



## Curriculum Vitae

# Bernardo Duarte

Bernardo Duarte. Concluiu o(a) Doutoramento em Biologia em 2016 pelo(a) Universidade de Lisboa Faculdade de Ciências, Mestrado em Gestão e Conservação de Recursos Naturais em 2011 pelo(a) Universidade de Évora e Licenciatura em Biologia Celular e Biotecnologia em 2008 pelo(a) Universidade de Lisboa Faculdade de Ciências. É Investigador no(a) Centro de Ciências do Mar e do Ambiente e Investigador no(a) Universidade de Lisboa Centro de Oceanografia. Publicou 73 artigos em revistas especializadas. Possui 1 capítulo(s) de livros e 5 livro(s). Participa e/ou participou como Investigador em 6 projeto(s) e Investigador responsável em 4 projeto(s). Atua na(s) área(s) de Ciências Naturais com ênfase em Ciências da Terra e do Ambiente. Nas suas atividades profissionais interagiu com 338 colaborador(es) em coautorias de trabalhos científicos. No seu currículo Ciência Vitae os termos mais frequentes na contextualização da produção científica, tecnológica e artístico-cultural são: Contaminants; Stress biology; Physiology and biochemistry; Photobiology; Ecophysiology; Biogeochemistry; .

## Identificação

### Identificação pessoal

Nome completo  
Bernardo Duarte

Género  
Masculino

Data de nascimento  
1983/01/26

### Nomes de citação

Duarte, Bernardo

### Identificadores de autor

Ciência ID  
731E-093F-D4C8

ORCID iD  
0000-0003-1914-7435

Scopus Author Id  
20734149900

### Endereços de correio eletrónico

baduarte@fc.ul.pt (Profissional)

### Websites

<https://biotoxlab.wixsite.com/home> (Académico)

### Domínios de atuação

Ciências Naturais - Ciências da Terra e do Ambiente

## Idiomas

Idioma	Conversação	Leitura	Escrita	Compreensão	Peer-review
Português	Utilizador proficiente (C2)	Utilizador proficiente (C2)	Utilizador proficiente (C2)	Utilizador proficiente (C2)	Utilizador proficiente (C2)
Inglês	Utilizador proficiente (C2)	Utilizador proficiente (C2)	Utilizador proficiente (C2)	Utilizador proficiente (C2)	Utilizador proficiente (C2)

## Formação

	Grau	Classificação
2012 Concluído	Biologia (Doutoramento) Especialização em Especialidade: Ecologia  Universidade de Lisboa Faculdade de Ciências, Portugal " <i>Climate Change Impacts on Salt Marsh Vegetation Ecophysiology and Dynamics</i> " (TESE/DISSERTAÇÃO)	Aprovado com distinção e louvor
2011 Concluído	Gestão e Conservação de Recursos Naturais (Mestrado)  Universidade de Évora, Portugal " <i>Metal Biogeochemical Cycling in Tagus Estuary Salt Marshes: from Halophytes to Microbes</i> " (TESE/DISSERTAÇÃO)	
2007 Concluído	Biologia Celular e Biotecnologia (Licenciatura)  Universidade de Lisboa Faculdade de Ciências, Portugal	

## Percurso profissional

### Ciência

2015/02/01 - Atual	Investigador (Investigação) Centro de Ciências do Mar e do Ambiente, Portugal
2005 - Atual	Investigador (Investigação) Universidade de Lisboa Centro de Oceanografia, Portugal

## Projetos

### Bolsa

Designação	Financiadores
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2007/01 - 2009/05	Metal Cycling and Sediment Dynamics in Tagus Estuary; Influence of Salt Marsh Plants and Fishes (MECTIS) 104085 Provided by PTCRIS: 104085	Fundação para a Ciência e a Tecnologia, Portugal
2007/01 - 2009/05	Metal Cycling and Sediment Dynamics in Tagus Estuary; Influence of Salt Marsh Plants and Fishes (MECTIS) 82107 Provided by PTCRIS: 82107	Fundação para a Ciência e a Tecnologia, Portugal

## Projeto

	Designação	Financiadores
2020 - 2023	MarCODE - Desenvolvimento e Aplicação de Ferramentas Bioquímicas de Rastreamento de Produtos Comerciais Marinhos MAR-01.03.01-FEAMP-0047  Investigador responsável Universidade de Lisboa Faculdade de Ciências, Portugal	MAR2020, Portugal
2018/10/01 - 2021/09/30	OPTOX - Development and validation of bio-optical ecotoxicological tests in marine phototrophs PTDC/CTA-AMB/30056/2017  Investigador responsável Centro de Ciências do Mar e do Ambiente, Portugal	Fundação para a Ciência e a Tecnologia, Portugal
2018/05/02 - 2021/04/30	RESTAURA2020 - Avaliação e Restauro das comunidades de sapal afetadas por espécies vegetais invasoras: Ações de gestão e conservação para revitalização dos serviços do ecossistema e melhoria da sua função de viveiro para peixes 16-01-04-FMP-0014  Investigador responsável Centro de Ciências do Mar e do Ambiente, Portugal	MAR2020, Portugal
2018 - 2021	ReSet - Restauro de Sapais Estuarinos com vista à Sustentabilidade." 16-01-04-FMP-0026  Investigador Centro de Ciências do Mar e do Ambiente, Portugal	MAR2020, Portugal
2018 - 2021	Rhizomis - Redesigning the rhizosphere microbiome of Salicornia for exploitation of bioproducts and improvement of bioprocesses PTDC/BIA-MIC/29736/201  Investigador	Fundação para a Ciência e a Tecnologia, Portugal

Universidade de Aveiro Centro de Estudos do Ambiente e do Mar, Portugal  
 Universidade do Algarve Centro de Investigação Marinha e Ambiental, Portugal  
 Centro de Ciências do Mar e do Ambiente, Portugal

2018 - 2021	<p>EVOTOX - Evolution of harmful algae blooms under ocean acidification and the cascading effects on coastal food-web dynamics            PTDC/BIA-BMA/28317/2017</p> <p>Investigador</p>	Fundação para a Ciência e a Tecnologia, Portugal
2018 - 2021	<p>INTERPHENO - Uma Aproximação Interdisciplinar à Fenotipagem de Alto Débito em Plantas            PTDC/ASP-PLA/28726/2017</p> <p>Investigador</p> <p>Centro de Ciências do Mar e do Ambiente, Portugal            Universidade de Lisboa Instituto de Biosistemas e Ciências Integrativas, Portugal            Universidade Nova de Lisboa Instituto de Tecnologia Química e Biológica, Portugal            Universidade de Lisboa Instituto Superior Técnico, Portugal</p>	Fundação para a Ciência e a Tecnologia, Portugal
2018 - 2021	<p>LIFELINE - Understanding temporal changes in aquatic biodiversity and their consequences for ecosystem functioning and services            PTDC/BIA-BMA/28304/2017</p> <p>Investigador</p> <p>Instituto Português do Mar e da Atmosfera, Portugal            Centro de Ciências do Mar e do Ambiente, Portugal            Universidade do Porto Centro Interdisciplinar de Investigação Marinha e Ambiental, Portugal</p>	Fundação para a Ciência e a Tecnologia, Portugal
2018 - 2021	<p>VALPRAD - Importância ecológica, valoração económica e conservação das pradarias marinhas do Estuário do Sado.            MAR-01.04.02-FEAMP-0007</p> <p>Investigador</p>	MAR2020, Portugal
2018 - 2021	<p>LifeLines - Vulnerability of fisheries and coastal ecosystems to droughts: today &amp; tomorrow            PTDC/BIA-BMA/28304/2017</p> <p>Investigador responsável</p>	Fundação para a Ciência e a Tecnologia, Portugal
2018 - 2021	<p>EcoHalCon - Ecotoxicological analysis of halophytes growing in different levels of contamination with emerging pollutants by bio-optical and molecular tools            EcoHalCon</p> <p>Investigador</p> <p>Leibniz Universität Hannover Institut für Botanik, Alemanha</p>	Fundação para a Ciência e a Tecnologia, Portugal

Centro de Ciências do Mar e do Ambiente, Portugal  
Universidade de Lisboa Instituto de Biosistemas e Ciências  
Integrativas, Portugal

2017 - 2017

Hg-Planktartic - Unravelling Interactions between phyto-  
and zooplankton and mercury cycling in Deception Island  
waters impacted by volcanic-mercury

Hg-Planktarctic

Fundação para a  
Ciência e a  
Tecnologia,  
Portugal

Investigador responsável

Universidade de Aveiro Centro de Estudos do Ambiente e  
do Mar, Portugal  
Instituto Português do Mar e da Atmosfera, Portugal  
Centro de Ciências do Mar e do Ambiente, Portugal  
Universidade de Lisboa Instituto de Biosistemas e Ciências  
Integrativas, Portugal

## Produções

### Publicações

- Artigo em revista
- 1 Duarte, Bernardo; Manjate, Edite; Caçador, Isabel. 2020. "Baseline survey on the accumulation of microdebris in the intertidal sediments of a reference estuarine system (Mira estuary, Portugal)". *Oceans* 1 (2): 47-55. <https://www.mdpi.com/2673-1924/1/2/5>.  
Publicado · Acesso aberto
  - 2 Fonseca, Vanessa; Reis-Santos, P.; Duarte, Bernardo; Cabral, Henrique N.; Caçador, I.; Vaz, Nuno; Dias, João Miguel; Pais, Miguel Pessanha. 2020. "Roving pharmacies: Modelling the dispersion of pharmaceutical contamination in estuaries". *Ecological Indicators* 115: 106437. <https://www.sciencedirect.com/science/article/pii/S1470160X20303745>.  
Publicado
  - 3 Carreiras, João; Alberto Pérez-Romero, Jesús; Mateos-Naranjo, Enrique; Redondo-Gómez, Susana; Rita Matos, Ana; Caçador, Isabel; Duarte, Bernardo. 2020. "The effect of heavy metal contamination pre-conditioning in the heat stress tolerance of native and invasive Mediterranean halophytes". *Ecological Indicators* 111: 106045. <http://dx.doi.org/10.1016/j.ecolind.2019.106045>.  
10.1016/j.ecolind.2019.106045
  - 4 Cabrita, Maria Teresa; Brito, Pedro; Caçador, Isabel; Duarte, Bernardo. 2020. "Impacts of phytoplankton blooms on trace metal recycling and bioavailability during dredging events in the Sado estuary (Portugal)". *Marine Environmental Research* 153: 104837. <http://dx.doi.org/10.1016/j.marenvres.2019.104837>.  
10.1016/j.marenvres.2019.104837
  - 5 Human, Lucienne; Cruz de Carvalho, Ricardo; Caçador, Isabel; Reis-Santos, Patrick; Vanessa F. Fonseca; Duarte, Bernardo. 2020. "Mediterranean salt marsh sediment metal speciation and bioavailability changes induced by the spreading of non-indigenous *Spartina patens* [ECSS\_2020\_188]". *Estuarine, Coastal and Shelf Science*.

