

Curriculum vitae

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Main research interests and research areas: 1) *Marine and aquatic environmental change on ecology, planktonic calcifying organisms, turnover and biogenic carbonate dynamics on a wide range of timescales;* 2) *Decoupling human-induced versus naturally-forced climate change in high CO₂ oceans and biosphere-geosphere interaction;* 3) *Marine coastal communities;* 4) *Historical ecology and human interaction with coastal ecosystems;* 5) *Marine and river microplastics dispersion and impacts on the aquatic system,* 6) *Global and local strategies for adaptations to climate change and sustainability.*

Keywords: *Marine environmental biogeosciences, climate and global change, ocean acidification, ocean in high-CO₂, evolutionary ecology, marine micro phyto- and zoo- planktic calcifiers, marine microplastics, geochemistry, marine ecology, marine micropaleontology, social driver on climate and global change, socio-ecological interaction.*

01 September 2025

1. University qualifications

- 1994 **Doctor of Philosophy (Ph.D.)** in Earth Sciences, Università di Padova (Italy) (exchange program with the University of South Carolina, Columbia, USA) *Seasonal distribution of coccolithophores in the eastern Pacific: an intercomparison study in San Pedro Basin, Southern California, and Guaymas Basin, Gulf of California.*
- 1991-1994 **Visiting Scholar**, Ph.D. research, Geological Sciences Dept., University of South Carolina, Columbia, USA, Robert C. Thunell, advisor.
- 1990 **Laurea** in Geological Sciences, Università di Parma (Italy) **Master of Science (M.S.)** *Eocene-Oligocene calcareous nannofossil biostratigraphy and sequence stratigraphy of the eastern Piedmont Basin, northern Italy.*

2. Present position

- 2014-present **Research Professor ICREA (Catalan Institute for Research and Advanced Studies)** at the Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (UAB), Spain.
- 2015-present Associate Professor (part time) Department BABVE, UAB.

3. Professional experience

- 2020-present **Maria de Maetzu' Excellence program (2020-2024). Guarantor and co-leading the ocean social challenge theme** of the scientific strategic program.
- 2016-2020 **Scientific Director** of ICTA-UAB **Center of excellence 'Maria de Maetzu' Excellence program** responsible of running the scientific strategic program and managing the budget.
- 2015-2020 **Deputy Director for Research**, Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (March 2015 – March 2020).
- 2010-2014 **Senior Scientist Fellow**, Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona (UAB), Spain.
- 2006-2015 **Associated Senior Scientist**, Cluster Earth & Climate, Department of Earth Sciences, Faculty of Earth and Life Sciences, Vrije Universiteit Amsterdam, The Netherlands.
- 2005-2010 **Ramon y Cajal Research Fellow**, Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona, Spain.

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| 2002-2006 | Senior Scientist/Associate Professor , Department of Paleoecology and Paleoclimatology, Vrije Universiteit Amsterdam, The Netherlands. |
| 1998-2002 | Senior Scientist , Life and Earth Science Faculty, Department of Paleoecology and Paleoclimatology, Vrije Universiteit Amsterdam, The Netherlands. |
| 1995-1998 | Postdoctoral Researcher , Life and Earth Science Faculty, Vrije Universiteit Amsterdam, The Netherlands. |
| 1994-1995 | Postdoctoral Researcher , Geological Sciences Dept., University of South Carolina, Columbia, USA. |

4. Research grants and awards

4.1. Grants

Pelagic calcification: from biomineralization to global implications (BONITOS) AEI-DFG Germany-Spain bilateral program. PI: **P. Ziveri**. Total budget: 1.000.000€, Budget managed: 220.000 €.

Program “Centers of Excellence” from the Spanish Ministry of Science, Innovation and Universities. Appointment of the Institut de Ciència i Tecnologia Ambientals as a “María de Maeztu Unit of Excellence” (CEX2019-000940-M). **Scientific Director: D. Brockington, 2025-2029**. Budget: €2,000,000, **Guarantor: P. Ziveri**.

