

Short CV | Maria João Tomé da Costa Sousa da Rocha

Current Position and Institutional Addresses: Assistant Professor at Institute of Biomedical Sciences Abel Salazar, Univ. Porto, Member of Dept of Microscopy and of Lab Histology and Embryology. Integrated researcher of PATH - Histomorphology, Physiopathology and Applied Toxicology Group, of Research Center CIIMAR – U.Porto.

Nationality: Portuguese. **Place of birth:** Porto, Portugal. **Year of birth:** 1967.

Qualifications (at University of Porto): Doctoral Degree in Biomedical Sciences. Licenciada (5 year-long baseline university degree) in Pharmacy.

Teaching topics: Toxicology (Aquatic and Environmental); Physiology and Endocrinology (Aquatic Animals); Histology and Embryology (Human).

Management experience: From 1996 up to 2014 she continuously served in managing bodies of High Institute of Health Sciences – North (ISCS-N), (CESPU). During the last period she was President, Vice-President of the Scientific Council. Since the foundation of CIIMAR research center, up to the present, she has been member of the Scientific Council.

Knowledge transfer: At PATH she developed and has been responsible for the development of chromatographic techniques for the evaluation of pollutants, such as natural and synthetic hormones, pesticides, PAHs and PCBs, in surface waters, sediments and aquatic animals

R&D Projects & supervision of post-graduate students: Supervised/co-supervised (finished) 11 MSc dissertations and 4 PhD theses. Was/is PI and team member of 23 funded projects, from national (FCT, ON.2, other) and European funding bodies.

Current research interests: Comparative physiology in the connection with toxicopathology, viz. (but not restrict to) gonads, liver, blood and immune system. Endocrine disruption in experimental and environmental monitoring, particularly in aquatic systems. Development of new techniques for the evaluation of emergent environmental pollutants.

Organisms covered in her studies: invertebrates (crustaceans, bivalves); teleost fish (marine, freshwater).

Selection of Scientific Outputs – Book editor

- 1 – Rocha MJ, Arukwe A and Kapoor BG (2007) Fish Reproduction. Science Publishers, Inc., Enfield, New Hampshire, USA. ISBN 978-1-57808-331-2.

Selection of Scientific Outputs – Chapters in books

- 2 – Rocha E, Rocha MJ, Monteiro RAF (2003) Seasonal Changes in Fish Hepatocytes and Correlations with the Endocrine System. In: Fish Adaptations. B.G. Kapoor and A.L. Val (editors). Science Publishers, Inc., Enfield, New Hampshire, USA, and Plymbridge Distributors Ltd., Plymouth, UK, pages 383-403.
- 3 – Rocha MJ, Rocha E (2006) Morphofunctional Aspects of Reproduction from Synchronous to Asynchronous fishes – An Overview. In: Fish Endocrinology. M. Reinecke, G. Zaccone G and B.G. Kapoor (Editors). Science Publishers Inc., Enfield, New Hampshire, USA, pages 571-624.
- 4 – Urbatzka R, Rocha MJ, Rocha E (2011) Regulation of Ovarian Development and Function in Teleosts. In: Hormones and Reproduction in Vertebrates – Volume 1 Fishes. David O. Norris and Kristin H. Lopez (Editors). Academic Press, pages 65-82.
- 5 – Rocha MJ, Rocha E (2015). Estrogenic compounds in estuarine and coastal water environments in Iberian western Atlantic coast and in Europe in general. Chapter 7. In: Toxicology. Andrazza AC, Scola G (Editors). InTech, Rijeka, Croatia, pages 153-193. ISBN 978-953-51-4185-3. DOI: 10.5772/59885.
- 6 – Cruzeiro C, Rocha E, Rocha MJ (2017) Pesticides in worldwide aquatic systems: multi-matrix analysis and potential risks. Chapter X. In: Estuary. William Froneman (Editor). ISBN 978-953-51-5470-9.

