the-job student training in over 200 partnerships. Supervisor to date of three completed PhD theses and 70 MSc theses. Member of the scientific committees of the programs on Environmental Engineering MSc, Environmental Policy MSc, and e-Planning PhD.

Previous positions

National Laboratory for Civil Engineering (LNEC), 1984-1986; Research Center on Economy of Energy, Transports and Environment (CEEETA), 1986-1987; Directorate-General for Environmental Quality (DGQA), 1987-1988; PhD student at FCT-UNL, 1988-1992. Visiting scholar U. Texas, Austin, USA, 2014.

Research interests

Current research projects focus on ecodesign and environmental performance, energy policy, and the use of economic instruments to improve energy use and land use management. Other domains of interest include sustainability policy, eco-management, impact assessment, maritime surveillance, nature tourism, tools for public participation and the teaching of Environmental Engineering.

Consultancy

Selected projects: consultant in the “Plan for the environmental control of Pequenos Libombos dam” for the Mozambique Government, 1997; Government consultant to review Portuguese impact assessment law, 1997; environmental consultant of Transgás for the Portuguese Natural Gas Project, 1997-2004; coordinator of pioneer strategic and environmental studies of TroiaResort for Sonae (the largest Portuguese economic group), division Tourism, 1998-2008; coordinator of environmental audit to the national Environment Agency, 2001-2002; commentator on environment for TV station SIC Notícias, 2001-2004; coordinator of environmental reporting for bank Millennium bcp, 2005-2010; coordinator of life cycle and eco-labeling studies for the Sonae Group, 2007-2013; coordinator of the nature sport chart of Arrábida for ICNF, 2016.

Non governmental organizations (voluntary)

Founding member of the Portuguese Association of Environmental Engineering (APEA) since 1985.

Member of Ordem dos Engenheiros (the national Engineering association) since 1986.

Member of the Research Center on Information Technologies and Participatory Democracy (CITIDEP).

Founding member of GEOTA (www.geota.pt), serving as president 1992-1997 and 2009-2013.

Practitioner of speleology at CEAE-LPN (www.lpn-espeleo.org) since 1975. Federative instructor s. 1991.

Scientific coordinator of the Portuguese Federation of Speleology, FPE (www.fpe-espeleo.org), 2007-2014.

Member of the International Sustainable Development Research Society (ISDRS) since 2013.

Member of the Advisory committee at Green Budget Europe (GBE www.green-budget.eu) since 2015.

