

Sandra Carvalho Marques

Identification

Personal identification

Full name

Sandra Carvalho Marques

Gender

Female

Birth date

1996/09/08

Citation names

Marques, Sandra

Author identifiers

Ciência ID

B81E-11A4-EDBA

ORCID iD

[0009-0008-6014-7000](https://orcid.org/0009-0008-6014-7000)

Email addresses

sandracmarques10@hotmail.com (Professional)

sandracmarques10@gmail.com (Personal)

Knowledge fields

Natural sciences - Biological Sciences - Marine Biology

Natural sciences - Biological Sciences - Biodiversity Conservation

Agrarian Sciences - Agriculture, Forestry and Fisheries - Fishery

Natural sciences - Earth and Environmental Sciences - Palaeontology

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
Portuguese (Mother tongue)					
English	Intermediate (B1)	Advanced (C1)	Intermediate (B1)	Upper intermediate (B2)	Intermediate (B1)
Spanish; Castilian	Intermediate (B1)	Proficiency (C2)	Intermediate (B1)	Proficiency (C2)	Upper intermediate (B2)

Education

	Degree	Classification
2025/10/01 - 2029/10/01 Ongoing	Doutoramento em Biologia (Doutoramento) Universidade dos Açores, Portugal <i>"The impact of interglacial-glacial cycles on the Pleistocene marine biota of the Cabo Verde Archipelago: the past as a window to understand current climate change effects on marine ecosystems. "</i> (THESIS/DISSERTATION)	
2023/07 - 2024/07 Concluded	Advanced training - Relevant skills were acquired in palaeontology techniques, biogeography theory, and curation and management of fossil and recent Macaronesian mollusc collections. (Outros) Marine Palaeontology and Biogeography laboratory, Universidade dos Açores, Portugal Centro de Investigação em Biodiversidade e Recursos Genéticos, Portugal	
2022 Concluded	Estudos Integrados dos Oceanos (Mestrado) Universidade dos Açores Faculdade de Ciências e Tecnologia, Portugal <i>"Impacts of deep-sea mining sediment plumes on cold-water corals" (THESIS/DISSERTATION)</i>	17
2019/06/12 Concluded	Biologia Marinha (Licenciatura) Universidade do Algarve - Campus de Gambelas, Portugal	
2018 - 2019 Concluded	Erasmus+ Traineeship (Rescue of Sea Turtles) (Bachelor) Fondazione Cetacea, Italy	
2019 Concluded	Short course - Sea turtles first aid (Outros) Fondazione Cetacea, Italy	
2018 Attended	Ciencias Del Mar (Bachelor) Universidad de Las Palmas de Gran Canaria, Spain	

Affiliation

Science

	Category Host institution/organization	Employer
2023/10/01 - Current	Researcher (Research) Centro de Investigação em Biodiversidade e Recursos Genéticos, Portugal	Centro de Investigação em Biodiversidade e Recursos Genéticos, Portugal
2020/09/01 - 2021/10/31	Researcher (Research) Universidade dos Açores - Campus da Horta, Portugal (...)	IMAR - Instituto do Mar, Portugal

Other Careers

	Category Host institution/organization	Employer
2024/09/03 - 2025/08/31	Professor do ensino básico e secundário (Professor do ensino básico e secundário) Escola Portuguesa de São Tomé e Príncipe, São Tomé and Príncipe	Escola Portuguesa de São Tomé e Príncipe, São Tomé and Príncipe

Others

	Category Host institution/organization	Employer
2023 - 2023	Tourist Guide	OCEANEYE, Portugal
2019/12/01 - 2020/01/31	Traineeship: - Rehabilitation and medical strategies used in sea turtles. Fondazione Cetacea, Italy	Erasmus Plus, Belgium

Projects

Grant

	Designation	Funders
2025/10/01 - Current	The impact of interglacial-glacial cycles on the Pleistocene marine biota of the Cabo Verde Archipelago: The past as a window to understand current climate change effects on marine ecosystems 2025.04385.BD PhD Student Fellow	

2019/01 - Current	iAtlantic: Integrated Assessment of Atlantic Marine Ecosystems in Space and Time 677119	Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, Brazil
2020/09/01 - 2021/04/30	JPI Mining2: Environmental risks and impacts of deep sea mining Mining2/0005/2017 Mining2/0004/2017 Master Student Fellow IMAR - Instituto do Mar, Portugal Universidade dos Açores Instituto de Investigação em Ciências do Mar Okeanos, Portugal	IMAR - Instituto do Mar, Portugal Concluded
2020 - 2020	CONDOR: Observatory For Long-Term Study And Monitoring Of Azorean Seamount Ecosystems CONDOR_2020 Universidade dos Açores Departamento de Oceanografia e Pescas, Portugal	EEA Grants, Belgium Concluded

Contract

	Designation	Funders
2025/11 - 2026/12	“Guia de campo dos fósseis de Santa Maria” GCF-SMA	Ongoing

Other

	Designation	Funders
2020 - 2021	iAtlantic: Integrated Assessment of Atlantic Marine Ecosystems in Space and Time 818123 IMAR - Instituto do Mar, Portugal	