Selection of Scientific Outputs – Full-length papers in peer-review journals

- 7 – Rocha MJ, Reis-Henriques MA (1996) Plasma and urine levels of C18, C19, and C21 steroids in an asynchronous fish, the tilapia *Oreochromis mossambicus* (Teleostei, Cichlidae). Comparative Biochemistry and Physiology Part C: Pharmacology, Toxicology and Endocrinology, 115(3):257-264. DOI: 10.1016/S0742-8413(96)00133-8.
- 8 – Rocha MJ, Reis-Henriques MA (1998) Steroid metabolism by ovarian follicles of the tilapia *Oreochromis mossambicus* (Teleostei, Cichlidae). Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology, 121(1):85-90. DOI: 10.1016/S0305-0491(98)10130-X.
- 9 – Rocha MJ, Reis-Henriques MA (1999) Plasma levels of C18-, C19- and C21- steroids in captive and feral female sea bass *Dicentrarchus labrax*. Journal of Fish Biology, 55(1):26-34. DOI: 10.1111/j.1095-8649.1999.tb00653.x.
- 10 – Rocha MJ, Reis-Henriques MA (2000) Steroid metabolism by ovarian follicles of the sea bass (*Dicentrarchus labrax*). Comparative Biochemistry and Physiology Part C: Pharmacology Toxicology and Endocrinology, 125(1):85-91. DOI: 10.1016/S0742-8413(99)00094-8.
- 11 – Rocha MJ, Rocha E, Resende AD, and Lobo-da-Cunha A (2003) Measurement of peroxisomal enzyme activities in the liver of brown trout (*Salmo trutta*), using spectrophotometric methods. BMC Biochemistry, 4:1-9. DOI: 10.1186/1471-2091-4-2.
- 12 – Ribeiro C, Tiritan ME, Rocha E, Rocha MJ (2007) Development and validation of a HPLC-DAD method for determination of several endocrine disrupting compounds in estuarine water. Journal of Liquid Chromatography and Related Technologies, 30(18):2729–2746. DOI: 10.1080/10826070701560652.
- 13 – Ribeiro C, Tiritan ME, Rocha E, Rocha MJ (2009) Seasonal and spatial distribution of several endocrine-disrupting compounds in the Douro River estuary, Portugal. Archives of Environmental Contamination and Toxicology, 56(1):1-11. DOI: 10.1007/s00244-008-9158-x.
- 14 – Ribeiro C, Pardo MA, Martinho F, Margalho R, Tiritan ME, Rocha E, Rocha MJ (2009) Spatial distribution and quantification of endocrine-disrupting chemicals in Sado River estuary, Portugal. Environmental Monitoring and Assessment, 159(1-4):415-427. DOI: 10.1007/s10661-008-0639-1.
- 15 – Ribeiro C, Pardo MA, Tiritan ME, Margalho R, Rocha E, Rocha MJ (2009) Distribution of endocrine disruptors in the Mondego River estuary, Portugal. Environmental Monitoring and Assessment, 149(1):183-193. DOI 10.1007/s10661-008-0192-y.
- 16 – Rocha E, Rocha MJ, Galante MH, Silva MW, Monteiro RAF (2009) The hepatocytes of the brown trout (*Salmo trutta f. fario*): A stereological study of their number and size during the breeding cycle. Ichthyological Research, 56(1):43-54. DOI: 10.1007/s10228-008-0066-x.
- 17 – Castro LFC, Rocha MJ, Lobo-da-Cunha A, Batista-Pinto C, Machado A, Rocha E (2009) The 17 β -hydroxysteroid dehydrogenase 4: gender and seasonal gene expression in the liver of brown trout (*Salmo trutta f. fario*). Comparative Biochemistry and Physiology B - Biochemistry and Molecular Biology, 153(2):157-164. DOI: 10.1016/j.chroma.2009.08.060.
- 18 – Madureira T, Barreto J, Rocha MJ, Cass Q, Tiritan ME (2009) Pharmaceutical trace analysis in aqueous environmental matrices by liquid chromatography-ion trap mass spectrometry. Journal of Chromatography A, 1216(42): 7033-7042. DOI: 10.1016/j.chrom.2009.02.015.
- 19 – Madureira T, Rocha MJ, Cass Q, Tiritan ME (2010) Development and optimization of a HPLC-DAD method for the determination of diverse pharmaceuticals in estuarine surface waters. Journal of Chromatographic Science, 48(3):176-182. DOI: 10.1093/chromsci/48.3.176.
- 20 – Rocha E, Rocha MJ, Lobo-da-Cunha A, Galante MH, Monteiro RAF (2010) The hepatocytes of the brown trout (*Salmo trutta f. fario*): A stereological study of some cytoplasmic components during the breeding cycle. Microscopy Research and Technique, 73(8):766-778. DOI: 10.1002/jemt.20820.
- 21 – Madureira T, Barreiro J, Rocha MJ, Rocha E, Cass Q, Tiritan ME (2010) Spatiotemporal distribution of pharmaceuticals in the Douro River estuary (Portugal). Science of Total Environment, 408(22):5513-5520. DOI:10.1016/j.scotenv.2010.07.069.