20 selected publications

- Melo JJ, Pimenta C (1993). *O que é Ecologia* (What is Ecology). Difusão Cultural, Lisboa. 191 p. ISBN 972-709-153-9.
- Melo JJ, Diesterheft A, Caeiro S, Santos RF, Ramos TB (Eds) (2016). *Proceedings of the 22nd International Sustainable Development Research Society Conference* (ISDRS 2016). CENSE-FCT-UNL/ISDRS, Lisboa, 13-15 July 2016. 3 vols. 847+669+447 p. E-book ISBN 978-972-674-791-8.
- Abreu PF, Melo JJ (Eds) (2000). *Public Participation and Information Technologies 1999*. CITIDEP / DCEA-FCT-UNL, Lisboa. 599 p. ISBN 972-98617-0-6.
- Melo JJ, Brazão A (2016). Saving the last wild rivers in Portugal. In: Melo JJ et al (Eds), *Proceedings 22nd International Sustainable Development Research Society Conference* (ISDRS 2016), vol. 1, 602-611. Lisboa, Portugal, 13-15 July 2016. ISBN: 978-972-674-791-8
- Sequeira M, Melo JJ (2016). Electricity saving potential in the small business service sector – case-study Telheiras, Portugal. In: Melo JJ et al (Eds), *Proceedings 22nd International Sustainable Development Research Society Conference* (ISDRS 2016), vol. 1, 759-768. Lisboa, Portugal, 13-15 July 2016. ISBN: 978-972-674-791-8
- Ramos TB, Montañó M, Melo JJ, Souza MP, Lemos CC, Domingues AR, Polido A (2015). Strategic Environmental Assessment in higher education: Portuguese and Brazilian cases. *Journal of Cleaner Production*, **106**, 222-228.
- Melo JJ (2015). Green tax reform, tipping point for energy use. *ISDRS 2015 – 21st International Sustainable Development Research Society Conference “Tipping point: vulnerability and adaptive capacity”*. Geelong (Melbourne), Australia, 10-12 July 2015.
- Matos B, Melo JJ (2014). Life cycle assessment of Portuguese wood furniture sector. *Towards Forest Products and Processes with Lower Environmental Impact*, 19-29. E-book ISBN 978-989-643-122-8.
- Sousa MJF, Melo JJ, Galvão A (2013). Multi-regional environmentally extended input-output analysis: a case study for Portuguese agriculture. *ISDRS 19 – 19th International Sustainable Development Research Conference “Just transitions: a global perspective”*, 866-888. Stellenbosch, South Africa, 1-3 July 2013. ISBN 978-0-7972-1448-4.
- Brazão A, Melo JJ (2012). Barriers to energy efficiency improvement in industrial small- and medium-sized enterprises: the Portuguese case. *1st International Conference on Energy, Environment and Sustainability* (EES 2012). Instituto Politécnico do Porto, 26-27 September 2012.
- Lopes TP, Melo JJ (2011). Potential energy savings in the climatization of residential buildings in Portugal. *Proceedings of MSKE 2011 – International Conference on Managing Services in the Knowledge Economy*, 834-844. Famalicão, Portugal, 13-15 July 2011. CLEGI/U. Lusíada. ISBN 978-989-640-103-0.
- Ramos TB, Melo JJ (2009). The state of environmental performance evaluation in the public sector: the case of the Portuguese Defence sector. *Journal of Cleaner Production*, **17** (1), 36-52.
- Prates J, Melo JJ (2009). EcoTerra Model – application of environmental fiscal reform in local government financing in Portugal. In: Cottrell J, Milne JE, Ashiabor H, Kreiser L, Deketelaere K (Eds), *Critical Issues in Environmental Taxation: International and Comparative Perspectives: Volume VI*, 699-715. Oxford University Press, UK. ISBN 978-0-19-956648-8.
- Melo JJ, Macedo L, Galvão A (2007). Application of the EcoBlock method to eco-design – electric hand dryers versus paper towels. In: Bragança L et al (Eds), *Portugal SB07 – Sustainable Construction, Materials and Practice*, 426-432. IST/U.Minho/IOS Press, The Netherlands. ISBN 978-1-58603-785-7.
- Melo JJ, Janeiro C (2005). Alqueva dam and irrigation project: hard lessons learned from good and bad assessment practice. *Proc. IAIA '05*. Cambridge, Massachusetts, USA, 31 May-3 June 2005.
- Andrade F, Ferreira MA, Gomes N, Melo JJ, Leitão P, Pinto MJ (2005). Strategic environmental assessment in Tróia (Portugal). In: Gomes FV et al. (Eds), *Proc, First International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean (ICCCM'05)*, 91-98. Tavira, Portugal, 17-20 April 2005. ISBN 972-8558-09-0.
- Melo JJ, Santana P (2000). A new model for EEZ surveillance and management in Portugal. In: Brebbia CA, Pascolo P (Eds), *Management Information Systems 2000*, 103-111. WIT Press. ISBN 1-85312-815-5.
- Melo JJ (2001). Environmental management and audit training at the New University of Lisbon by University-Industry co-operation. In: *Proceedings, Environmental Training in Engineering Education (ENTREE 2001) – integrated green policies: progress for progress*, 329-339. EEE Network and the University of Florence. ISBN 90-76760-03-9.
- Melo JJ (2000). The Vasco da Gama bridge on the Tagus estuary: a paradigm of bad decision-making, but good post-evaluation. *World Transport Policy and Practice*, **6** (2), 20-31.
- Melo JJ, Câmara AS (1994). Invited review: Models for the optimization of regional wastewater treatment systems. *European Journal of Operational Research*, **73** (1) 1-16.