Past, present, and future status and mitigation for Cyprus shallow-water reef biodiversity and functioning under global change (PUREEF-Y), EU Horizon program (101158830) (2024-2027). PI: **P. Ziveri**. Total budget: 1.326.352€, Budget managed: 387.246 €.

Marine and environmental biogeosciences research group (MERS), Consolidated Research Group, Suport a Grups de Recerca (2021 SGR 00640), AGAUR Generalitat de Catalunya, 2022-2024. **Group coordinator: P. Ziveri**. Budget managed: €60.000.

BIOCAL - Global biodiversity of marine planktonic calcifiers. **Project leader: P. Ziveri**, 2021-2025, Ministry of Science and Innovation (PID2020-113526RB); Budget managed: 169.400 €

Program “Centers of Excellence” from the Spanish Ministry of Science, Innovation and Universities. Appointment of the Institut de Ciència i Tecnologia Ambientals as a “María de Maeztu Unit of Excellence” (CEX2019-000940-M). **Scientific Director: E. Corbera, 2020-2024**. Budget: €2,000,000, no managed. **Guarantor: P. Ziveri**.

i-plastic - Dispersion and impacts of micro- and nano-plastics in the tropical and temperate oceans: from regional land-ocean interface to the open ocean – **Coordinator: P. Ziveri, 2020-2023**. JPI Oceans Program (partners from Italy, Portugal Spain, Brasil). Total budget 829.000€; Budget managed 276.000 €.

Marine and environmental biogeosciences research group (MERS), Consolidated Research Group, Suport a Grups de Recerca (SGR 2017-2020), AGAUR Generalitat de Catalunya. **Group coordinator: P. Ziveri**. Budget managed: €58.819.

Program “Centers of Excellence” from the Ministry of Economy and Competitiveness. Appointment of the Institut de Ciència i Tecnologia Ambientals as a “María de Maeztu Unit of Excellence” (MDM- 2015-0552). Global environmental and sustainability challenges related to anthropogenic climate change. **Scientific Director: P. Ziveri, 2016-2020**. Budget managed: €2,000,000.

BLUEISLANDS, Seasonal variation of waste as effect of tourism, EU-Interreg, **UAB project leader: P. Ziveri, 2017-2020**. Budget managed: €294.900.

Planktonic calcifiers in a high-CO₂ Mediterranean Sea (CALMED), Ministerio de Economía y Competitividad (MINECO), **project leader: P. Ziveri, 2017-2020**. Budget managed: €152.460.

Human ‘ecological footprint’ on benthic systems and implications for ecosystem services, P-Sphere COFUND, UAB, European Commission, Postdoctoral Fellow position, **project leader: P. Ziveri, 2016-2019**, €160.000. No budget managed.

European project on the Mediterranean Sea Acidification in a changing climate (MedSeA), EC FP7, ENV2010, **project coordinator: P. Ziveri, 2011-2014**, Budget managed: €3.490.000; Budget ICTA-UAB: €875.000 (total budget €6.000.000).

Multiple stressor effects in the photobiology of Caribbean symbiotic octocorals and its repercussion in the population fitness and reproductive output (IOF), FP7-PEOPLE-2012-IOF, Universitat Autònoma de Barcelona (UAB), Sergio. Rossi (Coordinator: P. Ziveri), **2013-2016**. Budget managed: €275.000.

PROductivity and CARbonate dynamics in the Southern Ocean and impacts on atmospheric CO₂ (PROCARSO), Ministerio de Ciencias e Innovación, **project leader: P. Ziveri, 2010-2013**. Budget managed: €85.000.

Past4Future—Climate change - Learning from the past climate, EUFP7-ENV-2009, Project coordinator: D. Dahl Jensen, Universitat Autònoma de Barcelona (UAB) responsible: R. Zahn, **2010-2015**, €380.000 (total €6.800.000), No budget managed.

