

Pedro Seabra Freitas – Short CV

ORCID

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Degrees

- 2007 - PhD (Bivalve shells as records of environmental conditions), University of Bangor, United Kingdom
- 1995 - MSc (Oceanography), University of Southampton, United Kingdom
- 1993 - BSc (Aquatic Sciences), University of Porto, Portugal

Positions

- 2018-present. Senior Researcher, Section for Coastal Ecology, DTU Aqua.
- 2013-2018. Researcher, Marine Geology and Resources, Instituto Português do Mar e da Atmosfera (IPMA), Portugal
- 2007-2013: Researcher, Marine Geology Unit, Laboratório Nacional de Energia e Geologia (LNEG), Portugal
- 1997-2007. Research Assistant, Marine Geology Department, Instituto Geológico e Mineiro (IGM) / Instituto Nacional de Engenharia, Tecnologia e Inovação (INETI), Portugal

Research area

Population biology, ecology, and fisheries of marine bivalves and decapods. Conservation and restoration of marine habitats, communities and ecosystem services. Advice and recommendations to political, management and regulatory governmental agencies, as well as stakeholders.

Distinctions and awards

- List name of award and year

Memberships of scientific committees (last 5 years)

- Member of the Biogenic reefs group of the Danish "Center for Marin Naturgenopretning
- Member of ICES WGCRAb - Working Group on the Biology and Life History of Crabs

Publications

Type of publication:	Number
Web of Science publications:	16
Citations:	789
<i>h</i> -index:	12
Other peer review publications:	
Books:	
Book chapters:	1
Reports:	7

International conferences (last 5 years)

Type of participation:	Number
Contributions as first author:	1
Invited:	
Organizing role:	

Evaluation tasks and reviews (last 5 years)

- 2025 - German Research Foundation (DFG)
- 2023 - Frontiers in Marine Science
- 2020 - Geochimica et Cosmochimica Acta

Advisory tasks (last 5 years)

Advisor to the Danish Ministries of Environment, Food, Agriculture and Fisheries on the status, management and regulation of cockle, lobster and crab populations and fisheries.

- 2025. Freitas, P.S. and Petersen, J. K. Biologisk rådgivning vedr. forvaltning af hummerfiskeri i Danmark, DTU Aqua, No. 25/1019510, 17 p., September 19.
- 2025. Freitas, P.S. and Petersen, J. K. Rådgivning om bestandsvurdering og TAC for hjertemuslingefiskeri for sæsonen 2025-2026. 32 p. No. 25/1014468, 32 p., August 15.
- 2025. Petersen, J. K., Nielsen, P., Freitas, P.S., & Christensen, H. T. Muslingefiskeri i Limfjorden – status på viden 2025, DTU Aqua, No. 25/1000938, 17 p., May 19.
- 2025. Frandsen, R.P. & Freitas, P.S. Vurdering af udslipshullets størrelse i lukkeperioden – i forbindelse med tejnepfiskeri efter taskekrabber i hummerfiskeriets lukkeperiode. DTU Aqua, 3 p., No. 25/1000725.
- 2024. Freitas, P. S., Frandsen R.P., Schiønning, M. K., Støttrup, J. G., Petersen, J. K. Bestilling vedrørende garnforbud i Limfjorden. DTU Aqua, 6 p., No. 24-1002674.
- 2024. Petersen, J. K., Nielsen, P. & Freitas, P. S. Muslingefiskeri i Limfjorden – status på viden. DTU Aqua, 12 p., No. 24/1000925.
- 2024. Freitas, P. S., Olsen, J., Petersen, J. K., Nielsen, P. & Boye, A. G. Rådgivning om bestandsvurdering og TAC for hjertemuslingefiskeri for sæsonen 2024-2025, DTU Aqua, 27 p., No. 24-1008195.
- 2024. Freitas, P. S., Nielsen, P. & Petersen, J. K. G. Rådgivning om hjertemuslinger bestandsvurdering i Limfjorden i 2024, DTU Aqua, 5 p., No. 24-1003540
- 2023. Freitas, P. S., Saurel, C., Olsen, J., Petersen, J. K., Nielsen, P. & Boye, A. G. Rådgivning om bestandsvurdering og TAC for hjertemuslingefiskeri 2023-2024. DTU Aqua, 34 p., No. 23-1009397.
- 2022. Freitas P.S., Saurel C., Olsen J. and Petersen J.K. Hjertemuslingefiskeri i Limfjorden: Status 2021-2022 sæsonen og anbefalinger om bæredygtig kvote for sæsonen 2022-2023. DTU Aqua, 18p., Notat J nr. 22/1008192.
- 2021. Freitas P.S., Saurel C., Olsen J. and Petersen J.K. 2021., Hjertemuslinger fiskeri i Limfjorden: Status 2020-2021 sæson og ledelsesanbefalinger. DTU Aqua, 13 p., Notat J nr. 21/1033607.
- 2020. Freitas P.S., Nielsen P., Saurel C. Olsen J. and Petersen J.K. “ Hjertemuslingers fiskeri i Limfjorden: Status og ledelsesanbefalinger”. Notat til Fiskeri, Miljø- og Fødevareministeriet. 7p., Notat J nr. 20/1003491.