- 22 – Rocha MJ, Ribeiro C, Ribeiro M (2011) Development and optimization of a GC-MS method for the evaluation of oestrogens and persistent pollutants in river and seawater samples. *International Journal of Environmental Analytical Chemistry*, 91(12):1191-1205. DOI: 10.1080/03067319.2010.496043.
- 23 – Rocha MJ, Rocha E, Cruzeiro C, Ferreira PC, Reis PA (2011) Determination of polycyclic aromatic hydrocarbons in coastal sediments from the Porto region (Portugal) by microwave-assisted extraction, followed by SPME and GC-MS. *Journal of Chromatographic Science*, 49(9):695-701. DOI: 10.1093/chrscl/49.9.695.
- 24 – Madureira TV, Rocha MJ, Cruzeiro C, Oliveira MH, Monteiro RAF, Rocha E (2011) The toxicity potential of pharmaceuticals found in the Douro River (Portugal): Assessing impacts on gonadal maturation with a histopathological and stereological study of zebrafish ovary and testis after sub-acute exposures. *Aquatic Toxicology*, 105(3-4):292-299. DOI: 10.1016/j.aquatox.2011.06.017.
- 25 – Madureira TV, Cruzeiro C, Rocha MJ, Rocha E (2011) The toxicity potential of pharmaceuticals found in the Douro River estuary (Portugal) — Experimental assessment using a zebrafish embryo test. *Environmental Toxicology and Pharmacology*, 32(2):212-217. DOI: 10.1080/03067319.2010.496043.
- 26 – Rocha MJ, Ribeiro M, Cruzeiro C, Figueiredo F, Rocha E (2012) Development and validation of a GC-MS method for determination of 39 common pesticides in estuarine water – targeting hazardous amounts in the Douro River estuary. *International Journal of Environmental Analytical Chemistry*, 92(14):1587-1608. DOI: 10.1080/03067319.2011.581366.
- 27 – Ribeiro C, Urbatzka R, Castro LF, Rocha E, Carrola J, Fontainhas-Fernandes A, Rocha MJ (2012) In vitro exposure of Nile tilapia (*Oreochromis niloticus*) testis to estrogenic endocrine disrupting chemicals: mRNA expression of genes encoding steroidogenic enzymes. *Toxicology Mechanisms and Methods*, 22(1):47-53. DOI: 10.3109/15376516.2011.593053.
- 28 – Rocha MJ, Cruzeiro C, Ferreira C, Rocha E (2012) Occurrence of endocrine disruptor compounds in the estuary of the Iberian Douro River and nearby Porto Coast (NW Portugal). *Toxicological and Environmental Chemistry*, 94(2):252-261. DOI: 10.1080/02772248.2011.642874.
- 29 – Rocha MJ, Ribeiro M, Ribeiro C, Cruzeiro C, Rocha E (2012) Endocrine disruptors in the Leça River and nearby Porto Coast (NW Portugal): presence of estrogenic compounds and hypoxic conditions. *Toxicological and Environmental Chemistry*, 94(2):262-274. DOI: 10.1080/02772248.2011.644291.
- 30 – Urbatzka R, Rocha E, Reis B, Cruzeiro C, Monteiro RAF, Rocha MJ (2012) Effects of ethynylestradiol and of an environmentally relevant mixture of xenoestrogens on steroidogenic gene expression and specific transcription factors in zebrafish. *Environmental Pollution*, 164(1):28-35. DOI: 10.1002/jemt.21040.
- 31 – Jordanova M, Rocha MJ, Rebok K, Rocha E (2012) Changes in the amount of kidney pigmented macrophage aggregates throughout the breeding cycle of female Ohrid trout, *Salmo letnica* Kar (Teleostei, Salmonidae). *Microscopy Research and Technique*, 75(2):176-181. DOI: 10.1002/jemt.21040.
- 32 – Madureira TV, Rocha MJ, Cruzeiro C, Rodrigues I, Monteiro RAF, Rocha E (2012) The toxicity potential of pharmaceuticals found in the Douro River estuary (Portugal): Evaluation of impacts on fish liver, by histopathology, stereology, vitellogenin and CYP1A immunohistochemistry, after sub-acute exposures of the zebrafish model. *Environmental Toxicology and Pharmacology*, 34(1):34-45. DOI: 10.1002/jemt.21040.