Outputs

Publications

Conference abstract	1	Marina Parra Carreiro e Silva; António Godinho; Marques, Sandra; Beatriz Arzeni; Emma Badenas; CAETANO, MIGUEL; Raimundo, Joana; et al. "Single and multiple stressor impacts of deep-sea mining and climate change on cold-water corals". Paper presented in <i>8th International Symposium for Deep-Sea Corals, Edinburgh, 2023</i> .
Conference poster	1	Marques, Sandra; Martín-González, Esther; Silva, Luis; Ávila, Sérgio P.. "The past as a window to understand current climate change effects on marine ecosystems: The impact of interglacial-glacial cycles on the Pleistocene marine biota of the Cabo Verde Archipelago". Paper presented in <i>3CBIO- Seminário Ana Neto, 2025</i> .
	2	Marques, Sandra; Inês do Carmo Alves Martins; António Godinho; Mariana Cruz; Ana Colaço; Raimundo, Joana; CAETANO, MIGUEL; Marina Parra Carreiro e Silva. "Differential impacts of sediment plumes generated by the extraction of seafloor massive sulfides and ferromanganese nodules on cold-water octocorals". Paper presented in <i>16th Deep-sea-Biology-Society, 2021</i> .
Journal article	1	Ávila, Sérgio P.; Hipólito, Ana; Ramalho, R.S.; Uchman, Alfred; Johnson, Markes; Martín-González, Esther; Madeira P; et al. Corresponding author: Ávila, Sérgio P.. "An exceptional juxtaposition of last interglacial beach deposits and deep-sea MORB pillow lavas uplifted during the Cenozoic, on Maio Island (Cabo Verde Archipelago)". <i>International Journal of Geoheritage and Parks</i> (2026): Under revision
	2	Ávila, Sérgio P.; Madeira P; Doukani, Mohamed Amine; Hipólito, Ana; Ávila, Gonçalo Castela; Marques, Sandra; Vullo, Romain; Schwarzhans, Werner. "Lanternfish from the last interglacial (MIS 5e) of Santa Maria Island (Azores Archipelago: NE Atlantic Ocean): palaeoecology and palaeobiodiversity.". <i>Quaternary</i> (2026): Under revision
	3	Johnson, Markes; Ricardo S. Ramalho; Uchman, Alfred; Martín-González, Esther; M. Martins, Gustavo; Hipólito, Ana; Marques, Sandra; et al. "Potholes and Resident Boulders on a Contemporary Limestone Shore (Sal Island, Cabo Verde Archipelago, Northeast Atlantic Ocean)". <i>Journal of Coastal Research</i> (2025): https://meridian.allenpress.com/jcr/article-abstract/doi/10.2112/JCOASTRES-D-24A-00014.1/505884/Potholes-and-Resident-Boulders-on-a-Contemporary?redirectedFrom=fulltext . Accepted
	4	Johnson, M.E.; R.S. Ramalho; A. Uchman; E. Martín-González; G.M. Martins; A. Hipólito; S. Marques; et al. "Potholes and resident boulders on a contemporary limestone shore (Sal Island, Cabo Verde Archipelago, NE Atlantic Ocean)". <i>Journal of Coastal Research</i> (2025): In press
	5	Johnson, M.E; A. Uchman; R.S. Ramalho; E. Martín-González; G.M. Martins; A. Hipólito; S. Marques; et al. "Basalt sea stack and related facies from the Middle Pleistocene on Sal Island (Cabo Verde Archipelago, NE Atlantic Ocean)". <i>Facies (subm 26-03-2025)</i> . (2025): Submitted

- Report
- 1 Sebastian Hennige; Kristina Beck; Cristina Gutiérrez-Zárat; Marina Carreiro-Silva; Inês Martins; Covadonga Orejas; Andrea Gori; et al. 2024. *Assessment of the effects of multiple stressors on the functioning of hard-bottom VME ecosystems: Report on experimental studies assessing the effect of multiple stressors on the functioning of hard bottom benthic ecosystems*. https://www.iatlantic.eu/wp-content/uploads/2024/08/iAtlantic_D4.3.pdf.
 - 2 Dr. Matthias Haeckel. 2023. *JPI-Oceans (2022). MiningImpact 2: Environmental impacts and risks of deep-sea mining (Final report)*. https://www.jpi-oceans.eu/sites/jpi-oceans.eu/files/MI2_FinalReport_Publishable_web_2023.pdf.
 - 3 Rosa ; Andre S. Gomes; Medeiros-Leal, W. ; A. Godinho; L. Fauconnet ; Marques, Sandra; S. Blasco; D. Catarino; E. Giacomello. 2021. *Relatório de Cruzeiro de Monitorização das Espécies Demersais e de Profundidade do Banco Condor (CONDOR-54020). Arquivos Okeanos, Série- Relatórios de Cruzeiros. Nº 1/2021. 33 pp. ISSN- 2184-7592.*

Thesis / Dissertation

- 1 "Impacts of deep-sea mining sediment plumes on cold-water corals". Master, Universidade dos Açores, 2022. <http://hdl.handle.net/10400.3/6415>.