Submetido

- 6 Cruz de Carvalho, Ricardo; Eduardo Feijão; Matos, Ana Rita; Cabrita, Maria Teresa; Novais, Sara; Lemos, Marco; Caçador, Isabel; et al. 2020. "Glyphosate-based herbicide impacts primary production and physiological fitness of a marine diatom [PLAPHY-D-20-00964]". *Plant Physiology and Biochemistry*.  
Submetido
- 7 Feijão, Eduardo; Cruz de Carvalho, Ricardo; Duarte, Irina A; Matos, Ana Rita; Cabrita, Maria Teresa; Sara C. Novais; Lemos, Marco F. L.; et al. 2020. "Fluoxetine Arrests Growth of the Model Diatom *Phaeodactylum tricornutum* by Increasing Oxidative Stress and Altering Energetic and Lipid Metabolism [534732]". *Frontiers in Microbiology*.  
Submetido · Acesso aberto
- 8 Franzitta, Marco; Feijão, Eduardo; Cabrita, Maria Teresa; Gameiro, Carla; Matos, Ana Rita; Marques, João Carlos; Reis-Santos, Patrick; et al. 2020. "Toxicity going nano: Ionic versus engineered Cu nanoparticles (ENPs) impacts on the physiological fitness of the model diatom *Phaeodactylum tricornutum* [539827]". *Frontiers in Marine Science*.  
Em revisão
- 9 Marques da Silva, Jorge; Utkin, Andrei; Duarte, Bernardo. 2020. "Travelling expenses: The energy cost of diel vertical migrations of epipelagic microphytobenthos [518160]". *Frontiers in Marine Science*.  
Em revisão
- 10 Roma, Joana; Matos, Ana Rita; Vinagre, Catarina; Duarte, Bernardo. 2020. "Engineered metal nanoparticles in the marine environment: a review of the effects on marine fauna [MERE\_2020\_260]". *Marine Environmental Research*.  
Em revisão · Acesso aberto
- 11 Feijão, Eduardo; Marco Franzitta; Cabrita, Maria Teresa; Maria Isabel Violante Caçador; Duarte, Bernardo; Carla Gameiro; Ana Rita Matos. 2020. "Marine heat waves alter gene expression of key enzymes of membrane and storage lipids metabolism in *Phaeodactylum tricornutum* [PLAPHY-D-20-00939]". *Plant Physiology and Biochemistry*.  
Submetido
- 12 Gonçalo Laureano; Joana Figueiredo; Ana Rita Cavaco; Bernardo Duarte; Isabel Caçador; Rui Malhó; Marta Sousa Silva; Ana Rita Matos; Andreia Figueiredo. 2019. "Author Correction: The interplay between membrane lipids and phospholipase A family members in grapevine resistance against *Plasmopara viticola*". *Scientific Reports*. <https://doi.org/10.1038/s41598-019-42135-8>.  
10.1038/s41598-019-42135-8
- 13 Mónica Sebastiana; Bernardo Duarte; Filipa Monteiro; Rui Malhó; Isabel Caçador; Ana Rita Matos. 2019. "The leaf lipid composition of ectomycorrhizal oak plants shows a drought-tolerance signature". *Plant Physiology and Biochemistry* 144: 157-165. <https://doi.org/10.1016/j.plaphy.2019.09.032>.  
10.1016/j.plaphy.2019.09.032
- 14 Patrício Ramalhosa; Ignacio Gestoso; Bernardo Duarte; Isabel Caçador; João Canning-Clode. 2019. "Metal pollution affects both native and non-indigenous biofouling recruitment in a subtropical island system". *Marine Pollution Bulletin* 141: 373-386. <https://doi.org/10.1016/j.marpolbul.2019.02.072>.  
10.1016/j.marpolbul.2019.02.072

- 15 Maria Teresa Cabrita; Bernardo Duarte; Rute Cesário; Ricardo Mendes; Holger Hintelmann; Kevin Eckey; Brian Dimock; Isabel Caçador; João Canário. 2019. "Mercury mobility and effects in the salt-marsh plant *Halimione portulacoides*: Uptake, transport, and toxicity and tolerance mechanisms". *Science of The Total Environment* 650: 111-120. <https://doi.org/10.1016/j.scitotenv.2018.08.335>.  
10.1016/j.scitotenv.2018.08.335
- 16 Bernardo Duarte; Diogo Prata; Ana Rita Matos; Maria Teresa Cabrita; Isabel Caçador; João Carlos Marques; Henrique N. Cabral; Patrick Reis-Santos; Vanessa F. Fonseca. 2019. "Ecotoxicity of the lipid-lowering drug bezafibrate on the bioenergetics and lipid metabolism of the diatom *Phaeodactylum tricornutum*". *Science of The Total Environment* 650: 2085-2094. <https://doi.org/10.1016/j.scitotenv.2018.09.354>.  
10.1016/j.scitotenv.2018.09.354
- 17 Jesús Alberto Pérez-Romero; Bernardo Duarte; Jose-Maria Barcia-Piedras; Ana Rita Matos; Susana Redondo-Gómez; Isabel Caçador; Enrique Mateos-Naranjo. 2019. "Investigating the physiological mechanisms underlying *Salicornia ramosissima* response to atmospheric CO<sub>2</sub> enrichment under coexistence of prolonged soil flooding and saline excess". *Plant Physiology and Biochemistry* 135: 149-159. <https://doi.org/10.1016/j.plaphy.2018.12.003>.  
10.1016/j.plaphy.2018.12.003
- 18 Fonseca, V.F.; França, S.; Duarte, B.; Caçador, I.; Cabral, H.N.; Mieiro, C.L.; Coelho, J.P.; Pereira, E.; Reis-Santos, P.. 2019. "Spatial variation in mercury bioaccumulation and magnification in a temperate estuarine food web". *Frontiers in Marine Science* 6 (MAR). <http://www.scopus.com/inward/record.url?eid=2-s2.0-85065424630&partnerID=MN8TOARS>.  
10.3389/fmars.2019.00117
- 19 Bortolus, A.; Adam, P.; Adams, J.B.; Ainouche, M.L.; Ayres, D.; Bertness, M.D.; Bouma, T.J.; et al. 2019. "Supporting *Spartina*: Interdisciplinary perspective shows *Spartina* as a distinct solid genus". *Ecology* 100 (11). <http://www.scopus.com/inward/record.url?eid=2-s2.0-85074034244&partnerID=MN8TOARS>.  
10.1002/ecy.2863
- 20 Duarte, B.; Matos, A.R.; Pedro, S.; Marques, J.C.; Adão, H.; Caçador, I.. 2019. "Dwarf eelgrass (*Zostera noltii*) leaf fatty acid profile during a natural restoration process: Physiological and ecological implications". *Ecological Indicators* 106. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85066468104&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2019.105452
- 21 Gonçalo Laureano; Joana Figueiredo; Ana Rita Cavaco; Bernardo Duarte; Isabel Caçador; Rui Malhó; Marta Sousa Silva; Ana Rita Matos; Andreia Figueiredo. 2018. "The interplay between membrane lipids and phospholipase A family members in grapevine resistance against *Plasmopara viticola*". *Scientific Reports*. <https://doi.org/10.1038/s41598-018-32559-z>.  
10.1038/s41598-018-32559-z
- 22 Patrícia Vidigal; Bernardo Duarte; Ana Rita Cavaco; Isabel Caçador; Andreia Figueiredo; Ana Rita Matos; Wanda Viegas; Filipa Monteiro. 2018. "Preliminary diversity assessment of an undervalued tropical bean (*Lablab purpureus* (L.) Sweet) through fatty acid profiling". *Plant Physiology and Biochemistry* 132: 508-514. <https://doi.org/10.1016/j.plaphy.2018.10.001>.  
10.1016/j.plaphy.2018.10.001
- 23 Patrick Reis-Santos; Miguel Pais; Bernardo Duarte; Isabel Caçador; Andreia Freitas; Ana S. Vila Pouca; Jorge Barbosa; et al. 2018. "Screening of human and veterinary pharmaceuticals in estuarine waters: A baseline assessment for the Tejo estuary". *Marine Pollution Bulletin* 135: 1079-1084. <https://doi.org/10.1016/j.marpolbul.2018.08.036>.