- 33 – Silva P, Rocha MJ, Cruzeiro C, Malhão F, Reis B, Urbatzka R, Monteiro RAF, Rocha E (2012) Testing the effects of ethynylestradiol and of an environmentally relevant mixture of xenoestrogens as found in the Douro River (Portugal) on the maturation of fish gonads – A stereological study using the zebrafish (*Danio rerio*) as model. *Aquatic Toxicology*, 124(125):1-10. DOI:10.1016/j.aquatox.2012.07.002.
- 34 – Rocha MJ, Cruzeiro C, Reis M, Rocha E, Pardal MA (2013) Determination of 17 endocrine disruptor compounds and their spatial and seasonal distribution in the Sado River Estuary (Portugal). *Toxicological and Environmental Chemistry*, 95(2):237-253. DOI: 10.1080/02772248.2012.758730.
- 35 – Rocha MJ, Cruzeiro C, Rocha E (2013) Quantification of 17 endocrine disruptor compounds and their spatial and seasonal distribution in the Iberian Ave River and its coastline. *Toxicological and Environmental Chemistry*, 95(3):386-399. DOI: 10.1080/02772248.2013.773002.
- 36 – Rocha MJ, Cruzeiro C, Reis M, Rocha E, Pardal MA (2013) Determination of 17 endocrine disruptor compounds and their spatial and seasonal distribution in Ria Formosa Lagoon (Portugal). *Environmental Monitoring and Assessment*, 185(10):8215-8226. DOI: 10.1007/s10661-013-3168-5.
- 37 – Rocha MJ, Cruzeiro C, Rocha E (2013) Development and validation of a GC-MS method for the evaluation of 17 endocrine disruptor compounds, including phytoestrogens and sitosterol, in coastal waters - their spatial and seasonal levels in Porto coastal region (Portugal). *Journal of Water and Health*, 11(2):281-296. DOI: 10.2166/wh.2013.021.
- 38 – Jordanova M, Rocha MJ, Rebok K, Rocha E (2013) Variations in the volumes of parenchyma and stroma of the liver and in the cytology of hepatocytes are associated with gonadal stages in female Ohrid trout (*Salmo letnica*). *Ichthyological Research*, 60(1):26-35. DOI 10.1007/s10228-012-0302-2.
- 39 – Castro LFC, Alexandre Lobo-da-Cunha A, Rocha MJ, Urbatzka R, Rocha E (2013) PEX11 α in brown trout (*Salmo trutta f. fario*): Expression dynamics during the reproductive cycle. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 164(1):207-214. DOI: 10.1016/j.cbpa.2012.09.003.
- 40 – Madureira T, Velhote S, Santos C, Cruzeiro C, Rocha E, Rocha MJ (2014) A step forward using QuEChERS (Quick, Easy, Cheap, Effective, Rugged, and Safe) based extraction and gas chromatography-tandem mass spectrometry – Levels of priority polycyclic aromatic hydrocarbons in wild and commercial mussels. *Environmental Science and Pollution Research*, 21(9):6089-6098. DOI: 10.1007/s11356-014-2510-y.
- 41 – Madureira T, Santos C, Velhote S, Cruzeiro C, Rocha E, Rocha MJ (2014) Contamination levels of polychlorinated biphenyls in wild versus cultivated samples of female and male mussels (*Mytilus* sp.) from the Northwest Coast of Iberian Peninsula-new application for QuEChERS (Quick, Easy, Cheap, Effective, Rugged, and Safe) methodology. *Environmental Science and Pollution Research*, 21(2):1528-1540. DOI: 10.1007/s11356-013-2017-y.
- 42 – Rocha MJ, Cruzeiro C, Reis M, Pardal MA, Rocha E (2014) Spatial and seasonal distribution of 17 endocrine disruptor compounds in an urban estuary (Mondego River, Portugal): evaluation of the estrogenic load of the area. *Environmental Monitoring and Assessment*, 186(6):3337-3350. DOI: 10.1007/s10661-014-3621-0.
