

Dr ALEXIS PEY

President of THALASSA Marine research & Environmental awareness

CONTACT INFORMATION

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PROFILE

Born Marseille (France), 30/12/1985
Driving license B and boat license
Professional diver (CAH IIB)
www.researchgate.net/profile/Alexis_Pey

EDUCATION AND TRAINING

2012 – PhD in Sciences of the Universe

“Biochemical and physiological response of temperate marine symbioses to climate change”
UMR 7138, Laboratoire Symbiose Marine, Nice.

2019 - Professional diving certification

Classe II mention B
Ecole nationale des scaphandriers

2010 - Professional diving certification

Classe I mention B
Station Marine de Roscoff, France

2008 – Master in Marine Biology and Ecology

Centre d’Océanologie de Marseille, France.

2006 – Bachelor in Environmental and Marine Sciences

Centre d’Océanologie de Marseille, France.

WORK EXPERIENCE

Member of the Scientific Council for Marine Protected Areas of Monaco
From September 2019

Co-founder & manager of THALASSA Marine research & Environmental awareness
From June 2018

Research assistant, ECOMERS CNRS FRE 3729 laboratory

Assessing the relationships between marine protected areas and invasive species (PAVIS)
UVC of mediterranean and invase fish species in 9 Mediterranean MPAs
2016 - 2018

Postdoc, ECOMERS CNRS FRE 3729 laboratory

Study of the ichthyological populations of the Mediterranean sea caves and more particularly of the role of the cardinal fish *Apogon imberbis* as a vector of trophic resources. Sampling and UVC (day and night) of Apogon populations.
2015 (6 months)

Postdoc, ECOMERS CNRS FRE 3729 laboratory

Study of the conservation and ecological restoration of brown algae forests *Costoseira spp* in the Mediterranean sea
2014 (8 months)

Marine Environment consultant

- Monitoring of fish populations of *Epinephelus marginatus* and *Sciaena umbra* in Monaco MPA with the Pr. Patrice Francour (Université Nice Sophia-Antipolis).
- Sampling and sex determination of the sea anemone *Anemonia viridis* in Juan-les-Pins for the UMR 7138, Symbiose Marine lab
- Consultant for an ANR Project on the Adaptation of cnidarians to climate change (Symbiose marine laboratory). Coordination of field work and sampling of *Anemonia viridis*.
2013 - 2016

AREAS OF EXPERTISE

Ichthyology

Symbiotic cnidarians

Underwater visual census (UVC)

Marine protected areas (MPAs)

Impacts of climate change

Professional diver

PAPERS PUBLISHED ON ISI JOURNALS:

Boissin, E., Pogoreutz, C., **Pey, A.**, Gravier-Bonnet, N., & Planes, S. (2019). *Millepora platyphylla* (Cnidaria, Hydrozoa) range extended back to the Eastern Pacific, thanks to a new record from Clipperton Atoll. *Zootaxa*

Giakoumi, S., **Pey, A.**, Thiriet, P., Francour, P., & Guidetti, P. (2019). Patterns of predation on native and invasive alien fish in Mediterranean protected and unprotected areas. *Marine environmental research*

Porro, B., Mallien, C., Hume, B. C., **Pey, A.**, Aubin, E.,... & Forcioli, D. (2019). The many faced symbiotic snakelocks anemone (*Anemonia viridis*, Anthozoa): host and symbiont genetic differentiation among colour morphs. *Heredity*

Bussotti S., Di Franco A., Bianchi C. N., Chevaldonné P., **Pey, A.**, ... & Planes S. (2018). Fish mitigate trophic depletion in marine cave ecosystems. *Scientific reports*

Giakoumi S., **Pey, A.**, Di Franco A., Francour P., Kizilkaya Z., ... & Guidetti P. (2019). Exploring the relationships between marine protected areas and invasive fish in the world's most invaded sea. *Ecological Applications*

Fricke A., **Pey, A.**, ... & Mangialajo L. (2018). Multiple stressors and benthic microalgal blooms: potential effects of climate change and eutrophication. *Marine Pollution Bulletin*

Giakoumi, S., & **Pey, A.** (2017). Assessing the effects of marine protected areas on biological invasions: a global review. *Frontiers in Marine Science*

Gianni F., Bartolini F., **Pey, A.**, ... & Mangialajo L. (2017). Threats to large brown algae forests in temperate seas: the overlooked role of native herbivorous fish. *Scientific Reports*

Bussotti S., Di Franco A., **Pey, A.**, ... & Guidetti P. (2017). Distribution patterns of marine cave fishes and the potential role of the cardinal fish *Apogon imberbis* (Linnaeus, 1758) for cave ecosystem functioning in the western Mediterranean. *Aquatic Living Resources*

Pey, A., Zamoum, T., ... & Furla, P. (2017). Characterization of glutathione peroxidase diversity in the symbiotic sea anemone *Anemonia viridis*. *Biochimie*

Pey, A., Catanéo, J., Forcioli, D., Merle, P. L., & Furla, P. (2013). Thermal threshold and sensitivity of the only symbiotic Mediterranean gorgonian *Eunicella singularis* by morphometric and genotypic analyses. *Comptes rendus biologies*

Pey, A., Zamoum, T., Allemand, D., Furla, P., & Merle, P. L. (2011). Depth-dependant thermotolerance of the symbiotic Mediterranean gorgonian *Eunicella singularis*: evidence from cellular stress markers. *Journal of experimental marine biology and ecology*, 404(1-2), 73-78.