- 24 Bernardo Duarte; Maria Teresa Cabrita; Tânia Vidal; Joana Luísa Pereira; Mário Pacheco; Patrícia Pereira; João Canário; et al. 2018. "Phytoplankton community-level bio-optical assessment in a naturally mercury contaminated Antarctic ecosystem (Deception Island)". *Marine Environmental Research*. <https://doi.org/10.1016/j.marenvres.2018.07.014>.  
10.1016/j.marenvres.2018.07.014
- 25 Bernardo Duarte; Helena Silva; João Miguel Dias; Noomene Sleimi; João Carlos Marques; Isabel Caçador. 2018. "Functional and ecophysiological traits of *Halimione portulacoides* and *Sarcocornia perennis* ecotypes in Mediterranean salt marshes under different tidal exposures". *Ecological Research*. <https://doi.org/10.1007/s11284-018-1632-y>.  
10.1007/s11284-018-1632-y
- 26 Jesús Alberto Pérez-Romero; Yanina Lorena Idaszkin; Jose-Maria Barcia-Piedras; Bernardo Duarte; Susana Redondo-Gómez; Isabel Caçador; Enrique Mateos-Naranjo. 2018. "Disentangling the effect of atmospheric CO<sub>2</sub> enrichment on the halophyte *Salicornia ramosissima* J. Woods physiological performance under optimal and suboptimal saline conditions". *Plant Physiology and Biochemistry* 127: 617-629. <https://doi.org/10.1016/j.plaphy.2018.04.041>.  
10.1016/j.plaphy.2018.04.041
- 27 Bernardo Duarte; Ana Rita Matos; João Carlos Marques; Isabel Caçador. 2018. "Leaf fatty acid remodeling in the salt-excreting halophytic grass *Spartina patens* along a salinity gradient". *Plant Physiology and Biochemistry* 124: 112-116. <https://doi.org/10.1016/j.plaphy.2018.01.007>.  
10.1016/j.plaphy.2018.01.007
- 28 Pérez-Romero, J.A.; Idaszkin, Y.L.; Duarte, B.; Baeta, A.; Marques, J.C.; Redondo-Gómez, S.; Caçador, I.; Mateos-Naranjo, E.. 2018. "Atmospheric CO<sub>2</sub> enrichment effect on the Cu-tolerance of the C<sub>4</sub> cordgrass *Spartina densiflora*". *Journal of Plant Physiology* 220: 155-166. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85034831149&partnerID=MN8TOARS>.  
10.1016/j.jplph.2017.11.005
- 29 Duarte, B.; Carreiras, J.; Pérez-Romero, J.A.; Mateos-Naranjo, E.; Redondo-Gómez, S.; Matos, A.R.; Marques, J.C.; Caçador, I.. 2018. "Halophyte fatty acids as biomarkers of anthropogenic-driven contamination in Mediterranean marshes: Sentinel species survey and development of an integrated biomarker response (IBR) index". *Ecological Indicators* 87: 86-96. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85039148535&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2017.12.050
- 30 Paredes-Páliz, K.; Rodríguez-Vázquez, R.; Duarte, B.; Caviedes, M.A.; Mateos-Naranjo, E.; Redondo-Gómez, S.; Caçador, M.I.; Rodríguez-Llorente, I.D.; Pajuelo, E.. 2018. "Investigating the mechanisms underlying phytoprotection by plant growth-promoting rhizobacteria in *Spartina densiflora* under metal stress". *Plant Biology* 20 (3): 497-506. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85045315425&partnerID=MN8TOARS>.  
10.1111/plb.12693
- 31 Duarte, B.; Martins, I.; Rosa, R.; Matos, A.R.; Roleda, M.Y.; Reusch, T.B.H.; Engelen, A.H.; et al. 2018. "Climate change impacts on seagrass meadows and macroalgal forests: An integrative perspective on acclimation and adaptation potential". *Frontiers in Marine Science* 5 (JUN). <http://www.scopus.com/inward/record.url?eid=2-s2.0-85048205019&partnerID=MN8TOARS>.



- 32 Cabrita, M.T.; Duarte, B.; Gameiro, C.; Godinho, R.M.; Caçador, I.. 2018. "Photochemical features and trace element substituted chlorophylls as early detection biomarkers of metal exposure in the model diatom *Phaeodactylum tricornutum*". *Ecological Indicators* 95: 1038-1052. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85044854318&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2017.07.057
- 33 B. Duarte; N. Vaz; J.M. Valentim; J.M. Dias; H. Silva; J.C. Marques; N. Sleimi; I. Caçador. 2017. "Revisiting the outwelling hypothesis: Modelling salt marsh detrital metal exports under extreme climatic events". *Marine Chemistry*. <https://doi.org/10.1016%2Fj.marchem.2016.12.002>.  
10.1016/j.marchem.2016.12.002
- 34 Repolho, T.; Duarte, B.; Dionísio, G.; Paula, J.R.; Lopes, A.R.; Rosa, I.C.; Grilo, T.F.; et al. 2017. "Seagrass ecophysiological performance under ocean warming and acidification". *Scientific Reports* 7. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85011290447&partnerID=MN8TOARS>.  
10.1038/srep41443
- 35 Duarte, B.; Pedro, S.; Marques, J.C.; Adão, H.; Caçador, I.. 2017. "Zostera noltii development probing using chlorophyll a transient analysis (JIP-test) under field conditions: Integrating physiological insights into a photochemical stress index". *Ecological Indicators* 76: 219-229. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85012284454&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2017.01.023
- 36 Duarte, B.; Neto, J.M.; Marques, J.C.; Adams, J.B.; Caçador, I.. 2017. "Marine angiosperm indices used to assess ecological status within the Water Framework Directive and South African National Water Act: Learning from differences and common issues". *Ecological Indicators* 83: 192-200. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85026853473&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2017.07.032
- 37 Goodwin, K.D.; Thompson, L.R.; Duarte, B.; Kahlke, T.; Thompson, A.R.; Marques, J.C.; Caçador, I.. 2017. "DNA sequencing as a tool to monitor marine ecological status". *Frontiers in Marine Science* 4 (MAY). <http://www.scopus.com/inward/record.url?eid=2-s2.0-85020132416&partnerID=MN8TOARS>.  
10.3389/fmars.2017.00107
- 38 Feijão, E.; Gameiro, C.; Franzitta, M.; Duarte, B.; Caçador, I.; Cabrita, M.T.; Matos, A. R.. 2017. "Heat wave impacts on the model diatom *Phaeodactylum tricornutum*: Searching for photochemical and fatty acid biomarkers of thermal stress". *Ecological Indicators*. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85027219876&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2017.07.058
- 39 Becker, V.I.; Goessling, J.W.; Duarte, B.; Caçador, I.; Liu, F.; Rosenqvist, E.; Jacobsen, S.-E.. 2017. "Combined effects of soil salinity and high temperature on photosynthesis and growth of quinoa plants (*Chenopodium quinoa*)". *Functional Plant Biology* 44 (7): 665-678. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85020700234&partnerID=MN8TOARS>.  
10.1071/FP16370
- 40 Cabrita, M.T.; Gameiro, C.; Utkin, A.B.; Duarte, B.; Caçador, I.; Cartaxana, P.. 2016. "Photosynthetic pigment laser-induced fluorescence indicators for the detection of changes associated with trace element stress in the diatom model species *Phaeodactylum tricornutum*". *Environmental Monitoring and*

- Assessment* 188 (5). <http://www.scopus.com/inward/record.url?eid=2-s2.0-84971281210&partnerID=MN8TOARS>.  
10.1007/s10661-016-5293-4
- 41 Duarte, B.; Cabrita, M.T.; Gameiro, C.; Matos, A.R.; Godinho, R.; Marques, J.C.; Caçador, I.. 2016. "Disentangling the photochemical salinity tolerance in *Aster tripolium* L.: Connecting biophysical traits with changes in fatty acid composition". *Plant Biology*. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85006337194&partnerID=MN8TOARS>.  
10.1111/plb.12517
- 42 Baumel, A.; Rousseau-Gueutin, M.; Sapienza-Bianchi, C.; Gareil, A.; Duong, N.; Rousseau, H.; Coriton, O.; et al. 2016. "Spartina versicolor Fabre: Another case of Spartina trans-Atlantic introduction?". *Biological Invasions* 18 (8): 2123-2135. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84978531205&partnerID=MN8TOARS>.  
10.1007/s10530-016-1128-z
- 43 Duarte, B.; Marques, J.C.; Caçador, I.. 2016. "Ecophysiological response of native and invasive Spartina species to extreme temperature events in Mediterranean marshes". *Biological Invasions* 18 (8): 2189-2205. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84978525363&partnerID=MN8TOARS>.  
10.1007/s10530-015-0958-4
- 44 Sghaier, D.B.; Pedro, S.; Diniz, M.S.; Duarte, B.; Caçador, I.; Sleimi, N.. 2016. "Tissue localization and distribution of as and al in the halophyte Tamarix gallica under controlled conditions". *Frontiers in Marine Science* 3 (DEC). <http://www.scopus.com/inward/record.url?eid=2-s2.0-85008716265&partnerID=MN8TOARS>.  
10.3389/fmars.2016.00274
- 45 Anjum, N.A.; Duarte, B.; Caçador, I.; Sleimi, N.; Duarte, A.C.; Pereira, E.. 2016. "Biophysical and biochemical markers of metal/metalloid-impacts in salt marsh halophytes and their implications". *Frontiers in Environmental Science* 4 (APR). <http://www.scopus.com/inward/record.url?eid=2-s2.0-85039169120&partnerID=MN8TOARS>.  
10.3389/fenvs.2016.00024
- 46 Ana Rita, Matos; Carla, Gameiro; Bernardo, Duarte; Isabel, Caçador; Maria Teresa, Cabrita. 2016. "Effects of nickel on the fatty acid composition of the diatom *Phaeodactylum tricornutum*". *Frontiers in Marine Science* 3. <http://dx.doi.org/10.3389/conf.fmars.2016.04.00033>.  
10.3389/conf.fmars.2016.04.00033
- 47 Maria Teresa, Cabrita; Bernardo, Duarte; Carla, Gameiro; Andrei, Utkin; Ana Rita, Matos; Isabel, Caçador; Paulo, Cartaxana. 2016. "Biochemical and biophysical tools for the detection of trace metal stress in the diatom model species *Phaeodactylum tricornutum*". *Frontiers in Marine Science* 3. <http://dx.doi.org/10.3389/conf.fmars.2016.04.00090>.  
10.3389/conf.fmars.2016.04.00090
- 48 Bernardo, Duarte; João, Marques; Isabel, Caçador. 2016. "Sea level rise impacts on estuarine salt marshes - a multi-disciplinary approach". *Frontiers in Marine Science* 3. <http://dx.doi.org/10.3389/conf.fmars.2016.04.00101>.  
10.3389/conf.fmars.2016.04.00101
- 49 B. Duarte; D. Santos; J.C. Marques; I. Caçador. 2015. "Impact of heat and cold events on the energetic metabolism of the C3 halophyte *Halimione portulacoides*". *Estuarine, Coastal and Shelf Science* 167: 166-177. <http://dx.doi.org/10.1016/j.ecss.2015.10.003>.  
10.1016/j.ecss.2015.10.003

