

Curriculum vitae



Name	João Faria	
Address	University of Azores, Faculty of Sciences and Technology, Department of Biology, Ponta Delgada campus, 9501-801 Ponta Delgada	
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Education and Training

2018 - PhD in Biology, University of Lisbon, Faculty of Sciences; Supervisors: Ana I Neto ana.im.neto@uac.pt, Pedro Ribeiro pedro.ma.ribeiro@uac.pt, Stephen J. Hawkins S.J.Hawkins@soton.ac.uk

2012 - MSc in Biodiversity, Genetics and Evolution, University of Porto, Faculty of Sciences; Supervisors: Marcos Perez-Losada mlosada@mail.icav.up.pt; Elsa Froufe efroufe@ciimar.up.pt

2008 - Degree in Environmental Biology – Marine Resources, University of Lisbon, Faculty of Sciences

Courses and Workshops

2018 - Microbial metagenomics: A 360° approach (European Molecular Biology Organization)

2011 - Model-based Inference of Population Structure (Instituto Gulbenkian de Ciência)

2011 - EBI Bioinformatics Roadshow (European Bioinformatics Institute/ CIBIO)

2010 - Phylogeography - state of the art (CIBIO)

2009 - Introduction to Phylogenetic Computing and Analysis (CIBIO)

2008 - 2nd Real-Time PCR Course (Escola Superior de Tecnologia da Saúde de Lisboa)

2005 - 3th Biorock Workshop in Pemuteran, Bali, Indonésia (Global Coral Reef Alliance)

2004 - Coral Reef Ecology Course (ITEC – Institute for Tropical Ecology and Conservation)

Grants and Awards

2017 – Support to scientific publications; Fundo Regional da Ciência e Tecnologia do Governo dos Açores (M3.3.C/EDIÇÕES/033/2017)

2012 | 2016 – PhD Grant; Fundo Regional da Ciência e Tecnologia do Governo dos Açores (M3.1.2/F/021/2011).

2010 | 2012 – Research Grant; Fundo Regional da Ciência e Tecnologia do Governo dos Açores (M3.1.6/I/154/2009).

2010 – Participation in scientific meetings; Fundo Regional da Ciência e Tecnologia do Governo dos Açores (M3.2.1/I/144/2010)

2008 |2009 - Grant Estagiari L - Direcção Regional do Trabalho e Qualificação Profissional do Governo dos Açores, São Miguel.

Work Experience

2019 | 2021 – Research contract in ACORES-01-0145-FEDER-000112. Project designation: 3B-vent – Biodiversity, Biological interactions and Biotechnological products of coastal hydrothermal vents in Azores (2019-2022)

2017 | 2018 – Research contract in ACORES-01-0145-FEDER-00060. Project designation: ASPAZOR - Ecosystem impacts and socioeconomic benefits of *Asparagopsis armata* in the Azores (2016 - 2019).

2012 | 2016 – PhD student; Azorean Biodiversity Group of the Centre for Ecology, Evolution and Environmental Changes (cGBA/cE3c).

2010 | 2012 – Researcher at Centro de Investigação de Recursos Naturais (CIRN) supported through grant M3.1.6//154/2009; Fundo Regional da Ciência e Tecnologia do Governo dos Açores. Theme: Biology of freshwater fishes in Azores.

2008 |2009 –ESTAGIAR L at University of Azores/ CIIMAR - Interdisciplinary Centre of Marine and Environmental Research. Theme: Macrofauna assemblages in coastal rocky reefs: effects of sediment and predation.

2006 |2007 – Research assistant at Netherlands Instituut voor Onderzoek der Zee (NIOZ) and Caribbean Research and Management of Biodiversity (CARMABI). Theme: Genetic variation of *Symbiodinium* in the Caribbean coral genus *Madracis*; Testing molecular genetic markers for the coral Genus *Madracis* (Cnidaria: Anthozoa).

