

Ana Oliveira

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WORK EXPERIENCE

COORDINATOR PROFESSOR – INSTITUTO SUPERIOR DE EDUCAÇÃO E CIÊNCIAS (01/2015 – TO DATE)

Alameda das Linhas de Torres,179, 1750-142 Lisboa Portugal

Duties:

- Director of DGID (General Directorate of Research and Development)
- Coordinator of the master's degree in Risks and Civil Protection

- Lecturing the following courses:
 - Climate Change
 - Environmental Impact
 - Water Resources
 - Coastal Geodiversity and Coastal Safety
 - Prevention of Serious Accidents
 - Optical Materials

- Supervising and mentoring undergraduate students and MSc students

INVITED ASSISTANT PROFESSOR – POLYTECHNIC INSTITUTE OF SETÚBAL – 12/2010 - 01/2013

Campus do IPS Estefanilha, 2914-508 Setúbal, Portugal

Duties:

- Lecture the following disciplines (including laboratory practice):
 - Biodiversity and Ecosystem Conservation
 - Environmental Impact Assessment
 - Environmental Technologies II

- Supervising and mentoring undergraduate students

EDUCATION

PhD ENVIRONMENTAL ENGINEERING – UNIVERSITY OF LISBON – 11/2007 - 05/2011

Thesis: CO₂ fluxes at the air-water interface in a Portuguese estuarine system and adjacent coastal zone

MSc ECOLOGY, MANAGEMENT AND MODELING OF MARINE RESOURCES – NEW UNIVERSITY OF LISBON – 10/1996 - 11/1998

Thesis: Heavy metal contamination in the epibenthos of the Cala do Norte of the Tagus estuary

DEGREE CHEMICAL ENGINEERING – NEW UNIVERSITY OF LISBON – 01/1990 - 12/1994

MOST RELEVANT PUBLICATIONS

Book Chapters:

- Mateus, M., Oliveira, A.P., 2013. A numerical study of CO₂ dynamics in the Tagus estuary. In: Mateus, M. and R. Neves (eds.), Ocean modelling for coastal management – case studies with MOHID, IST Press, pp. 185-198. ISBN 978-989-8481-24-5. DOI: 10.13140/2.1.2408.0968
- MAMAOT, 2012. Estratégia Marinha para a subdivisão da Plataforma Continental Estendida. Diretiva Quadro Estratégia Marinha. Ministério da Agricultura, do Mar, do Ambiente e do Ordenamento do Território. Outubro 2012.
- Cabeçadas, G., Brogueira, M.J., Cabeçadas, L., Oliveira, A.P., Nogueira, M., 2011. Aspects of phytoplankton communities response to climate change. In: P. Duarte, P. and J.M. Santana-Casiano (eds.), Oceans and the Atmospheric Carbon Content, Springer Science+Business Media B.V., Chapter 4, pp. 79-94. DOI 10.1007/978-90-481-9821-4_4
- Ribeiro, M.J., Oliveira, A.P., Martins, P.G., Barqueira, A., 2020. O ensino superior na qualificação de competências em Proteção Civil – um modelo metodológico de pesquisa. In A. J. N. Silva, I. S. Souza, & R. F. Lima (Eds.), Educação e a Apropriação e Reconstrução do Conhecimento Científico (Vol. 3, pp. 189-200). Ponta Grossa: Atena Editora. DOI: 10.22533/at.ed.096202711
- Ribeiro, M., Oliveira, A.P., Martins, P.G., 2020. O ensino superior na qualificação de competências em proteção civil – Um modelo metodológico de pesquisa. In S. Oliveira e Sá, F. Freitas, P. A. Castro, M. G. Sanmamed, & A. P. Costa (Eds.), Investigação Qualitativa em Educação: avanços e desafios (vol 2, pp. 794-802). Aveiro: Ludomedia. <https://doi.org/10.36367/ntqr.2.2020.794-802>
- Baltazar, I., Oliveira, A.P., 2023. Unidos na biodiversidade: Os Desafios de uma Cidadania pelo Desenvolvimento Sustentável na União Europeia. In Veiga, F.S., Monteiro, S.S., Cebola, C.M. (Eds.), Direitos humanos, cidadania e desenvolvimento sustentável (pp. 302-314). 1^a ed., Porto: Instituto Iberoamericano de Estudos Jurídicos e Instituto Jurídico Portucalense
- Oliveira, A.P., Carraquico, T., 2025. Sustentabilidade. In Baltazar, I., Pacheco, F. (Eds.), Dicionário dos Valores e Cidadania Europeia (pp. 677-683), 1^a edição. Forte da Casa: Petrony Editora