- 50 B. Duarte; J.W. Goessling; J.C. Marques; I. Caçador. 2015. "Ecophysiological constraints of *Aster tripolium* under extreme thermal events impacts: Merging biophysical, biochemical and genetic insights". *Plant Physiology and Biochemistry* 97: 217-228. <http://dx.doi.org/10.1016/j.plaphy.2015.10.015>  
10.1016/j.plaphy.2015.10.015
- 51 B. Duarte; A. Baeta; M. Rousseau-Gueutin; M. Ainouche; J.C. Marques; I. Caçador. 2015. "A tale of two spartinas : Climatic, photobiological and isotopic insights on the fitness of non-indigenous versus native species". *Estuarine, Coastal and Shelf Science* 167: 178-190. <https://doi.org/10.1016/j.ecss.2015.06.015>  
10.1016/j.ecss.2015.06.015
- 52 B. Duarte; D. Santos; J.C. Marques; I. Caçador. 2015. "Ecophysiological constraints of two invasive plant species under a saline gradient: Halophytes versus glycophytes". *Estuarine, Coastal and Shelf Science* 167: 154-165. <http://dx.doi.org/10.1016/j.ecss.2015.04.007>  
10.1016/j.ecss.2015.04.007
- 53 Sílvia Pedro; Bernardo Duarte; Nuno Castro; Pedro Raposo Almeida; Isabel Caçador; José Lino Costa. 2015. "The Lusitanian toadfish as bioindicator of estuarine sediment metal burden: The influence of gender and reproductive metabolism". *Ecological Indicators* 48: 370-379. <https://doi.org/10.1016/j.ecolind.2014.08.041>  
10.1016/j.ecolind.2014.08.041
- 54 Pedro, S.; Duarte, B.; Raposo de Almeida, P.; Caçador, I.. 2015. "Metal speciation in salt marsh sediments: Influence of halophyte vegetation in salt marshes with different morphology". *Estuarine, Coastal and Shelf Science* 167: 248-255. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84949730160&partnerID=MN8TOARS>  
10.1016/j.ecss.2015.05.034
- 55 Kopf, A.; Bicak, M.; Kottmann, R.; Schnetzer, J.; Kostadinov, I.; Lehmann, K.; Fernandez-Guerra, A.; et al. 2015. "The ocean sampling day consortium". *GigaScience* 4 (1). <http://www.scopus.com/inward/record.url?eid=2-s2.0-84939478521&partnerID=MN8TOARS>  
10.1186/s13742-015-0066-5
- 56 Sghaier, D.B.; Duarte, B.; Bankaji, I.; Caçador, I.; Sleimi, N.. 2015. "Growth, chlorophyll fluorescence and mineral nutrition in the halophyte *Tamarix gallica* cultivated in combined stress conditions: Arsenic and NaCl". *Journal of Photochemistry and Photobiology B: Biology* 149: 204-214. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84935896069&partnerID=MN8TOARS>  
10.1016/j.jphotobiol.2015.06.003
- 57 Pedro, S.; Duarte, B.; Reis, G.; Pereira, E.; Duarte, A.C.; Costa, J.L.; Caçador, I.; Almeida, P.R.D.. 2015. "Metal partitioning and availability in estuarine surface sediments: Changes promoted by feeding activity of *Scrobicularia plana* and *Liza ramada*". *Estuarine, Coastal and Shelf Science* 167: 240-247. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84949195190&partnerID=MN8TOARS>  
10.1016/j.ecss.2015.07.039
- 58 Santos, D.; Duarte, B.; Caçador, I.. 2015. "Biochemical and photochemical feedbacks of acute Cd toxicity in *Juncus acutus* seedlings: The role of non-functional Cd-chlorophylls". *Estuarine, Coastal and Shelf Science* 167: 228-239. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84949223526&partnerID=MN8TOARS>  
10.1016/j.ecss.2015.10.005

- 59 Bernardo Duarte; Joana Freitas; Juliana Valentim; João Paulo Medeiros; José Lino Costa; Helena Silva; João Miguel Dias; et al. 2014. "Abiotic control modelling of salt marsh sediments respiratory CO<sub>2</sub> fluxes: application to increasing temperature scenarios". *Ecological Indicators* 46: 110-118. <http://dx.doi.org/10.1016/j.ecolind.2014.06.018>.  
10.1016/j.ecolind.2014.06.018
- 60 B. Duarte; J.M. Valentim; J.M. Dias; H. Silva; J.C. Marques; I. Caçador. 2014. "Modelling sea level rise (SLR) impacts on salt marsh detrital outwelling C and N exports from an estuarine coastal lagoon to the ocean (Ria de Aveiro, Portugal)". *Ecological Modelling* 289: 36-44. <http://dx.doi.org/10.1016/j.ecolmodel.2014.06.020>.  
10.1016/j.ecolmodel.2014.06.020
- 61 B. Duarte; D. Santos; H. Silva; J.C. Marques; I. Caçador. 2014. "Photochemical and biophysical feedbacks of C<sub>3</sub> and C<sub>4</sub> Mediterranean halophytes to atmospheric CO<sub>2</sub> enrichment confirmed by their stable isotope signatures". *Plant Physiology and Biochemistry* 80: 10-22. <http://dx.doi.org/10.1016/j.plaphy.2014.03.016>.  
10.1016/j.plaphy.2014.03.016
- 62 B. Duarte; D. Santos; J.C. Marques; I. Caçador. 2014. "Biophysical probing of *Spartina maritima* photo-system II changes during prolonged tidal submersion periods". *Plant Physiology and Biochemistry* 77: 122-132. <http://dx.doi.org/10.1016/j.plaphy.2014.01.023>.  
10.1016/j.plaphy.2014.01.023
- 63 Duarte, B.; Santos, D.; Silva, H.; Marques, J.C.; Caçador, I.; Sleimi, N.. 2014. "Light-dark O<sub>2</sub> dynamics in submerged leaves of C<sub>3</sub> and C<sub>4</sub> halophytes under increased dissolved CO<sub>2</sub>: Clues for saltmarsh response to climate change". *AoB PLANTS* 6. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84986601734&partnerID=MN8TOARS>.  
10.1093/aobpla/plu067
- 64 Santos, D.; Duarte, B.; Caçador, I.. 2014. "Unveiling Zn hyperaccumulation in *Juncus acutus*: Implications on the electronic energy fluxes and on oxidative stress with emphasis on non-functional Zn-chlorophylls". *Journal of Photochemistry and Photobiology B: Biology* 140: 228-239. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84906726335&partnerID=MN8TOARS>.  
10.1016/j.jphotobiol.2014.07.019
- 65 Freitas, J.; Duarte, B.; Caçador, I.. 2014. "Biogeochemical drivers of phosphatase activity in salt marsh sediments". *Journal of Sea Research* 93: 57-62. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84906315504&partnerID=MN8TOARS>.  
10.1016/j.seares.2014.04.002
- 66 Duarte, B.; Sleimi, N.; Cagador, I.. 2014. "Biophysical and biochemical constraints imposed by salt stress: Learning from halophytes". *Frontiers in Plant Science* 5 (DEC): 1-10. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84922056215&partnerID=MN8TOARS>.  
10.3389/fpls.2014.00746
- 67 Duarte, B.; Silva, G.; Costa, J.L.; Medeiros, J.P.; Azeda, C.; Sá, E.; Metelo, I.; Costa, M. J.; Caçador, I.. 2014. "Heavy metal distribution and partitioning in the vicinity of the discharge areas of Lisbon drainage basins (Tagus Estuary, Portugal)". *Journal of Sea Research* 93: 101-111. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84906303683&partnerID=MN8TOARS>.  
10.1016/j.seares.2014.01.003