2005 |2006 |2007 | 2008 – Biologist, Deckmate e Skipper at Futurismo – Azores Whale Watching

Additional information

Book chapters

(1) Hawkins SJ *et al* (2019) The intertidal zone of the Northeast Atlantic Region: patterns and processes. In Hawkins SJ, K Bohn, LB Firth, GA Williams (eds) *Interactions in the Marine Benthos Global Patterns and Processes*, Cambridge University Press.

Research articles

(16) Martins GM, C Harley, **J Faria**, M Vale, SJ Hawkins, AI Neto, F Arenas (accepted) Direct and indirect effects of climate change squeeze the local distribution of a habitat-forming seaweed. *Marine Biology Progress Series* 626: 43-52.

(15) Kellaris A, **J Faria**, I Moreu, R Amaral, A Gil, A Neto, C Yesson (2019). Using low-cost drones to monitor heterogeneous submerged seaweed habitats: a case study in the Azores
Journal: *Aquatic Conservation: Marine and Freshwater Ecosystems*.

(14) Martins GM, E Cacabelos, **J Faria**, N Álvaro, ACL Prestes, AI Neto (2019). Patterns of distribution of the invasive alga *Asparagopsis armata* Harvey: a multi-scaled approach. *Aquatic Invasions*.

(13) Cacabelos E, **J Faria**, GM Martins, C Mir, MI Parente, D Gabriel, R Sánchez, M Altamirano, AC Costa, WF Prud'homme van Reine, AI Neto (2019). First record of *Caulerpa prolifera* in the Azores (NE Atlantic). *Botanica Marina* 62(2): 155-160.

(12) **Faria, J**, Pita A, GM Martins, PA Ribeiro, SJ Hawkins, P Presa, AI Neto. 2017. Inbreeding in the exploited limpet *Patella aspera* across the Macaronesia archipelagos (NE Atlantic): Implications for conservation. *Fisheries Research* 198: 180-188.

(11) **Faria, J**, GM Martins, Pita A, PA Ribeiro, SJ Hawkins, P Presa, AI Neto. 2017. Disentangling the genetic and morphological structure of *Patella candei* complex in Macaronesia (NE Atlantic). *Ecology and Evolution* 7(16): 6125–6140.

(10) **Faria, J**, A Pita, M Rivas, GM Martins, SJ Hawkins, P Ribeiro, AI Neto, P Presa. 2016. A multiplex microsatellite tool for conservation genetics of the endemic limpet *Patella candei* in the Macaronesian archipelagos. *Aquatic Conservation: Marine and Freshwater Ecosystems* 26(4): 775-781.

(9) Froufe, E, V Prié, **J Faria**, M Ghamizi, DV Gonçalves, ME Gurlek, I Karaouzas, U Kebapçı, H Sereflisan, C Sobral, R Sousa, A Teixeira, S Varandas, S Zogaris, M Lopes-Lima. 2016. Phylogeny, phylogeography, and evolution in the Mediterranean region: news from a freshwater mussel (Potomida, Unionida). *Molecular Phylogenetics and Evolution* 100: 322-332.