Decadal scale variability of the Mediterranean ecosystem (MedEcos), EraNet, MarinERA, European marine RTD programme, **UAB project leader: P. Ziveri, 2009-2012**. Budget managed: €118.469.

Multi-level assessment of ocean-climate dynamics: a gateway to interdisciplinary training and analysis (GATEWAYS), EU FP7 programme, Project coordinator: R. Zahn, **2009-2012**. Total budget €3.300.000. No budget managed.

Exploring calcareous dinoflagellates chemistry for paleoceanography, German Science Foundation (DFG), **Project leaders: K. Zonneveld and P. Ziveri, 2008-2011**, €120.000. No budget managed.

Mass spectrometer for paleoclimatological and environmental studies, infrastructure proposal for the procurement of a gas mass spectrometer and carbonate preparation device, Ministry of Innovation and Science, project leader: R. Zahn, **2009-2011**, €200.000. No budget managed.

Atmospheric CO₂, ocean acidification, and ecological changes in planktonic calcifying organisms, Workshop, European Science Foundation, Euroclimate Programme and PAGES (Past Global Changes). **Project leader: P. Ziveri, 2007**. Budget managed: €52.000.

Paleo- and recent climate changes in the Eastern Mediterranean Sea, by using biogeochemical markers and stable isotopes: Could the future changes be predicted? European Union and the General Secretariat for Research &

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- Technology/Greek Ministry of Development, Project leader: M. Triantaphyllou, 2003-2006, €72.000. No budget managed.
- Calcareous nannoplankton as palaeoceanographic tools, Dutch and German Science Foundations (NWO and DFG) - Proxies in Earth History - European Graduate College, phase 2, **Project leaders:** K.H. Baumann and **P. Ziveri**, 2002-2005, €120.000. No budget managed.
- Clima en Iberia y circulación meridional Atlántica (CIMERA), Ministry of Science and Technology, Project leader: R. Zahn, 2007-2010, €145.200. No budget managed.
- Controls on alkenone temperature estimates in subtropical and subpolar waters, National Science Foundation (NSF), **Project leaders:** Elisabeth Sikes and Brian Popp, 2007-2010, \$330.000. No budget managed.
- The dynamics of carbon release and sequestration: case studies of two early Eocene hyperthermals, Collaborative research, National Science Foundation (NSF), Project coordinator: J. Zachos, 2006-2009, \$2.300.000. No budget managed.
- Calibration and validation of geochemical proxies for temperature and other upper ocean climate variables (CaVaPROX), Ministry of Science and Technology, Project leader: P.G. Mortyn, 2006-2009, €133.826. No budget managed.
- Climatic control of marine ice variability and productivity during the Holocene in the Arctic, Ministry of Science and Technology, Project leader: A. Rosell-Mele, 2006-2009, €129.470. No budget managed.
- Calibration, validation and application of novel coccolith-based geochemical proxies, Ministry of Science and Technology and EC, Ramon y Cajal Research Fellowship, **Project leader:** P. Ziveri, 2005-2010. Budget: €164.000.
- Equipment for Laboratory, Generalitat de Catalunya, Universitat Autònoma de Barcelona (UAB), Project leader: Graham Mortyn, 2006, € 50,583. No budget managed.
- Dynamics of marine ecosystem response to fertilization: Studying ecological responses to Quaternary Mediterranean sapropel events and implications for marine carbon uptake (MERF) European Science Foundation (ESF) Collaborative research, Vrije Universiteit Amsterdam, **Project coordinator:** P. Ziveri, 2005-2009, €469.000.
- Carbon acquisition in calcareous phytoplankton during major greenhouse events: from biological processes to geological record, Darwin Centre for Geobiology, Dutch National Science Foundation (NWO), Vrije Universiteit Amsterdam, **Project leader:** P. Ziveri, 2005-2009. Budget managed: €160.000.
- 150ky reconstruction of North Atlantic photic zone dynamics using coccolithophore-based ecological and chemical proxies. German Science Foundation (DFG) and Dutch National Science Foundation (NWO), **Project leaders:** K.H. Baumann and P. Ziveri, 2005-2008, €120.000. No budget managed.
- Coccolith chemistry as a proxy for paleo growth rate, calibration and validation in the Arabian Sea, Project Leader, Dutch National Science Foundation (NWO), Vrije Universiteit Amsterdam, **Project leader:** P. Ziveri, 2002-2005. Budget managed: €199.056.
- Coccolithophorid Evolutionary Biodiversity and Ecology Network (CODENET), European Community Training and Mobility of Researchers, Vrije Universiteit Amsterdam, Project coordinator: J. Young, 1998-2001, €940.000. No budget managed.