- 68 Couto, T.; Martins, I.; Duarte, B.; Caçador, I.; Marques, J.C.. 2014. "Modelling the effects of global temperature increase on the growth of salt marsh plants". *Applied Ecology and Environmental Research* 12 (3): 753-764. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84906824851&partnerID=MN8TOARS>.  
10.15666/aeer/1203\_753764
- 69 Brennecke, D.; Duarte, B.; Paiva, F.; Caçador, I.; Canning-Clode, J.. 2014. "Microplastics as vector for heavy metal contamination from the marine environment". *Estuarine, Coastal and Shelf Science*. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84953439584&partnerID=MN8TOARS>.  
10.1016/j.ecss.2015.12.003
- 70 Duarte, B.; Santos, D.; Caçador, I.. 2013. "Halophyte anti-oxidant feedback seasonality in two salt marshes with different degrees of metal contamination: Search for an efficient biomarker". *Functional Plant Biology* 40 (9): 922-930. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84881397699&partnerID=MN8TOARS>.  
10.1071/FP12315
- 71 Couto, T.; Duarte, B.; Barroso, D.; Caçador, I.; Marques, J.C.. 2013. "Halophytes as sources of metals in estuarine systems with low levels of contamination". *Functional Plant Biology* 40 (9): 931-939. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84881426184&partnerID=MN8TOARS>.  
10.1071/FP12300
- 72 Duarte, B.; Freitas, J.; Couto, T.; Valentim, J.; Dias, J.M.; Silva, H.; Marques, J.C.; Caçador, I.. 2013. "New multi-metric Salt Marsh Sediment Microbial Index (SSMI) application to salt marsh sediments ecological status assessment". *Ecological Indicators* 29: 390-397. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84874059852&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2013.01.008
- 73 Couto, T.; Duarte, B.; Caçador, I.; Baeta, A.; Marques, J.C.. 2013. "Salt marsh plants carbon storage in a temperate Atlantic estuary illustrated by a stable isotopic analysis based approach". *Ecological Indicators* 32: 305-311. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84876964151&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2013.04.004
- 74 Valentim, J.M.; Vaz, L.; Vaz, N.; Silva, H.; Duarte, B.; Caçador, I.; Dias, J.M.. 2013. "Sea level rise impact in residual circulation in Tagus estuary and Ria de Aveiro lagoon". *Journal of Coastal Research (SPEC. ISSU)*: 1981-1986. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84883802361&partnerID=MN8TOARS>.  
10.2112/SI65-335
- 75 Valentim, J.M.; Vaz, N.; Silva, H.; Duarte, B.; Caçador, I.; Dias, J.M.. 2013. "Tagus estuary and Ria de Aveiro salt marsh dynamics and the impact of sea level rise". *Estuarine, Coastal and Shelf Science* 130: 138-151. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84883189294&partnerID=MN8TOARS>.  
10.1016/j.ecss.2013.04.005
- 76 Duarte, B.; Caçador, I.; Marques, J.C.; Croudace, I.W.. 2013. "Tagus estuary salt marshes feedback to sea level rise over a 40-year period: Insights from the application of geochemical indices". *Ecological Indicators* 34: 268-276. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84879407921&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2013.05.015
- 77 Duarte, B.; Couto, T.; Freitas, J.; Valentim, J.; Silva, H.; Marques, J.C.; Dias, J.M.; Caçador, I.. 2013. "Abiotic modulation of *Spartina maritima* photobiology in different latitudinal populations". *Estuarine, Coastal and Shelf Science* 130: 127-137. <http://www.scopus.com/inward/record.url?eid=2-s2.0->

84883175631&amp;partnerID=MN8TOARS.

10.1016/j.ecss.2013.02.008

- 78 Caçador, I.; Neto, J.M.; Duarte, B.; Barroso, D.V.; Pinto, M.; Marques, J.C.. 2013. "Development of an Angiosperm Quality Assessment Index (AQuA-Index) for ecological quality evaluation of Portuguese water bodies - A multi-metric approach". *Ecological Indicators* 25: 141-148. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84867796063&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2012.09.021
- 79 Duarte, B.; Santos, D.; Marques, J.C.; Caçador, I.. 2013. "Ecophysiological adaptations of two halophytes to salt stress: Photosynthesis, PS II photochemistry and anti-oxidant feedback - Implications for resilience in climate change". *Plant Physiology and Biochemistry* 67: 178-188. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84876303099&partnerID=MN8TOARS>.  
10.1016/j.plaphy.2013.03.004
- 80 Caador, I.; Costa, J.L.; Duarte, B.; Silva, G.; Medeiros, J.P.; Azeda, C.; Castro, N.; et al. 2012. "Macroinvertebrates and fishes as biomonitors of heavy metal concentration in the Seixal Bay (Tagus estuary): Which species perform better?". *Ecological Indicators* 19: 184-190. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84858750614&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2011.09.007
- 81 Duarte, B.; Caçador, I.. 2012. "Particulate metal distribution in Tagus estuary (Portugal) during a flood episode". *Marine Pollution Bulletin* 64 (10): 2109-2116. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84866746366&partnerID=MN8TOARS>.  
10.1016/j.marpolbul.2012.07.016
- 82 Duarte, B.; Couto, T.; Marques, J.C.; Caçador, I.. 2012. "Scirpus maritimus leaf pigment profile and photochemistry during senescence: Implications on carbon sequestration". *Plant Physiology and Biochemistry* 57: 238-244. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84862683083&partnerID=MN8TOARS>.  
10.1016/j.plaphy.2012.05.019
- 83 Duarte, B.; Freitas, J.; Caador, I.. 2012. "Sediment microbial activities and physico-chemistry as progress indicators of salt marsh restoration processes". *Ecological Indicators* 19: 231-239. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84858751950&partnerID=MN8TOARS>.  
10.1016/j.ecolind.2011.07.014
- 84 Duarte, B.; Silva, V.; Caçador, I.. 2012. "Hexavalent chromium reduction, uptake and oxidative biomarkers in *Halimione portulacoides*". *Ecotoxicology and Environmental Safety* 83: 1-7. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84864105079&partnerID=MN8TOARS>.  
10.1016/j.ecoenv.2012.04.026
- 85 Duarte, B.; Freitas, J.; Caçador, I.. 2011. "The role of organic acids in assisted phytoremediation processes of salt marsh sediments". *Hydrobiologia* 674 (1): 169-177. <http://www.scopus.com/inward/record.url?eid=2-s2.0-79960713059&partnerID=MN8TOARS>.  
10.1007/s10750-011-0731-3
- 86 Duarte, B.; Caetano, M.; Almeida, P.R.; Vale, C.; Caçador, I.. 2010. "Accumulation and biological cycling of heavy metal in four salt marsh species, from Tagus estuary (Portugal)". *Environmental Pollution* 158 (5): 1661-1668. <http://www.scopus.com/inward/record.url?eid=2-s2.0-77949914027&partnerID=MN8TOARS>.

10.1016/j.envpol.2009.12.004

- 87 Duarte, B.; Almeida, P.R.; Caçador, I.. 2009. "Spartina maritima (cordgrass) rhizosediment extracellular enzymatic activity and its role in organic matter decomposition processes and metal speciation". *Marine Ecology* 30 (SUPPL.1): 65-73. <http://www.scopus.com/inward/record.url?eid=2-s2.0-77949915334&partnerID=MN8TOARS>.  
10.1111/j.1439-0485.2009.00326.x
- 88 Caçador, I.; Caetano, M.; Duarte, B.; Vale, C.. 2009. "Stock and losses of trace metals from salt marsh plants". *Marine Environmental Research* 67 (2): 75-82. <http://www.scopus.com/inward/record.url?eid=2-s2.0-58649098160&partnerID=MN8TOARS>.  
10.1016/j.marenvres.2008.11.004
- 89 Duarte, B.; Reboreda, R.; Caçador, I.. 2008. "Seasonal variation of extracellular enzymatic activity (EEA) and its influence on metal speciation in a polluted salt marsh". *Chemosphere* 73 (7): 1056-1063. <http://www.scopus.com/inward/record.url?eid=2-s2.0-53049103401&partnerID=MN8TOARS>.  
10.1016/j.chemosphere.2008.07.072
- 90 Duarte, B.; Delgado, M.; Caçador, I.. 2007. "The role of citric acid in cadmium and nickel uptake and translocation, in *Halimione portulacoides*". *Chemosphere* 69 (5): 836-840. <http://www.scopus.com/inward/record.url?eid=2-s2.0-34548384773&partnerID=MN8TOARS>.  
10.1016/j.chemosphere.2007.05.007

## Capítulo de livro

- 1 Caçador, Isabel; Duarte, Bernardo; Marques, João Carlos. 2019. "Climate Change Impacts on Salt Marsh Vegetation Ecophysiology". In *Tasks for Vegetation Science*, 189-206. Springer International Publishing. [http://dx.doi.org/10.1007/978-3-030-04417-6\\_12](http://dx.doi.org/10.1007/978-3-030-04417-6_12).  
10.1007/978-3-030-04417-6\_12
- 2 Sghaier, D. B.; Pedro, S.; Duarte, B.; Caçador, I.; Sleimi, N.. 2019. "Arsenic tolerance mechanisms in halophytes: the case of *Tamarix gallica*". In *Halophytes and climate change: adaptive mechanisms and potential uses*, 255-265. CABI. <http://dx.doi.org/10.1079/9781786394330.0255>.  
10.1079/9781786394330.0255
- 3 Duarte, B.; Matos, A. R.; Marques, J. C.; Caçador, I.. 2019. "Lipids in halophytes: stress physiology relevance and potential future applications.". In *Halophytes and climate change: adaptive mechanisms and potential uses*, 359-371. CABI. <http://dx.doi.org/10.1079/9781786394330.0359>.  
10.1079/9781786394330.0359
- 4 Cabrita, Maria Teresa; Duarte, Bernardo; Gameiro, Carla; Matos, Ana Rita; Caçador, Isabel; Godinho, Rita M.. 2019. "Overview of Phytoplankton Indicators and Biomarkers as Key-Tools for Trace Element Contamination Assessment in Estuaries". In *Ecotoxicology of Marine Organisms*, 89-127. CRC Press. <http://dx.doi.org/10.1201/b22000-5>.  
10.1201/b22000-5
- 5 Duarte, Bernardo; Mateos-Naranjo, Enrique; Gómez, Susana Redondo; Marques, João Carlos; Caçador, Isabel. 2018. "Cordgrass Invasions in Mediterranean Marshes: Past, Present and Future". In *Histories of Bioinvasions in the Mediterranean*, 171-193. Springer International Publishing. [http://dx.doi.org/10.1007/978-3-319-74986-0\\_8](http://dx.doi.org/10.1007/978-3-319-74986-0_8).  
10.1007/978-3-319-74986-0\_8

