

PERSONAL INFORMATION

Family name, First name: Rodrigues, Sónia Morais

Researcher unique identifier(s): ORCID: <http://orcid.org/0000-0002-3969-0972>;
ResearcherID: A-5407-2012; Scopus Author ID: 56219879600

Date of birth: 14/October/1978 **Nationality:** Portuguese

URL for web site: <http://www.cesam.ua.pt/smorais>

• **BIOGRAPHY**

Current Position: Senior Researcher at CESAM (University of Aveiro, Portugal) (2014-on going)

Past Positions: Fulbright Visiting Scholar at Carnegie Mellon University, USA (Oct 2015-April 2016); Post-Doc Researcher (University of Aveiro, Portugal & Alterra-Wageningen UR, the Netherlands) (2011-2013)

Education: Five-years Degree in Environmental Engineering (2001); MSc in Environmental Management and Policies (2005); PhD in Environmental Applied Sciences (2010).

• **COMPETITIVE GRANTS, FELLOWSHIPS, AND AWARDS**

2014 – 2018 - Starting Grant IF/01637/2013, FCT Investigator Programme

Awarded by FCT (Foundation for Science and Technology), Portugal. *This highly competitive programme supports outstanding post-doctoral researchers who wish to make the transition to independent researcher and establish leadership in their research fields.*

2015 (Oct) - 2016 (April): Fulbright Visiting Scholar at Carnegie Mellon University

Grant for Lecturers and Researchers, awarded by the United States Government
Carnegie Mellon University, Department of Civil and Environmental Engineering, USA

2011 – 2014: Postdoctoral Researcher - Grant Awarded by FCT (SFRH/BPD/71072/2010)

CESAM & Department of Chemistry, Universidade de Aveiro, Portugal and Alterra - Wageningen University and Research Centre, The Netherlands

2007 – 2010: PhD Researcher - Grant Awarded by FCT (SFRH/BD/30118/2006)

CESAM & Department of Chemistry, Universidade de Aveiro, Portugal and Alterra - Wageningen University and Research Centre, The Netherlands

• **SELECTED PUBLICATIONS (5 of 41)**

1. Rodrigues S.M., Demokritou P., Dokoozlian N., Hendren C.O., Karn B., Mauter M., Sadik O.A., Safarpour M., Unrine J., Viers J., Welle P., White J.C., Wiesner M.R., Lowry G.V. (2017) Nanotechnology for Sustainable Food Production: Promising opportunities and scientific challenges. *Environmental Science: Nano* (accepted 20-2-2017). Link: <https://dx.doi.org/10.1039/C6EN00573J>
2. Groenenberg J., Römkens P.A.F.M., Van Zomeren A., Rodrigues S.M., Comans R. (2017) Evaluation of the single dilute (0.43 M) nitric acid extraction to determine geochemically reactive elements in soil. *Environmental Science & Technology* (accepted 20-01-2017). Link: <https://dx.doi.org/10.1021/acs.est.6b05151>
3. Gao X., Spielman-Sun E., Rodrigues S.M., Casman E., Lowry G.V. (2017) Time and nanoparticle concentration affect the extractability of Cu from CuO NP amended soil. *Environmental Science & Technology* (accepted 20-01-2017). Link: <https://dx.doi.org/10.1021/acs.est.6b04705>
4. Vencalek B., Laughton S., Spielman-Sun E., Rodrigues S.M., Unrine J., Lowry G.V.; Gregory, K. In situ measurement of CuO and Cu(OH)₂ nanoparticle dissolution rates in quiescent freshwater mesocosms. (2016) *Environmental Science & Technology Letters*. 3, 10, 375-380.
5. Rodrigues S.M., Trindade T., Duarte A.C., Pereira E., Koopmans G.F., Romkens P.F.A.M. (2016) A framework to measure the availability of engineered nanoparticles in soils: Trends in soil tests and analytical tools. *TrAC-Trends Anal. Chem.* 75, 129-140.