Sapropels and Paleoceanography (SAP), European Union Marine Science and Technology programme project, Project coordinator: Gert de Lange, 1998-2001. €120.000. No budget managed.

International Global *Emiliana* Modeling Initiative (GEM), Dutch National Science Foundation (NWO), Project leader: P. Westbroek, 1994 – 1998, €325.000. No budget managed.

Palaeoflux, European Union Marine Science and Technology programme project (MAST), Project coordinator: Gert de Lange, 1994- 1997. €110.000. No budget managed.

4.2. Other grants / projects / funding sources

Ajuts per a la adquisició/renovació d'equipament científic i tecnològic UAB 2024. Research group MERS, 43.900,00 €, **PI: P. Ziveri**.

Marine Animal Forest of the World; Cost Action CA18102, Coordinator: Sergio Rossi. 2021-2025. WP8 leader.

Pier2Peer mentor of junior researcher Sheck Sherif, EPA Liberia and University of Sheffield (Ocean Foundation, NOAA, Global Ocean Acidification Observing network (GOA)) \$5.000.

Pier2Peer mentor of Ph.D. Falilu Adekumbi, University of Lagos, Nigeria, student working on ocean acidification in the Gulf of Guinea (Ocean Foundation, NOAA, Global Ocean Acidification Observing network (GOA)) \$10.000.

Severo Ochoa and María de Maeztu Alliance (SOMMa) for research excellence in Spain. Director: Luis Serrano, Vice-director: Teresa Garcia-Milà, Ministerio de Economía y Competitividad (MINECO), WP leader: excellence exchange, 2017-2019. No budget managed.

Ocean Governance for Sustainability - challenges, options and the role of science, Cost Action CA15217, Coordinator: Anna-Katharina Hornidge. 2016-2018. No budget managed.

Microscope and image analyses system for foraminifera biometry and picking coccoliths for geochemistry, Ministerio de Ciencias e Innovación, 2012. **Project leader: P. Ziveri**, €30.000.

Coccolithophore response to the climate change (temperature, nutrients, acidification) in the Mediterranean Sea, Complementary action, Ministerio de Ciencias e Innovación, 2011. **Project leader: P. Ziveri**, €2.700.

Mediterranean Sea Acidification in a changing climate, proposal preparation, Lidereu, Generalitat de Catalunya, 2010, **Project leader: P. Ziveri**, €3.780.

European project on Mediterranean Sea acidification in a changing climate (Proyecto europeo sobre la acidificación del Mediterráneo en un clima cambiante) (financiación para la preparación de una propuesta de proyecto Europeo FP7, ENV2010) Ministerio de Ciencias e Innovación, 2009. **Project leader: P. Ziveri**, €5.000.

La dinámica de la emisión y captura de carbono; los eventos hipertermales del Eoceno, Ministerio de Ciencia y Tecnología, 2007-2010. **Project leader: P. Ziveri**, €30.000.

CO₂ atmosférico, acidificación oceánica, y cambios ecológicos en los organismos planctónicos calcificadores, Ministerio de Ciencia y Tecnología, 2007. **Project leader: P. Ziveri**, € 6.000.

PEIR research equipment acquisition, Generalitat de Catalunya, 2007. **Project leader: P. Ziveri**, €35.000.