- 6 Caçador, Isabel; Duarte, Bernardo; Marques, João Carlos; Sleimi, Noomene. 2016. "Carbon Mitigation". In *Halophytes for Food Security in Dry Lands*, 83-110. Elsevier. <http://dx.doi.org/10.1016/b978-0-12-801854-5.00006-6>.  
Publicado · 10.1016/b978-0-12-801854-5.00006-6
- 7 Caçador, Isabel; Duarte, Bernardo. 2015. "Chromium Phyto-transformation in Salt Marshes: The Role of Halophytes". In *Phytoremediation*, 211-217. Springer International Publishing. [http://dx.doi.org/10.1007/978-3-319-10969-5\\_18](http://dx.doi.org/10.1007/978-3-319-10969-5_18).  
Publicado · 10.1007/978-3-319-10969-5\_18
- 8 Isabel Caçador; Duarte, Bernardo. 2015. "Mechanisms of Salt Stress Tolerance in Halophytes – Biophysical and Biochemical Adaptations". In *Managing Salt Tolerance in Plants, Molecular and Genomic Perspectives*, 19-33. CRC Press.  
Publicado
- 9 Caçador, I.; Duarte, B.. 2014. "Eutrophication impacts on salt marshes natural metal remediation". 131-137. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84931358683&partnerID=MN8TOARS>.
- 10 Teixeira, A.; Duarte, B.; Caçador, I.. 2014. "Salt Marshes and Biodiversity". In *Sabkha Ecosystems: Volume IV: Cash Crop Halophyte and Biodiversity Conservation*, 283-298. Springer Netherlands. [http://dx.doi.org/10.1007/978-94-007-7411-7\\_20](http://dx.doi.org/10.1007/978-94-007-7411-7_20).  
10.1007/978-94-007-7411-7\_20
- 11 Caçador, Isabel; Duarte, Bernardo. 2013. "Eutrophication Impacts on Salt Marshes Natural Metal Remediation". In *Eutrophication: Causes, Consequences and Control*, 131-137. Springer Netherlands. [http://dx.doi.org/10.1007/978-94-007-7814-6\\_11](http://dx.doi.org/10.1007/978-94-007-7814-6_11).  
Publicado · 10.1007/978-94-007-7814-6\_11
- 12 Caçador, I.; Duarte, B.. 2012. "Tagus estuary salt marsh structure and dynamics: A historical perspective". In *Estuaries: Classification, Ecology and Human Impacts Books*, 41-56. Nova Science Publishers, Inc. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84892085027&partnerID=MN8TOARS>.  
Publicado
- 13 Isabel Caçador; Duarte, Bernardo; Joana Freitas. 2012. "Organic acid assisted phytoremediation in salt marshes: from hydroponics to field mesocosmos trials". In *Phytotechnologies: Remediation of Environmental Contaminants*, 317-326. Taylor and Francis/CRC Press.  
Publicado
- 14 Cagador, I.; Duarte, B.. 2011. "Salt marshes: An interesting ecosystem to study phytoremediation". In *Handbook of Phytoremediation*, 723-736. Nova Science Publishers, Inc. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84897297164&partnerID=MN8TOARS>.  
Publicado
- 15 Duarte, B.; Caçador, I.. 2010. "The role of salt marsh plants and microorganisms in sediment metal biogeochemistry". In *The role of salt marsh plants and microorganisms in sediment metal biogeochemistry*. Nova Science Publishers, Inc. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85035012174&partnerID=MN8TOARS>.

## Edição de livro

- 1 Duarte, Bernardo. 1978. *Ecotoxicology of Marine Organisms*. Editado por Bernardo Duarte; Isabel Caçador. Boca Raton, Estados Unidos: CRC Press. <http://dx.doi.org/10.1016/c2013-0-05774-x>.



Poster em  
conferência

- 1 Utkin, A.B.; Duarte, Bernardo; Cabrita, M.T.. 2020. "Prospective of Laser-Induced Fluorescence as a Non-Invasive Tool for Ecotoxicological Assessments.". Trabalho apresentado em *XIX International Conference Laser Optics (ICLO 2020)*.
- 2 Marco Franzitta; Repolho, T.; Matos, A.R.; Figueiredo, A.; Monteiro, F.; Caçador, Isabel; Rosa, R.; Duarte, Bernardo. 2019. "Chemodiversity and phylogenetic diversity of *Zostera noltii* seagrass prairies with different collapsing histories.". Trabalho apresentado em *CHEERS 2019*.
- 3 Human, L.; Feijão, Eduardo; Cruz de Carvalho, R.; Caçador, I.; Patrick Reis-Santos; Fonseca, V.F.; Duarte, Bernardo. 2019. "Salt marsh sediment metal speciation and bioavailability changes induced by *S. patens* bioinvasion.". Trabalho apresentado em *CHEERS 2019*.
- 4 Fonseca, V.F.; Duarte, I.A.; Feijão, Eduardo; Cruz de Carvalho, Ricardo; Matos, A. R.; Caçador, I.; Duarte, Bernardo; Reis-Santos, P.. 2019. "Fatty acid composition as natural tracers of estuarine habitat use.". Trabalho apresentado em *CHEERS 2019*.
- 5 Duarte, I.A.; Reis-Santos, P.; Cabral, H.N.; Duarte, Bernardo; Rato, Lénia; Novais, Sara; Lemos, M.F.L.; et al. 2019. "Long-term effects of exposure to pharmaceuticals in a top predator fish.". Trabalho apresentado em *CHEERS 2019*.
- 6 Matos, A.R.; Feijão, Eduardo; Cruz de Carvalho, Ricardo; Duarte, I.A.; Cabrita, M.T.; Reis-Santos, P.; Fonseca, V.F.; Duarte, Bernardo. 2019. "Fatty acids as biomarkers of Pharmaceuticals and Personal Care Products (PPCPs) toxicity in the model diatom *Phaeodactylum tricornutum*". Trabalho apresentado em *CHEERS 2019*.
- 7 Antunes, F.; Duarte, Bernardo; Pinto, M.V.; Silva, A.B.; Matos, A.R.; Caçador, I.; Brandão, Carlos. 2018. "Unlocking the hidden nutritional value of Portuguese edible halophytes cultivated under estuarine water irrigation schemes". Trabalho apresentado em *International Meeting on Marine Research 2018 (IMMR'16)*.
- 8 Carreiras, João; Gameiro, C.; Matos, A.R.; João Carlos Marques; Duarte, Bernardo; Caçador, I.. 2017. "Stress tolerance in pre-conditioned plant populations through Pulse Amplitude Modulated (PAM)". Trabalho apresentado em *7th EPCN - European Pond Conservation Network Workshop LIFE CHARCOS Seminar and the 12th Annual SWS European Chapter Meeting*.
- 9 Daniela Ferreira; Duarte, Bernardo; Caçador, I.; Gameiro, C.; Utkin, A; Figueiredo, Andreia. 2017. "Analysis of the lipid content and photosynthesis in *Glycine max* under drought stress". Trabalho apresentado em *3rd general meeting of COST action FA1306 "Field phenotyping technologies from woody perennials to annual crops"*.

- 10 Franzitta, M.; Gameiro, C.; Cabrita, M.T.; Matos, A.R.; João Carlos de Sousa Marques; Pretti, C.; Duarte, Bernardo; Caçador, I.. 2017. "Metal nanoparticles toxicity in marine photosynthetic organisms assessed through biophysical phenotyping: a first approach for stress evaluation.". Trabalho apresentado em *3rd general meeting of COST action FA1306 "Field phenotyping technologies from woody perennials to annual crops"*.
- 11 Carreiras, J.; Gameiro, C.; Ana Rita, Matos; João Carlos de Sousa Marques; Duarte, Bernardo; Caçador, I.. 2017. "Stress tolerance in pre-conditioned plant populations through Pulse Amplitude Modulated (PAM)". Trabalho apresentado em *3rd general meeting of COST action FA1306 "Field phenotyping technologies from woody perennials to annual crops"*.
- 12 Feijão, Eduardo; Gameiro, C.; Duarte, Bernardo; Caçador, I.; Cabrita, M.T.; Matos, A.R.. 2017. "Consequences of global warming and metal pollution on the metabolism of omega -3 and -6 fatty acids of *Phaeodactylum tricornutum*". Trabalho apresentado em *3rd general meeting of COST action FA1306 "Field phenotyping technologies from woody perennials to annual crops"*.
- 13 Pérez-Romero, J.A., Idaszkin, Y., Barcia-Piedras, J.M., Redondo-Gomez, S.; Duarte, Bernardo; Caçador, I.; Mateos-Naranjo, E.. 2017. "Growth and physiological responses of the halophyte *Salicornia ramosissima* to CO<sub>2</sub> enrichment and salinity". Trabalho apresentado em *XIV MEDECOS & XIII AEET Meeting*.  
10.3997/2214-4609.201900087
- 14 Todorova, N.; Rangelov, M.; Duarte, Bernardo; Caçador, I.; Karamfilov, V.. 2016. "Microbial diversity in oil contaminated black sea coastal environments.". Trabalho apresentado em *Diversity and Biotechnology of Extremophiles International Conference*.
- 15 Duarte, Bernardo; Canning-Clode, J., Magalhães, C., Torgo, L., Todorova, N.H., Rangelov, M., Kadil, M., Oulas, A., Polymenakou, P.N., Good. 2016. "Towards the development of a Marine Health Index: a first approach provided by the Ocean Sampling Day (OSD) campaigns.". Trabalho apresentado em *56th Estuarine & Coastal Sciences Association ECSA'56*.
- 16 Grilo, Tiago; Duarte, Bernardo; Gameiro, C., Matos, A.R., Caçador, I. and Rosa, R.. 2016. "Growth and photophysiological responses of tropical and temperate *Ulva* species under a future changing ocean.". Trabalho apresentado em *56th Estuarine & Coastal Sciences Association ECSA'56*.
- 17 Duarte, Bernardo; Gameiro, C., Matos, A.R., Repolho, T., Dionísio, G., Grilo, T.F., Calado, R., Rosa, R. and Caçador, I.. 2016. "Seagrass (*Zostera noltii*) fatty acid profile under climate change scenarios: physiological and ecological insights.". Trabalho apresentado em *56th Estuarine & Coastal Sciences Association ECSA' 56*.
- 18 Duarte, Bernardo; Canning-Clode, J., Ramalhosa, P., Vaz, N., Dias, J.M., Bessa, F., Marques, J.C. and Caçador, I.. 2016. "Heavy metal release from plastic debris coated by anti-fouling paints along an estuarine physic-chemical gradient.". Trabalho apresentado em *56th Estuarine & Coastal Sciences Association ECSA' 56*.