- (8) Hawkins, SJ, K Bohn, DW Sims, P Ribeiro, **J Faria**, P Presa, A Pita, GM Martins, AI Neto, MT Burrows, MJ Genner. 2016. Fisheries stocks from an ecological perspective: Disentangling ecological connectivity from genetic interchange. *Fisheries Research* 179: 333-341.
- (7) **Faria, J**, M Rivas, GM Martins, SJ Hawkins, P Ribeiro, A Pita, AI Neto, P Presa. 2015. A new multiplexed microsatellite tool for metapopulation studies in the overexploited endemic limpet *Patella aspera* (Röding, 1798). *Animal Genetics* 46(1): 96-97.
- (6) Martins, GM, **J Faria**, M Furtado, AI Neto. 2014. Shells of *Patella aspera* as 'islands' for epibionts. *Journal of the Marine Biological Association of the United Kingdom* 94(5): 1027-1032.
- (5) **Faria, J**, M Pérez-Losada, P Cabezas, P Alexandrino, E Froufe. 2014. Multiplexing of novel microsatellite loci for the vulnerable slipper lobster *Scyllarus arctus* (Linnaeus, 1758). *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology* 321(2): 119-123.
- (4) Martins, GM, **J Faria**, M Rubal, AI Neto. 2013. Linkages between rocky reefs and soft-bottom habitats: effects of predation and granulometry on sandy macrofaunal assemblages. *Journal of Sea Research* 81: 1-9.
- (3) **Faria, J**, E Froufe, F Tuya, P Alexandrino, M Pérez-Losada. 2013. Panmixia in the endangered slipper lobster *Scyllarides latus* from the Northeastern Atlantic and Western Mediterranean. *Journal of Crustacean Biology* 33(4): 557-566.
- (2) Frade, P, N Englebort, **J Faria**, PM Visser & RPM Bak. 2008. Distribution and photobiology of *Symbiodinium* types in different light environments for three color morphs of the coral *Madracis pharensis*: is there more to it than total irradiance? *Coral reefs* 27(4): 913-925.
- (1) Frade P, C Reyes-Nivia, **J Faria**, J Kandorp, P Luttkhuizen & RPM Bak. 2010. Semi-permeable species boundaries in the coral genus *Madracis*: Introgression in a brooding coral system. *Molecular Phylogenetics and Evolution* 57: 1072-1090.

Other articles

Faria J, P Ribeiro, SJ Hawkins, AI Neto. 2013. Conectividade em populações de lapas nas ilhas da Macaronésia (Atlântico-NE): uma abordagem multidisciplinar. Livro de atas "Ciência nos Açores – que futuro?". Governo dos Açores. FRC. Ponta Delgada: pp175-180.

Thesis/ reports

Faria J, 2018. *Ecological, biological and molecular considerations towards the sustainable exploitation of limpets in Macaronesia (NE-Atlantic)*. PhD Thesis, Universidade de Lisboa, Portugal.

Faria J, 2012. *Population structure and genetic diversity of three marine lobsters from NE Atlantic and Mediterranean*. MRes Thesis, Universidade do Porto, Portugal.

Faria J, 2007. *Genetic Variation of Symbiodinium in the Caribbean Coral Genus Madracis*. Royal Netherlands Institute for Sea Research (NIOZ)/ Caribbean Research and Management of Biodiversity (CARMABI).

Faria J, 2007. *Testing Molecular Genetic Markers for the Coral Genus Madracis (Cnidaria: Anthozoa)*. Royal Netherlands Institute for Sea Research (NIOZ)/ Caribbean Research and Management of Biodiversity (CARMABI).

Faria J, 2005. *Coral coverage of target species in a fringing coral reef of Isla Colon, Panama, near Punta Caracol: applicability of the Point-Centered Quarter method*. Institute for Tropical Ecology and Conservation (ITEC) Coral Reef Ecology Course.

Communications (oral)/ Talks

(6) Neto AI, Cacabelos E, **Faria J**, Moreu I, Prestes ACL, Azevedo JMN & Martins GM. Impactos das Alterações Climáticas nas Comunidades Intertidais dos Açores. Ciclo de Palestras sobre as Alterações Climáticas "Impactos das Alterações Climáticas na Sociedade Açoriana", Salão Nobre da Câmara Municipal de Angra do Heroísmo, Terceira, Açores, Portugal, 18 de abril.

(5) **Faria, J**. 2015. Dispersal and connectivity of limpets in the Azores (NE Atlantic). Aquatic Biodiversity & Ecosystems: Evolution, Interactions & Global Change. University of Liverpool, 30 August – 4 September. Liverpool, UK.

(4) **Faria, J**. 2015. Larval development of the limpet *Patella candei*: the effect of temperature. 3CBIO Training Series, 4 April, Ponta Delgada, Portugal.

(3) **Faria, J**. 2014. Connectivity in Azorean limpets: towards a conservation approach. National Oceanography Centre Southampton. 25 March, Southampton, UK

(2) **Faria, J**. 2014. *PatelGene* – Genetic structure of Azorean limpets: Implications for conservation and marine protected areas. Ecology and Conservation of *Patella* in the Azores Seminar. 7 March, Ponta Delgada, Açores, Portugal.