- 43 – Rocha MJ, Cruzeiro C, Peixoto C, Rocha E (2014) Annual fluctuations of endocrine disrupting compounds at the lower end of the Lima River, Portugal, and in adjacent coastal waters. *Archives of Environmental Contamination and Toxicology*, 67:389-401. DOI: 10.1007/s00244-014-0063-1.
- 44 – Tantiwisawaruij S, Rocha E, Kovitvadi U, Rocha MJ (2014) The bivalve nervous system and its relevance for the physiology of reproduction. *Indian Journal of Anatomy*, 3:227-241. ISSN: 2320-0022.
- 45 – Sousa ML, Silva A, Malhão F, Rocha MJ, Rocha E, Urbatzka R (2014) Viability analysis of oocyte-follicle complexes and gonadal fragments of zebrafish as baseline for toxicity testing. *Toxicology Mechanisms and Methods*, 24(1):42-49. DOI: 10.3109/15376516.2013.846952.
- 46 – Carrola J, Santos N, Rocha MJ, Fontainhas-Fernandes A, Pardal MA, Monteiro RAF, Rocha E (2014) Frequency of micronuclei and of other nuclear abnormalities in erythrocytes of the grey mullet from the Mondego, Douro and Ave estuaries – Portugal. *Environmental Science and Pollution Research*, 21(9):6057-6068. DOI: 10.1007/s11356-014-2537-0.
- 47 – Couto CM, Pinto I, Madureira TV, Rocha MJ, Tiritan ME, Lopes JA, Almeida AA (2014) Lower Douro River basin (Portugal) water quality – Focus on trace element changes and anthropogenic sources of contamination. *Global NEST Journal*, 16(2):252-268. ISSN: 1790-7632.
- 48 – Cruzeiro C, Rocha E, Pardal MA, Rocha MJ (2015) Uncovering seasonal patterns of 56 pesticides in surface coastal waters of the Ria Formosa lagoon (Portugal), using a GC-MS method. *International Journal of Environmental Analytical Chemistry* 95(14): 1370-1384. DOI: 10.1080/03067319.2015.1100724.
- 49 – Rocha MJ, Cruzeiro C, Reis M, Pardal MA, Rocha E (2015) Toxicological relevance of endocrine disruptors in the Tagus River estuary (Lisbon, Portugal). *Environmental Monitoring and Assessment*, 187(8):1-16. 187(8):483. DOI: 10.1007/s10661-015-4679-z.
- 50 – Cruzeiro C, Reis M, Pardal MA, Rocha E, Rocha MJ (2015) Occurrence and seasonal loads of pesticides in surface water and suspended particulate matter from a wetland of world-wide interest - the Ria Formosa Lagoon, Portugal. *Environmental Monitoring and Assessment*, 187(11):669. DOI: 10.1007/s10661-015-4824-8.
- 51 – Sousa ML, Silva A, Malhão F, Rocha MJ, Rocha E, Urbatzka R (2015) Reproductive hormones affect follicular cells and ooplasm of Stage I and II oocytes in zebrafish. *Reproduction, Fertility and Development* 150(5):429-436. DOI: 10.1530/REP-15-0271.
- 52 – Sousa ML, Silva A, Malhão F, Rocha MJ, Rocha E, Urbatzka R (2015) Morphological and molecular effects of cortisol and ACTH on zebrafish stage I and II follicles. *Reproduction*, 150(5):429-436. DOI: 10.1530/REP-15-0271.
- 53 – Cruzeiro C, Rocha E, Pardal MA, Rocha MJ (2016) Environmental assessment of pesticides in the Mondego River Estuary (Portugal). *Marine Pollution Bulletin*, 103(1-2):240-246. DOI:10.1016/j.marpolbul.2015.12.013.
- 54 – Cruzeiro C, Rocha E, Pardal MA, Rocha MJ (2016) Seasonal-spatial survey of pesticides in the most significant estuary of the Iberian Peninsula—The Tagus River Estuary. *Journal of Cleaner Production* 126: 419-427. DOI: 10.1016/j.jclepro.2016.03.005.
- 55 – Rocha MJ, Cruzeiro C, Reis M, Pardal MA, Rocha E (2016) Pollution by endocrine disruptors in a southwest European temperate coastal lagoon (Ria de Aveiro, Portugal). *Environmental Monitoring and Assessment* 188(2):101. DOI: 10.1007/s10661-016-5114-9.
- 56 – Rocha MJ, Cruzeiro C, Reis M, Pardal MA, Rocha E (2016) Pollution by endocrine disruptors in a south-western European river (Mira, Portugal). *Environmental Monitoring and*