Peer-review papers:

- Simas, M.T., Oliveira Ribeiro, A.P., Ferreira, J.G., 2001. SHRIMP - a dynamic model of heavy metal uptake in aquatic macrofauna. Environmental Toxicology and Chemistry, 20(11): 2649-2656. DOI: 10.1002/etc.5620201134
- Cabeçadas, L., Oliveira, A.P., 2005. Impact of *Coccolithus braarudii* bloom on the carbonate system of Portuguese coastal waters. Journal of Nannoplankton, 27(2): 141-147.

- Oliveira, A.P., Nogueira, M., Cabeçadas, G., 2006. CO₂ variations in surface adjacent coastal waters to Tagus Estuary (Portugal). *Ciencias Marinas*, 32(2B): 401-411. DOI: 10.7773/cm.v32i22.1088
- Range, P., Chícharo, M.A., Ben-Hamadou, R., Piló, D., Matias, D., Joaquim, S., Oliveira, A.P., Chícharo, L., 2011. Calcification, growth and mortality of juvenile clams *Ruditapes decussatus* under increased pCO₂ and reduced pH: variable responses to ocean acidification at local scales?. *Journal of Experimental Marine Biology and Ecology*, 396: 177-184. <https://doi.org/10.1016/j.jembe.2010.10.020> (Top dos 25 artigos mais consultados em 2011)
- Oliveira, A.P., Cabeçadas, G., Pilar-Fonseca, T., 2012. Iberia coastal ocean in the CO₂ sink/source context: Portugal case study. *Journal of Coastal Research*, 28(1): 184-195. <https://doi.org/10.2112/JCOASTRES-D-10-00060.1>
- Oliveira, A.P., Cabeçadas, G., 2012. Processes underlying CO₂ tidal variability in Tagus estuary (Portugal). *Ciencias Marinas*, 38(1B): 209-221. DOI: 10.7773/cm.v38i1B.1784
- Range, P., Piló, D., Ben-Hamadou, R., Chícharo, M.A., Matias, D., Joaquim, S., Oliveira, A.P., Chícharo, L., 2012. Seawater acidification by CO₂ in a coastal lagoon environment: Effects on life history traits of juvenile mussels *Mytilus galloprovincialis*. *Journal of Experimental Marine Biology and Ecology*, 424-425: 89-98. <https://doi.org/10.1016/j.jembe.2012.05.010>
- Range, P., Martins, M., Cabral, S., Piló, D., Ben-Hamadou, R., Teodósio, M.A., Leitão, F., Drago, T., Oliveira, A.P., Matias, D., Chícharo, L., 2014. Relative sensitivity of soft-bottom intertidal macrofauna to increased CO₂ and experimental stress. *Marine Ecology Progress Series*, 509: 153-170. doi: 10.3354/meps10861
- Oliveira, A.P., Mateus, M., Cabeçadas, G., Neves, R., 2015. Water-air CO₂ fluxes in the Tagus estuary plume (Portugal) during two distinct winter episodes. *Carbon Balance and Management*, 10(2): 2-15. doi: 10.1186/s13021-014-0012-3
- Pereira, A., Range, P., Campoy, A., Oliveira, A.P., Joaquim, S., Matias, D., Chícharo, L., Gaspar, M., 2016. Larval hatching and development of *Donax trunculus* (L.) under increased CO₂ and reduced pH scenarios. *Regional Environmental Change*, 16: 855-864. doi: 10.1007/s10113-015-0803-4
- Silva, C.S.E., Novais, S.C., Lemos, M.F.L., Mendes, S., Oliveira, A.P., Gonçalves, E.J., Faria, A.M., 2016. Effects of ocean acidification on the swimming ability, development and biochemical responses of sand smelt larvae. *Science of the Total Environment*, 563-564: 89-98. doi:10.1016/j.scitotenv.2016.04.091