(1) Frade PR, MC Reyes-Nivia, **J Faria**, JA Kaandorp, PC Luttkhuizen, RPM Bak. 2010. The coral genus *Madracis*: molecular systematics, introgressive hybridization and an evolutionary perspective on coral-symbiont associations. Euro ISRS Symposium 2010: Reefs in a changing environment. Wageningen 12-17 December.

Communications (poster)

- (15) Prestes A, I Moreu, **J Faria**, G Martins, E Cacabelos, AI Neto. 2018. Long-term changes in the structure of macroalgal communities in the Azores. FloraMac 2018, 12-15 September, Madeira, Portugal.
- (14) **Faria J**, A Pita, GM Martins, PA Ribeiro, SJ Hawkins, P Presa, AI Neto. 2017. What is leading to homozygote excess in the limpet *Patella aspera* across the Macaronesia archipelagos (NE Atlantic)? Frontiers in E3: cE3c 2017 Annual Meeting, 5-6 June. Ponta Delgada, Azores, Portugal.
- (13) Moreu I, M Pastor, AI Neto, GM Martins, **J Faria**. 2016. Can local assemblages mediate the recruitment of limpets and barnacles? A time-series survey in Azores (NE Atlantic). Island Biology 2016, 18-22 July. Angra do Heroísmo, Azores, Portugal.
- (12) **Faria, J**, M Coca, SJ Hawkins, P Ribeiro, AI Neto, GM Martins. 2015. Temporal variation in limpet and barnacle recruitment in Azores (NE Atlantic). Aquatic Biodiversity & Ecosystems: Evolution, Interactions & Global Change. University of Liverpool, 30 August – 4 September. Liverpool, UK.
- (11) Cacabelos, E, GM Martins, R Thompson, ACL Prestes, **J Faria**, JMN Azevedo, AI Neto. 2015. Habitat slope, cause of differences in epibiota at artificial structures?. Aquatic Biodiversity & Ecosystems: Evolution, Interactions & Global Change. University of Liverpool, 30 August – 4 September. Liverpool, UK.
- (10) **Faria, J**. 2014. Evidence for inbreeding in an overexploited limpet (*Patella aspera*) in Azores (NE Atlantic). Seminário 3Bs. 16 June, Ponta Delgada, Azores, Portugal.
- (9) **Faria, J**, P Presa, GM Martins, P Ribeiro, AI Neto. 2014. Genetic population structure and connectivity of Azorean limpets. Ocean Sciences Meeting. 23- 28 February, Honolulu, USA.
- (8) **Faria, J**, P Ribeiro, GM Martins, M Rivas, S Hawkins, P Presa, AI Neto. 2014. Conservation of limpet populations: a heavily exploited resource in Azores, NE-Atlantic. International Temperate Reefs Symposium. 12- 17 January, Perth, Australia.
- (7) **Faria, J**, GM Martins, M Furtado, AI Neto. 2013. Shells of the limpet *Patella aspera* as habitat for epibionts. World Congress of Malacology. 21- 28 July, Ponta Delgada, Azores, Portugal.
- (6) Rivas, M, **J Faria**, P Ribeiro, P Presa, GM Martins, AI Neto. 2013 Development and characterization of microsatellite loci for the harvested limpets *Patella candei* (D'Orbigny, 1839) and *Patella aspera* (Roding, 1798) using 454 sequencing. World Congress of Malacology. 21- 28 July, Ponta Delgada, Azores, Portugal.
- (5) Martins, GM, **J Faria**, M Furtado, M Enes, AI Neto. 2013. Shell variation in patellid limpets: Scales of spatial variability. World Congress of Malacology. 21- 28 July, Ponta Delgada, Azores, Portugal.
- (4) **Faria, J**, M Pérez-Losada, E Froufe. 2013. Low genetic differentiation in three exploited crustaceans from NE Atlantic/ Mediterranean – Conservation and management implications. The Crustacean Society. Summer Meeting, Costa Rica, San José 7-11 July.
- (3) **Faria, J**, P Ribeiro, AI Neto. 2013. Variabilidade genética, conectividade e resiliência de populações de lapas nas ilhas da Macaronésia (Atlântico-NE). Jornadas “Ciência nos Açores – que futuro?”. 7-8 Junho, Ponta Delgada, Portugal.
- (2) **Faria, J**, AJS Winkelhagen, F Vermeulen, P Bongaerts, PR Frade and RPM Bak. 2010. Assessing symbiont dynamics and intra-colony variation in *Madracis mirabilis*. Euro ISRS Symposium 2010: Reefs in a changing environment. Wageningen 12-17 December.
- (1) Azevedo, JMN, A Prestes, **J Faria**. 2010. Mark-recapture quantification essay of the fish fauna of Azores lakes – Drawbacks and ecological implications. XV Congresso da Associação Ibérica de Limnologia. 5-9 July, Ponta Delgada, Portugal.