Educational tasks at academical level (last 5 years)

- List

Supervision (ongoing or finished in the last 5 years)

	Principal/main supervisor	Co-supervisor
Other (MSc etc.)		1
PhD:	1	
Postdoc:	1	1

Innovation activities (last 5 years)

	Number
Patents:	

- List main innovation activities

Collaboration with other stakeholders (within last 5 years)

- Foreningen Muslingeerhvervet - FME (Cockle I, Cockle II, HjertFisk)
- Centralforeningen for Limfjorden (Cockle II)
- Danish Fishermens Producers Organisation - DFPO (Hummerfiskeri, HjertFisk, KrabFisk)
- Foreningen for Skånsomt Kystfiskeri Producentorganisation: FSKPO (Hummerfiskeri, NET-POT)
- Skirllinge Strand Fisk (KrabFisk)
- Fishermen Jens Henriksen and Preben Hansen (KrabFisk, NET-POT)
- Fiskeriselskabet Cardium A/S (GIGAS, GIGAS-PROCESS)
- HPP Tolling Ltd. (GIGAS-PROCESS)
- Oysterboat ApS (GIGAS project)
- Vilsund Blue A/S (HjertFisk)
- Johs. Jensen Fiske- & Muslingeeksport A/S (HjertFisk)
- Nordic Marine Nutrition (KrabFisk)
- Decameal (KrabFisk)

- Limfjordsrådet (Løgstør Stenrev, COASTaLife)
- DHI Water - Environment – Health (Cockle II, HjertFisk)

Grants (competitive) (ongoing or finished within last 5 years)

- 2024-2027. EHFAF. NET-POT: Development of gillnet fisheries and shore crab pots to build new sustainable fisheries. Participant.
- 2024-2027. EFHAF. HjertFisk: Improved knowledge and management of a new cockle fishery in Limfjorden. Coordinator, PI
- 2023-2028. LIFE programme. Coastal Life: Restoration of coastal habitat zones. PI
- 2023-2025 GUDP. KrabFisk: Shore crab fishing, new sustainable resource in Denmark coastal fisheries, PI
- 2022-2026. Velux Foundation and Danish Ministry of Environment. Center for Marin Naturgenopretning. Participant
- 2022, Miljøstyrelsen. "Hummer (og strandkrabber) på stenrevet i Løgstør Bredning", supplerende undersøgelser af projekt "Stenrevs potentielle kvælstofeffekt samt bidrag til genetablering af stenrev i Natura 2000-området Løgstør Bredning, Vejlerne og Bulbjerg". PI
- 2019-2022. EMFF. COCKLE II: Sustainable cockle fishery in Limfjorden. Coordinator, PI
- 2019-2022. EMFF. HUMMER: Sustainable lobster fishery in Limfjorden. Coordinator, PI
- 2018-2022, EMFF. COCKLE I: Sustainable cockle fishery in the Limfjorden, PI
- 2018-2022, EMFF. GIGAS: Development of strategies for the control of Pacific oysters in Danish waters, PI
- 2018-2021, EMFF. GIGAS-PROCESS: Development of sorting and processing methods Pacific oysters, PI

Selected publications

- 2026. Johansson, I., Nielsen, P., Petersen, J. K., Freitas, P. & Saurel, C. Exploring strategies for improving productivity of on-bottom mussel cultivation: A Danish perspective. *Aquaculture*, 612, 14p, <https://doi.org/10.1016/j.aquaculture.2025.743082>
- 2025. Jensen K. T., Lush J., Saurel C., Freitas P. S. & Nielsen C. F. High prevalence of the parasite *Monorchis parvus* in cockles (*Cerastoderma edule*) from the Limfjorden (Denmark) despite missing fish host: host effects and alternative life cycle options. *Journal of the Marine Biological Association of the United Kingdom*, 105, e62. doi:10.1017/S0025315425100167
- 2024. Hansen FT, Erichsen AC, Saurel C, Freitas PS. Assessing the demographic connectivity of common cockles in a shallow estuary as a basis for fisheries management and stock protection efforts. *Marine Ecology Progress Series*, 731, 293-313. <https://doi.org/10.3354/meps14297>
- 2019. Butler P. G., Freitas P. S., Burchell M., Chauvaud L. Archeology and Sclerochronology of marine bivalves. In *Goods and Services of Marine Bivalves* (eds. A. Smaal, J. G. Ferreira, J. Grant, J. Petersen & O. Strand), 413-444, doi: 10.1007/978-3-319-96776-9_21
- 2018. Dellinger M; West AJ; Paris G; Adkins JF; Pogge von Strandmann PAE; Ullmann CV; Eagle RA; Freitas P; Bagard ML; Ries JB; Corsetti FA; Perez-Huerta A; Kampf AR. The Li isotope composition of marine biogenic carbonates: Patterns and mechanisms. *Geochimica et Cosmochimica Acta*, 236, 315-335, doi:10.1016/j.gca.2018.03.014
- 2016. Freitas P.S., Clarke L.J., Kennedy H., Richardson C.A. Manganese in the shell of the bivalve *Mytilus edulis*: Seawater Mn or physiological control? *Geochimica et Cosmochimica Acta* 194, 266-278, doi.org/10.1016/j.gca.2016.09.006