5. Academic awards and recognitions

- 2023 Top Downloaded Article 2022 in *Limnology and Oceanography*, Nutritional response of a coccolithophore to changing pH and temperature.
- 2022 Launched the Patrizia Ziveri School of Marine Sciences of the United Methodist University in Monrovia, the first [Marine School in Liberia](#).
- 2020 North-South Prize of the Council of Europe's Laureates: Network of Mediterranean Experts on Climate and Environmental Change (MedECC) for its elaboration of the first-ever scientific assessment on the impact of climate and environmental change on the Mediterranean basin - constituting a leading example of the potential for collaboration between States and societies to face the challenges of climate change and environmental sustainability. Lead author of the chapter dealing with Ecosystems.
- 2017 Cushing Prize winner for best paper from an early career scientist (D'Amario et al. (2017), PhD student Barbara D'Amario (PhD 2017).
- 2016 Scientific Director of ICTA-UAB, national excellence program, from the Ministry of Economy and Competitiveness as "María de Maeztu Unit of Excellence" (2016-2020).
- 2015 Deputy Director for Research of ICTA-UAB (2015-2020).
- 2015 Member of the Academia Expert Database of Excellent Female Scientists.
- 2014 UAB-Banco de Santander Talent Retention Programme award.
- 2014 Outstanding international scientist with exceptional merits, Italian Ministro dell'Istruzione, dell'Università e della Ricerca (2013 MIUR), direct call.
- 2013 Full Professor Accreditation, National Scientific Habilitation, Italian Ministro dell'Istruzione, dell'Università e della Ricerca (MIUR).
- 2010 Research Intensification Award (I3 Program) (Agencia Nacional de Evaluación y Prospectiva ANEP), Ministerio de Economía y Competitividad (Spain).
- 2010 Accreditation by the Spanish Agency of Evaluation of Quality and Accreditation (ANECA).
- 2009 Advanced research accreditation (Full Professor) (Catalan University Quality Agency) Agència per a la Qualitat del Sistema Universitari de Catalunya (AQU).

6. Publications

6.1 Peer-reviewed journal articles (Trainees [MS, PhDs and postdocs] underlined, PZ corresponding author*)

1. Ziveri P, Langer G, Chaabane S, Jde Vries J, Gray WR, Keul N, Hatton IA, Manno C, Norris R, Pallacks S, Young JR, Schiebel R, Zarkogiannis S, Anglada-Ortiz G, Bianco S, de Garidel-Thoron T, Grelaud M, Lucas A, Probert I, Mortyn PG (2025) Calcifying plankton: from biomineralization to global change, *Science* (in press).
2. Bianco S, Bordiga M, Langer G, Ziveri P, Cerino F, Laudicella V, Relitti F, Di Giulio A, Lupi C (2025) *Helicosphaera carteri* (Prymnesiophyceae) under high carbon dioxide: an experimental study, *Journal of Phycology* (in press).
3. Langer, G., Probert, I., Young, J. R., and Ziveri, P. (2025) Species-specific differential dissolution morphology of selected coccolithophore species: an