Participation in funded projects

- (3) 3B-vent - Biodiversity, Biological interactions and Biotechnological products of coastal hydrothermal vents in Azores (2019-2022). DRCT: ACORES-01-0145-FEDER-000112. Funded by PO Açores 2020.
- (2) ASPAZOR - Ecosystem impacts and socioeconomic benefits of *Asparagopsis armata* in the Azores (2016 - 2019). DRCT: ACORES-01-0145-FEDER-00060. Funded by PO Açores 2020.
- (1) PatelGene - Genetic structure of Azorean limpets: implications for conservation and marine protected areas (2011 - 2013). PTDC/BIA-BIC/115837/2009. Funded by Fundação para a Ciência e Tecnologia.

Outreach

- (6) Cacabelos E, **J Faria**, A Prestes, AI Neto. 2017. Impacte para o ecossistema e benefícios socioeconómicos da alga exótica *Asparagopsis armata* nos Açores. Açores Magazine, 12 Novembro, 28-29p.

- (5) **Faria J**, NV Alvaro, T Costa, JMN Azevedo, AI Neto. 2016. Guide to Vila Franca do Campo Islet. Centre for Ecology, Evolution and Environmental Changes ABG-cE3c.
- (4) Fernandez M, **J Faria**, M Cravinho, AI Neto, JMN Azevedo. 2016. Azores cetaceans field guide. Centre for Ecology, Evolution and Environmental Changes ABG-cE3c.
- (3) Martins GM, **J Faria**. 2014. Lapas: pequenas 'ilhas' de diversidade. Açores Magazine, 16 Fevereiro, 26-27p.
- (2) **Faria J**, P Ribeiro, AI Neto. 2013. Variabilidade genética, conectividade e resiliência de populações de lapas nas ilhas da Macaronésia (Atlântico-NE). European Researchers' Night. 27 September, Lagoa, Azores, Portugal.
- (1) **Faria J**. 2012. Conectividade marinha em crustáceos – Implicações para a sua conservação. Açores Magazine, 25 Novembro, 26-27p.

Student Supervision	<p>7 students for the Degree in Biology final project, University of Azores</p> <p>2 students for the MSc in Biology, University of Lisbon</p> <p>6 trainees from the Eurodyssey exchange program, University of Azores</p> <p>3 trainees from the ERASMUS/ ERASMUS+ programs, University of Azores</p> <p>2 project scholars, University of Azores</p>
Reviewer for	<p><i>Basteria - Netherlands Malacological Society, BMC Research Notes, Helgoland Marine Research, Journal of Biogeography, Journal of Crustacean Biology, Marine Environmental Research, Molecular Phylogenetics and Evolution, Thalassas: An International Journal of Marine Sciences</i></p>
Organizing Committee	<p>Seminar: "Ecology and Conservation of Patella in the Azores". 7 March 2014, Ponta Delgada, Portugal.</p> <p>Workshop: "Genetics and Management of Marine animals", 5 and 6 March 2018, University of Azores, Ponta Delgada, Portugal</p>