Assessment 188(4):240. DOI: 10.1007/s10661-016-5236-0.

- 57 – Cruzeiro C, Oliveira N, Velhote S, Pardal MA, Rocha E, **Rocha MJ** (2016) Development and application of a QuEChERS-based extraction method for the analysis of 55 pesticides in the bivalve *Scrobicularia plana* by GC-MS/MS. *Analytical and Bioanalytical Chemistry* 408(14):3681-3698. DOI: 10.1007/s00216-016-9440-0.
- 58 – Cruzeiro C, Lopes-Marques M, Ruivo R, Rodrigues-Oliveira N, Santos MM, **Rocha MJ**, Rocha E, Castro LFC (2016) A mollusk VDR/PXR/CAR-like (NR1J) nuclear receptor provides insight into ancient detoxification mechanisms. *Aquatic Toxicology* 174: 61-69. DOI: 10.1016/j.aquatox.2016.02.007.
- 59 – Jordanova M, Rebok K, Malhão F, **Rocha MJ**, Rocha E (2016) Seasonal changes in hepatocytic lipid droplets, glycogen deposits and rough endoplasmic reticulum along the natural breeding cycle of female Ohrid trout (*Salmo letnica* Kar.) —A semi-quantitative ultrastructural study. *Microscopy Research and Technique* 79:700-706. DOI: 10.1002/jemt.22687.
- 60 – Cruzeiro C, Pardal MA, Rodrigues-Oliveira N, Castro LFC, Rocha E, **Rocha MJ** (2016) Multi-matrix quantification and risk assessment of pesticides in the longest river of the Iberian Peninsula. *Science of the Total Environment* 5672:263-272. DOI: 10.1016/j.scitotenv.2016.07.203.
- 61 – Cardoso PG, Rodrigues D, Madureira TV, Oliveira N, **Rocha MJ**, Rocha E (2017) Warming modulates the effects of the endocrine disruptor progestin levonorgestrel on the zebrafish fitness, ovary maturation kinetics and reproduction success. *Environmental Pollution* 229:300-311. DOI: 10.1016/j.envpol.2017.05.090.
- 62 – Cruzeiro C, Amaral S, Rocha E, **Rocha MJ** (2017) Determination of 54 pesticides in waters of the Iberian Douro River estuary and risk assessment of environmentally relevant mixtures using theoretical approaches and *Artemia salina* and *Daphnia magna* bioassays. *Ecotoxicology and Environmental Safety* 145:126-134. DOI: 10.1016/j.ecoenv.2017.07.010.
- 63 – **Rocha MJ**, Dores-Sousa JL, Cruzeiro C, Rocha E (2017) PAHs in water and surface sediments from Douro River estuary and Porto Atlantic coast (Portugal) - Impacts on human health. *Environmental Monitoring and Assessment* 189:425. DOI 10.1007/s10661-017-6137-6.
- 64 – Tantiwisawarujji S, Kovitvadhi U, Pardal MA, **Rocha MJ**, Rocha E (2017) Qualitative and quantitative insights into the 3D-microanatomy of the nervous ganglia of the peppery furrow shell (*Scrobicularia plana*). *Molluscan Research (in press)*. DOI: 10.1080/13235818.2017.1368914.
- 65 – Tantiwisawarujji S, Malhão F, Lopes C, Silva A, Kovitvadhi U, Pardal MA, **Rocha MJ**, Rocha E (2017) Overview of the neurocytology of ganglia and identification of putative serotonin- and dopamine-secreting neurons in the bivalve peppery furrow shell (*Scrobicularia plana*). *Journal of Shellfish Research (in press)*. DOI: 10.2983/35.036.0300.
- 66 – Cardoso PG, Loganimoce EM, Neuparth T, Rocha MJ, Rocha E, Arenas F (2017) Interactive effects of increased temperature, pCO₂ and the synthetic progestin levonorgestrel on the fitness and breeding of the amphipod *Gammarus locusta*. *Environmental Pollution (in press)*

Final Note: updates in the publication record can be seen over time at <http://orcid.org/0000-0002-8688-8033>.