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- experimental study, *EGUsphere*, <https://doi.org/10.5194/egusphere-2025-1921>, 2025.
4. Adekunbi, F., Grelaud, M., Langer, G., Chukwu, L., Álvarez, M., Odunuga, S., Schulz, K. G., and Ziveri, P. (2025) Wet and dry seasons modulate coastal coccolithophore dynamics off South-western Nigeria (Gulf of Guinea), *EGUsphere*, <https://doi.org/10.5194/egusphere-2025-3201>, 2025.
 5. Pallacks S, Pallacks S, Ziveri P, Jannke HA, Lin C-H, Subhas AV, Galbraith E, Kaboth Bahr S, Friedrich O, Bahr A, Koutsodendris A, Pross J, Norris RD (2025) Ocean deoxygenation linked to ancient mesopelagic fish decline. *Communications Earth & Environment, Nature*, **6**, 596, <https://doi.org/10.1038/s43247-025-02568-8>
 6. Fontenele Rabelo E, Maia Oliveira RC, do Nascimento Freitas J, Cândido da Silva ML, Brabo L, Ziveri P, Grelaud M, Bessa F, Sobral P, Guilherme A, Giarrizzo T, Oliveira Soares M, Microplastic pollution in bivalve species from tropical mangrove habitats, *Regional Studies in Marine Science*, **87**, 104227, <https://doi.org/10.1016/j.rsma.2025.104227>
 7. Langer G and Ziveri P (2025) Vulnerability to ocean acidification of marine calcifying organisms cannot be predicted from the mineral type in their shells, *Limnology and Oceanography Letters*, **10**, 4, 448-452. <https://doi.org/10.1002/lol2.70020>
 8. Mallo M, Ziveri P, Reyes-García V, Rossi S (2025) Temporal Shifts of *Posidonia oceanica* and *Corallium rubrum* in Cap de Creus (NE Spain): Recreational SCUBA diver's perception of change. *Mediterranean Marine Science*, **26**(2), 341–348. <https://doi.org/10.12681/mms.36446>
 9. Bianco S, Bordiga M, Langer G, Ziveri P, Cerino F, Di Giulio AS, and Lupi C (2025) Low sensitivity of a heavily calcified coccolithophore under increasing CO₂: the case study of *Helicosphaera carteri*, *Biogeosciences*, **22**, 7, 1821–1837, 2025, <https://doi.org/10.5194/bg-22-1821-2025>
 10. Rizzo L, Vega Fernández T, Necci F, Grelaud M, Ziveri P, Rossi S (2025) Can Marine Animal Forests benefit from existing conservation measures? A systematic approach towards the identification of protected sessile benthic species in the Mediterranean Sea, *Mediterranean Marine Science*, **26**, 2, <https://doi.org/10.12681/mms.38550>
 11. Anglada-Ortiz G, Rasmussen TL, Chierici M, Fransson A, Ziveri P, Thomsen E, Zamelczyk K, Meilland J, Ezat MM, Garcia-Orellana J (2025) Changes in planktic foraminiferal distribution, productivity, and preservation in the Barents Sea during the last three millennia. *Paleoceanography and Paleoclimatology*, **40**, 4, <https://doi.org/10.1029/2024PA004989>
 12. Chambon, M., Wambiji, N., Wandiga, J.N., Reyes-Garcia V, Ziveri P (2025). “Men don’t feel comfortable with successful female leaders”: exploring participatory exclusion in community-based fisheries management, South Coast of Kenya. *Maritime Studies*, **24**, 3 <https://doi.org/10.1007/s40152-024-00390-0>
 13. Peixodo Macedo T, Ziveri P, Varela B, Colonese A. (2025) Local knowledge and official landing data point to decades of fishery stock decline in West Africa, *Marine Policy*, **171**, 106447, <https://doi.org/10.1016/j.marpol.2024.106447>
 14. Steiner Z, Turchyn AV, **Ziveri P**, Shiller AM, Paytan A, Achterberg EP (2025) The roles of celestine and barite in modulating strontium and barium water-column concentrations in the northeast Pacific Ocean, *Geochimica et Cosmochimica Acta*, <https://doi.org/10.1016/j.gca.2024.10.003>