- Oliveira, A.P., Coutinho, T.P., Cabeçadas, G., Brogueira, M.J., Coca, J., Ramos, M., Calado, G., Duarte, P., 2016. Primary production enhancement in a shallow water seamount (Gorringe – Northeast Atlantic). *Journal of Marine Systems*, 164: 13-29. doi:10.1016/j.jmarsys.2016.07.012
- Castro, J.M., Amorim, M.C.P., Oliveira, A.P., Gonçalves, E.J., Munday, P.L., Simpson, S.D., Faria, A.M., 2017. Painted Goby Larvae under High-CO₂ Fail to Recognize Reef Sounds. *PLoS ONE*, 12(1):e0170838. doi:10.1371/journal.pone.0170838
- Faria, A.M., Filipe, S., Lopes, A.F., Oliveira, A.P., Gonçalves, E.J., Ribeiro, L., 2017. Effects of high-pCO₂ on early life development of pelagic spawning marine fish. *Marine and Freshwater Research*, Published online: 2 June 2017. doi.org/10.1071/MF16385
- Oliveira, A.P., Cabeçadas, G., Mateus, M., 2017. Inorganic carbon distributions and CO₂ fluxes in a large European estuary (Tagus, Portugal). *Scientific Reports*, 7(7376): 14 pp. doi:10.1038/s41598-017-06758-z
- Oliveira, A.P., Pilar-Fonseca, T., Cabeçadas, G., Mateus, M.D., 2018. Local Variability of CO₂ Partial Pressure in a Mid-Latitude Mesotidal Estuarine System (Tagus Estuary, Portugal). *Geosciences*, 8(12), 460: 18 pp. doi:10.3390/geosciences8120460
- Baltazar, I., Oliveira, A.P., 2023. A Educação para a Paz Global e Sustentável: um imperativo ético da Agenda 2030. *Educação Unisinos*, 27, 1-19. <https://doi.org/10.4013/edu.2023.271.08> (<https://revistas.unisinos.br/index.php/educacao/article/view/25805/60749388>)
- Oliveira, A.P., Carraquico, T., 2024. Empowering future leaders: ISEC Lisboa's strategies for sustainable development. *International Journal of Human Sciences Research*, 4(3), 7 pp. <https://doi.org/10.22533/at.ed.558432419018>
- Oliveira, A.P., Martinez-Perez, C., Barqueira, A., Alvarez-Peregrina, C., Sánchez-Tena, M.Á., 2024. Optical Material Recycling Practices: A Look at Portuguese Optical Centers. *Sustainability*, 16, 5931. <https://doi.org/10.3390/su16145931>
- Oliveira, A.P., Ferreira, G., Martinez-Perez, C., 2024. Effects of Stage Lighting on Visual Comfort at Summer Festivals: A Study in Portugal. *Healthcare*, 12, 2441. <https://doi.org/10.3390/healthcare12232441>
- Martinez-Perez, C., Oliveira, A.P., 2024. Meta-Analysis of Materials and Treatments Used in Ophthalmic Lenses: Implications for Lens Characteristics. *Materials*, 17, 5949. <https://doi.org/10.3390/ma17235949>

- Oliveira, A.P., Bajanca, A., Paramés, A., 2025. Unveiling urban biodiversity: An interdisciplinary hands-on project that catalyzes awareness. *Environmental and Sustainability Indicators*, 25, 100561. <https://doi.org/10.1016/j.indic.2024.100561>
- Oliva, R., Oliveira, A.P., 2025. Preparing Resilient Communities to Mitigate Risk - Bairro Encosta Luz Case Study (Odivelas, Portugal). *Proceedings*, 113, 9. <https://doi.org/10.3390/proceedings2025113009>
- Ribeiro, M.J., Oliveira, A.P., Gil Martins, P., Barqueira, A., 2025. As instituições de ensino superior e a aprendizagem ao longo da vida: O caso dos cursos de proteção civil. *Riscos e Catástrofes, Contributos da Formação para a Redução do Risco*, 12: 89-102. <https://doi.org/10.14195/978-989-26-2685-7>