- 19 Grilo, Tiago; Duarte, Bernardo; Gameiro, C., Matos, A.R., Caçador, I. and Rosa, R.. 2016. "Changes in the fatty acid profiles of tropical and temperate *Ulva* species under a warming and acidified scenario.". Trabalho apresentado em *56th Estuarine & Coastal Sciences Association ECSA'56*.
- 20 Cabrita, M.T.; Duarte, Bernardo; Gameiro, C., Utkin, A.B., Matos, A.R., Caçador, I. and Cataxana, P.. 2016. "Biochemical and biophysical tools for the detection of trace metal stress in the diatom model species *Phaeodactylum tricornutum*". Trabalho apresentado em *International Meeting on Marine Research 2016 (IMMR'16)*.
- 21 Matos, A.R.; Gameiro, C.; Duarte, Bernardo; Caçador, I. and Cabrita, M.T.. 2016. "Effects of metal pollution on the fatty acid composition of the diatom *Phaeodactylum tricornutum*". Trabalho apresentado em *International Meeting on Marine Research 2016 (IMMR'16)*.
- 22 Tomasino, M.P.; Piredda, R.; Sánchez, P.; Duarte, Bernardo; Fosso, B., Caçador, I., Amaral-Zettler, L., Pesole, G., and Zingone, A.. 2016. "Exploring spatial and temporal distribution of harmful microalgae with HTS-based DNA-metabarcoding data.". Trabalho apresentado em *EMBO-EMBL 2016 Symposium A New Age of Discovery for Aquatic Microeukaryotes*.
- 23 Duarte, Bernardo; Cabrita, M.T., Mendes, R., Hintelmann, H., Caçador, I. and Canário, J.. 2014. "Biophysical probing of halophyte photosystem II changes induced by Hg and MeHg exposure.". Trabalho apresentado em *SETAC North America 35th Annual Meeting*.
- 24 Caçador, I.; João Carlos de Sousa Marques; Duarte, Bernardo. 2014. "Biophysical and Biochemical mechanisms underlying the drought-tolerant *Spartina versicolor* to PEG mediated water stress.". Trabalho apresentado em *4th International Conference on Invasive Spartina*.

## Atividades

### Apresentação oral de trabalho

	Título da apresentação	Nome do evento Anfitrião (Local do evento)
2019/11	Drugs, diatoms and artificial intelligence: new ways to evaluate toxicity.	CHEERS 2019 (Bordeaux, França)
2019	The impact of marine heat waves in the dwarf eelgrass <i>Zostera noltii</i> .	CHEERS 2019 (Bordeaux, França)
2019	A tale of <i>Spartina</i> Bioinvasions in Mediterranean Marshes: Past, Present and Future.	CHEERS 2019 (Bordeaux, França)

2019	Introduction of non-indigenous <i>Spartina</i> species in Mediterranean salt marsh ecosystems: past, present and future.	European Ecological Federation Meeting 2019 (Lisbon, Portugal)
2018/07	Hg-Planktarctic - Unravelling the metabolic adaptations in phytoplankton continuously exposed to volcanic-mercury in Deception Island waters (Antarctica).	International Meeting on Marine Research 2018 (IMMR'18) (Peniche, Portugal)
2018/07	Not all marshes are invaded equally: Population contamination history conditions its feedback towards climate change	International Meeting on Marine Research 2018 (IMMR'18) (Peniche, Portugal)
2017/06	Meiofauna and macrofauna communities associated with different recovery stages of <i>Zostera noltii</i> beds in an estuarine system.	3rd International Symposium on Nematodes as Environmental Bioindicators (Carlow, Irlanda)
2017/05	How is metal speciation affected by halophyte cover in different morphology salt marshes?	7th EPCN - European Pond Conservation Network Workshop LIFE CHARCOS Seminar and the 12th Annual SWS European Chapter Meeting (Faro, Portugal)
2017/05	Sea level rise impacts on estuarine salt marshes - a multi-disciplinary approach.	7th EPCN - European Pond Conservation Network Workshop LIFE CHARCOS Seminar and the 12th Annual SWS European Chapter Meeting (Faro, Portugal)
2017/03	Bio-optical phenotyping as tools for stress tolerance and resistance assessment in photosynthetic organisms	3rd general meeting of COST action FA1306 "Field phenotyping technologies from woody perennials to annual crops" (Oeiras, Portugal)
2017/03	<i>Spartina patens</i> : passado, presente e futuro de uma planta invasora dos sapais do estuário do Tejo.	1º Encontro de Espécies Exóticas Aquáticas no Tejo (Alcochete, Portugal)
2016/12	Effects of salt and drought stress on the biodiesel production in Mediterranean halophytes.	International Synergy Meeting on the Sustainable Utilization of Saline Resources in Support of the United Nations Sustainable Development Goals with special Emphasis on Renewable Energy based on Biofuel University of Karachi (Karachi, Paquistão)

2016/10	Spatial and temporal distribution of harmful microalgae detected with HTS metabarcoding	17th International Conference on Harmful Algae (ICHA 2016) (Florianópolis, Brasil)
2016/09	Giant clams in a changing ocean: impact of warming and acidification on the photophysiology of the solar-powered <i>Tridacna maxima</i> .	56th Estuarine & Coastal Sciences Association ECSA'56 (Bremen, Alemanha)
2016/09	Seagrass fitness under ocean warming and acidification	Estuarine & Coastal Sciences Association ECSA'56 (Bremen, Alemanha)
2016/07	Sea level rise impacts on estuarine salt marshes - a multi-disciplinary approach.	International Meeting on Marine Research 2016 (Peniche, Portugal)
2016/03	Seagrass fitness under ocean warming and acidification.	4th International Symposium on the Ocean in a High-CO2 World (Hobart, Austrália)
2016/03	Giant Clams in a changing Ocean: Effects of Ocean Warming and Acidification on a Solar-powered Bivalve	4th International Symposium on the Ocean in a High-CO2 World (Hobart, Austrália)
2015/10	Merging ionic tissue location and imaging with biophysical probing as tools to assess salt stress tolerance in the model cash crop halophyte <i>Aster tripolium</i> .	The Second International Conference: Physiological, Biochemical and Molecular Arguments for Salt Tolerance University of Doha (Doha, Qatar, Emiratos Árabes Unidos)
2015/06	Carbon mitigation: a salt marsh ecosystem service in times of change.	13th International Symposium on Estuarine Biogeochemistry (IEBS 2015) (Bordeaux, França)
2014/07	Ecophysiological feedback of native and invasive <i>Spartina</i> species to extreme temperature events in Mediterranean marshes	4th International Conference on Invasive <i>Spartina</i> (Rennes, França)
2014/07	Native or introduced? The status of <i>Spartina versicolor</i> Fabre	4th International Conference on Invasive <i>Spartina</i> (Rennes, França)
2014/05	The impact of extreme temperature events on halophytic vegetation.	54th Estuarine & Coastal Sciences Association ECSA'54 (Sesimbra, Portugal)
2014/05	Impact of sediment heavy metal contamination on macrobenthic assemblages metrics in Tagus Estuary (Portugal).	54th Estuarine & Coastal Sciences Association ECSA'54 (Sesimbra, Portugal)