Translation

- 1 Maddalena Salvatori. *Multimedial Isolario: Uma viagem pelos arquipélagos atlânticos nas rotas dos navegadores italianos. Tradução: Sandra Marques. ISBN 978-84-09-21849-3, págs. 247-258. Espanha: Instituto de Estudios Canarios. 2019.*
Published

Other

- Dataset
- 1 Carreiro-Silva, Marina; Marques, Sandra; Godinho, António; Raimundo, Joana; Caetano, Miguel; Brito, Pedro; Colaço, Ana; Martins, Ines. Aquarium monitoring during an ex-situ experiment on the effects of simulated deep-sea mining sediment plumes on the cold-water octocoral *Dentomuricea aff. meteor* in the Azores. PANGAEA. Data Publisher for Earth & Environmental Science.. 2024.
 - 2 Carreiro-Silva, Marina; Marques, Sandra; Godinho, António; Raimundo, Joana; Caetano, Miguel; Brito, Pedro; Colaço, Ana; Martins, Inês. Suspended sediment concentrations during an ex-situ experiment on the effects of simulated deep-sea mining sediment plumes on the cold-water octocoral *Dentomuricea aff. meteor* in the Azores. PANGAEA. Data Publisher for Earth & Environmental Science.. 2024.
 - 3 Carreiro-Silva, Marina; Marques, Sandra; Godinho, António; Raimundo, Joana; Caetano, Miguel; Brito, Pedro; Colaço, Ana; Martins, Ines. Respiration rates of the cold-water octocoral *Dentomuricea aff. meteor* during an ex-situ experiment simulating deep-sea mining sediment plumes in the Azores. PANGAEA. Data Publisher for Earth & Environmental Science.. 2024.
 - 4 Carreiro-Silva, Marina; Marques, Sandra; Godinho, António; Raimundo, Joana; Caetano, Miguel; Brito, Pedro; Colaço, Ana; Martins, Ines. Tissue loss of the cold-water octocoral *Dentomuricea aff. meteor* during an ex-situ experiment simulating deep-sea mining sediment plumes in the Azores. PANGAEA. Data

Activities

Event participation

	Activity description Type of event	Event name Institution / Organization
2025/12/03 - Current	3CBIO- Seminário Doutoral Ana Neto Seminar	Universidade dos Açores, Portugal
2023/05/29 - 2023/06/02	8th International Symposium for Deep- Sea Corals Symposium	
2021/09/20 - 2021/09/24	iAtlantic General Assembly 2021 Meeting	
2021/09/12 - 2021/09/17	16th Deep Sea Biology Symposium Symposium	Ifremer, France
2020/10/07 - 2020/10/08	Annual meeting - MiningImpact2 Project Meeting	
2018 - 2018	European Exchange “ Sol majeur pour mineur” Work through non-formal education dynamics, the problem of the arrival of children and young people alone in the European space.	AJD- Associação Juvenil de Deão, Portugal
2017 - 2017	Formation of entities relating to education, trade, distribution and fishing industry. Topic: how to buy and how to sell sustainable fish. Workshop	Fish 4 me Universidade do Algarve, Portugal
2017 - 2017	Coastal upwelling zones are a climate refuge against ocean warming The example of the algae <i>Fucus guiryi</i> . Workshop	NEBUA - Núcleo de Estudantes de Biologia da Universidade do Algarve Universidade do Algarve, Portugal

2017 - 2017	European Exchange " The Way for Social Inclusion "	Otherside (Associazione di Promozione Sociale)
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2016 - 2016	European Exchange "Algo Noso 2.0" Participation in debates and campaigns with the aim of recovering and promoting the Galician-Portuguese culture and traditions.	AJD- Associação Juvenil de Deão, Portugal
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Association member

Society Organization	Role
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2016 - 2020	Associação Juvenil de Deão - AJD
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Committee member

Activity description Role	Institution / Organization
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2020 - 2021	Effective student representative on the FCT Master's Pedagogical Committee	Universidade dos Açores, Portugal
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Scientific expedition

Activity description	Institution / Organization
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2024/07/05 - 2024/07/27	7th International Workshop "Palaeontology in Cabo Verde Archipelago", in Sal, Santiago, Maio and Boa Vista islands.	Centro de Investigação em Biodiversidade e Recursos Genéticos, Portugal
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2023/07/10 - 2023/07/16	19th International Workshop "Palaeontology in Atlantic Islands" in Santa Maria Island.	Centro de Investigação em Biodiversidade e Recursos Genéticos, Portugal
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Distinctions

Award

2018	2nd award - Short-film documentary "Mi experiencia erasmus prácticas" Fundación Mapfre, Spain
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Other distinction

2025	Doctoral FCT fellowship - 2025.04385.BD Fundação para a Ciência e a Tecnologia, Portugal, Portugal
2020	Master fellowship - IMAR/ /JPI Mining2/0005/2017 //001-2020 IMAR - Instituto do Mar, Portugal Universidade dos Açores Instituto de Investigação em Ciências do Mar Okeanos, Portugal