2014/05	Metal partitioning and availability in estuarine surface sediments: changes induced by filter feeding and detritivorous species	54th Estuarine & Coastal Sciences Association ECSA'54 (Sesimbra, Portugal)
2014/04	Haline comfort zone of two invasive species ( <i>Spartina versicolor</i> and <i>Cyperus longus</i> ) in Mediterranean marshes	COST Action FA0901 "From Genes to Ecosystems: Putting Halophytes to Work." Final Meeting (Coimbra, Portugal)
2012/12	Particulate metal distribution in Tagus Estuary (Portugal), during a flood episode.	VII Simpósio sobre a Margem Ibérica Atlântica MIA 2012 (Lisbon, Portugal)
2012/12	Biogeochemical drivers of phosphatase activity in salt marsh sediments.	VII Simpósio sobre a Margem Ibérica Atlântica MIA 2012 (Lisboa, Portugal)
2012/06	Photosynthesis, photosystem II kinetics and pigment composition in two salt stressed halophytes.	50th Estuarine & Coastal Sciences Association ECSA'50 (Veneza, Itália)
2012/06	<i>Scirpus maritimus</i> leaf pigment profile and photochemistry during senescence.	50th Estuarine & Coastal Sciences Association ECSA'50 (Veneza, Itália)
2011/07	Impact of underwater CO <sub>2</sub> rising on halophyte photosynthetic efficiencies.	Joint Meeting of Society of Wetlands Scientists (SWS), WETPOL and Wetland Biogeochemistry Symposium (Prague, República Checa)
2011/07	Sea level rise impact on sediment geochemistry and deposition rate along a 40-year chronosequence.	Joint Meeting of Society of Wetlands Scientists (SWS), WETPOL and Wetland Biogeochemistry Symposium (Prague, República Checa)
2011/07	Influence of heavy metal speciation in the uptake and translocation of different halophyte species.	Joint Meeting of Society of Wetlands Scientists (SWS), WETPOL and Wetland Biogeochemistry Symposium (Prague, República Checa)
2010/09	Sediment microbial activities and physic-chemistry as progress indicators of salt marsh restoration processes	Estuarine & Coastal Sciences Association ECSA 2010 (Figueira da Foz, Portugal)
2009/05	Role of Organic Acids in Assisted Phytoremediation Processes of Salt Marsh Sediments.	4th Annual Meeting of the European Chapter of the Society of Wetlands Scientists (SWS) "Progress and problems in wetland science - with a particular focus upon wetland restoration in Europe" (Berlin, Alemanha)

2008/09	Heavy metals and salt marsh sediment microbial activity.	43rd European Marine Biology Symposium (Ponta Delgada, Portugal)
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## Orientação

	Título/Tema Papel desempenhado	Curso (Tipo) Instituição / Organização
2019 - 2023	Can nanoparticles of heavy metals cause stress and bioaccumulation in coastal organisms?- a stress biomarker and histological approach Orientador	Biologia Marinha (Doutoramento) Universidade de Lisboa Faculdade de Ciências, Portugal
2019 - 2020	Multigenerational effects of simulated heat waves and acidification on the diatom <i>Phaeodactylum tricornutum</i> Orientador	Ciências do Mar (Mestrado) Universidade de Lisboa Faculdade de Ciências, Portugal
2019 - 2020	Direct and indirect uptake of pharmaceutical residues in a marine trophic segment Orientador	Ciências do Mar (Mestrado) Universidade de Lisboa Faculdade de Ciências, Portugal
2019 - 2020	Hypoxic thresholds for corals under present and future ocean conditions Coorientador	Ecologia Marinha (Mestrado) Universidade de Lisboa Faculdade de Ciências, Portugal
2018 - 2020	Avaliação do fitness fisiológica da <i>Lablab purpureus</i> cultivada em condições salinas Orientador	Mestrado em Biologia dos Recursos Vegetais (Mestrado) Universidade de Lisboa Faculdade de Ciências, Portugal
2018 - 2018	Metal induced cross-tolerance to abiotic stresses in halophytes Orientador	Ciências do Mar (Mestrado) Universidade de Lisboa Faculdade de Ciências, Portugal
2016 - 2017	Copper toxicity effects on the physiology of the model diatom <i>Phaeodactylum tricornutum</i> : dissolved versus engineered nano-particles (ENPs) forms Coorientador	Marine Biology (Mestrado) Università degli Studi di Pisa, Itália

## Organização de evento

	Nome do evento Tipo de evento (Tipo de participação)	Instituição / Organização
2019/02/27 - 2019/07/31	CLIMATE CHANGE AND THE OCEANS OF TOMORROW (2019/02/27 - 2019/07/31) Exposição (Membro da Comissão Científica)	Centro de Ciências do Mar e do Ambiente, Portugal

## Júri de grau académico

	Tema Tipo de participação	Nome do candidato (Tipo de grau) Instituição / Organização
2020	SYSTEMATIC STUDIES ON BIOACTIVITIES OF MANGROVES  Arguente	Malik Wajid Hussain Chan (Doutoramento) University of Karachi, Paquistão
2019	CARBON AND NUTRIENT STORAGE OF THE SWARTKOPS ESTUARY SALT MARSH AND SEAGRASS HABITATS.  Arguente	Jessica Els (Mestrado) Nelson Mandela University, África do Sul
2019	Impact del cambio climático sobre la ecofisiología y capacidad fitorremediadora de halitas  Arguente principal	Jesus Alberto Pérez-Romero (Doutoramento) Universidad de Sevilla, Espanha
2018	Fatty acids and lipid signaling in grapevine resistance to Plasmopara viticola  Arguente principal	Gonçalo Miguel Mendes Pais Costa Laureano (Mestrado) Universidade de Lisboa Faculdade de Ciências, Portugal
2018	Distribuição e fracionamento de ítrio e elementos terras raras em plantas halófitas	Filomena Margarida Malvar Cruces Rodrigo dos Santos (Mestrado) Universidade de Lisboa Instituto Superior Técnico, Portugal
2017	Potencial biotecnológico de Spartina marítima e inoculantes bacterianos para la recuperación de estuarios andaluces contaminados con metales pesados.  Arguente principal	Jennifer Mesa Marín (Doutoramento) Universidad de Sevilla, Espanha

## Comissão de avaliação

	Descrição da atividade Tipo de assessoria	Instituição / Organização	Entidade financiadora
2016 - Atual	Project Proposals Evaluator of the Portuguese Polar Program (PROPOLAR) for the Portuguese Foundation for Science and Technology (FCT)  Avaliador	Fundação para a Ciência e a Tecnologia, Portugal	Fundação para a Ciência e a Tecnologia, Portugal
2019 - 2020	Mora Fluviarium Young Scientist of Award Evaluator  Avaliador	Mora Fluviarium, Porto Rico	Mora Fluviarium, Porto Rico



2019 - 2019	Project Proposals Evaluator of the National Research Agency (ANR, France) Avaliador	Agence nationale de la recherche, França	Agence nationale de la recherche, França
2019 - 2019	Project Proposals Evaluator of the South African National Research Foundation (NRF) Avaliador	South African National Research Foundation (NRF), África do Sul	South African National Research Foundation (NRF), África do Sul
2018 - 2018	Research Project Proposal evaluator for the Italy-Israel joint research call of the Israel Ministry of Science and Technology Avaliador	Israel Ministry of Science and Technology, Israel	
2018 - 2018	Research Project Proposal evaluator for the Croatian Science Foundation (HRZZ) Avaliador	Hrvatska Zaklada za Znanost, Croácia	Hrvatska Zaklada za Znanost, Croácia
2017 - 2017	Research Project Proposal evaluator for the RESTORE Act Center of Excellence for Louisiana for research to support implementation of Louisiana's Coastal Master Plan (www.coastal.la.gov) Avaliador	RESTORE Act Center of Excellence for Louisiana , Estados Unidos	RESTORE Act Center of Excellence for Louisiana , Estados Unidos
2014 - 2014	Project Proposals Evaluator for the Hungarian Scientific Research Fund (OTKA) Avaliador	Országos Tudományos Kutatási Alapprogramok, Hungria	Országos Tudományos Kutatási Alapprogramok, Hungria

## Membro de comissão

	Descrição da atividade Tipo de participação	Instituição / Organização
2020 - Atual	Associate Editor of the journal Oceans Outro	Multidisciplinary Digital Publishing Institute AG, Suíça
2020 - Atual	Head of the Ecotoxicology and Biomonitoring Laboratory (BIOTOX) of the Marine and Environmental Sciences Centre (MARE). Coordenador	Centro de Ciências do Mar e do Ambiente, Portugal

2018 - Atual	Member of the University of Lisbon Pole of Marine and Environmental Sciences Centre (MARE) Coordination Board Membro	Centro de Ciências do Mar e do Ambiente, Portugal
2016 - Atual	Member of the Marine and Environmental Sciences Centre (MARE) Scientific Board Membro	Centro de Ciências do Mar e do Ambiente, Portugal
2015 - Atual	Review Editor in the Section Marine Pollution of the journal Frontiers in Marine Science Outro	Frontiers Media SA, Suíça
2015 - Atual	Review Editor in the Section Marine Pollution of the journal Frontiers in Environmental Science. Outro	Frontiers Media SA, Suíça
2014 - 2020	Laboratory manager of the Marine Botany Laboratory of the Marine and Environmental Sciences Centre (MARE) Membro	Centro de Ciências do Mar e do Ambiente, Portugal
2016 - 2016	Guest Editor of the Research Topic "Anthropogenic Impacts in Transitional Systems: Current Advances and Future Perspectives" in Frontiers in Marine Science, section Marine Pollution Outro	Frontiers Media SA, Suíça
2012 - 2014	Member of the Centre of Oceanography (Lisbon, Portugal) Scientific Board Membro	Universidade de Lisboa Centro de Oceanografia, Portugal
2012 - 2014	Laboratory manager of the Marine Botany Laboratory of Centre of Oceanography (Lisbon, Portugal) Membro	Universidade de Lisboa Centro de Oceanografia, Portugal
2011 - 2014	Member of the Laboratorial Safety and Hygiene commission of the Centre of Oceanography (Lisbon, Portugal) Membro	Universidade de Lisboa Centro de Oceanografia, Portugal

## Distinções

## Prémio

2012	Mora Fluvium Young Scientist of 2012 Award Mora Fluvium, Porto Rico
2011	Best Poster Award in the "Aquatic Microbiology" at the "Enzymes in the Environment: Activity, Ecology & Applications" Meeting (Bad Nauheim, Germany) North America Science Foundation, Estados Unidos
2010	Best Oral Communication Award at ECSA 2010 Estuarine & Coastal Sciences Association, Reino Unido