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15. de Vries J, Poulton AJ, Young JR, Monteiro FM, Sheward RM, Johnson R, Hagino K, **Ziveri P**, and Wolf L (2024) CASCADE: Dataset of extant coccolithophore size, carbon content and global distribution, *Scientific Data*, 11, 920, <https://doi.org/10.1038/s41597-024-03724-z>.
 16. Mallo, M, **Ziveri P**, Rossi, S, Reyes-García V (2024) Coastal marine habitats deterioration according to users' perception. The case of Cap de Creus Marine Protected Area (NE Spain), *Reg Environ Change* **24**, 155 (2024). <https://doi.org/10.1007/s10113-024-02322-4>
 17. Chambon, M, **Ziveri P**, and Alvarez Fernandez S, Chevallier A, Dupont J, Ngunu Wandiga J, Wambiji N, Reyes-Garcia V (2024) The gendered dimensions of small-scale fishing activities: A case study from coastal Kenya, *Ocean and Coastal Management*, 257, 107293, <https://doi.org/10.1016/j.ocecoaman.2024.107293>
 18. Chambon, M, **Ziveri P**, and Alvarez Fernandez S, Chevallier A, Dupont J, Ngunu Wandiga J, Wambiji N, Reyes-Garcia V (2024) T Weaving scientific and local knowledge on climate change impacts in coastal Kenya, Western Indian Ocean, *Environmental Science & Policy*, 160, 103846, <https://doi.org/10.1016/j.envsci.2024.103846>
 19. Guerreiro, V. C., **Ziveri P**., Cavaleiro, C., Stuut, J.-B.W. (2024) Coccolith-calcite Sr/Ca as a proxy for transient export production related to Saharan dust deposition in the tropical North Atlantic, *Scientific Reports*, **14**, 6211, *Publisher Correction*.
 20. Alcaíno A, Vidal L, Licari L, Paillès C, Conrod S, Dauvier J, Chevalier C, Pinazo C, Grelaud M, P. **Ziveri P** (2024) Influence of the Rhone River intrusion on microplastics distribution in the Bay of Marseille, *Regional Studies in Marine Science*, 73, 103457. <https://doi.org/10.1016/j.rsma.2024.103457>
 21. Guerreiro, V. C., **Ziveri P**., Cavaleiro, C., Stuut, J.-B.W. (2024) Coccolith-calcite Sr/Ca as a proxy for transient export production related to Saharan dust deposition in the tropical North Atlantic, *Scientific Reports*, **14**, 4295 (2024). <https://doi.org/10.1038/s41598-024-54001-3>
 22. Addante M, Grelaud M, Langer G, Maiorano P, Bonomo S, Álvarez M, Johnson R., **Ziveri P** (2023) Local hydrodynamic in coastal system affects the coccolithophore community at a short spatial scale, *Marine Micropaleontology*, 185, 102309. <https://doi.org/10.1016/j.marmicro.2023.102309>
 23. Chamboun M, Miñarro S, Alvarez-Fernandez S, Porcher V, Reyes-Garcia V, Tonalli Drouet H, **Ziveri P**, A (2023) Synthesis of Women's Participation in Small-Scale Fisheries Management: Why Women's Voices Matter, *Reviews in Fish Biology and Fisheries*, <https://doi.org/10.1007/s11160-023-09806-2>
 24. Anglada-Ortiz G, Meilland J, **Ziveri P**, Zamelczyk K, Chierici M, Fransson A and Rasmussen TL (2023) Seasonality of marine calcifiers in the northern Barents Sea: Spatiotemporal distribution of planktic foraminifera and shelled pteropods and their contribution to carbon dynamics, *Progress in Oceanography*, 218 (2023) 103121, <https://doi.org/10.1016/j.pocean.2023.103121>
 25. Pallacks S, **Ziveri P**, Schiebel R, Vonhof H, Rae J, Little E, Garcia-Orellana J, Langer G, Grelaud M, Martrat B (2023) Anthropogenic acidification of surface waters drives decreased biogenic calcification in the

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- Mediterranean Sea, *Communications Earth & Environment*, 4(1)
<https://www.nature.com/articles/s43247-023-00947-7>
26. Cavaleri Gerhardinger L, Brodie Rudolph T, Gaill F, Mortyn G, Little E, Vincent A, Firme Herbst D, **Ziveri P**, Jeanneau L, Laamanen M, Cavallé M, Marisca Gietzelt J, Glaser M, Chambon M, Jacquemont J, Ahmed Selim S, Brugere C, Brito C, Pereira LM, Amezaga S, Fernández Muñoz N, Becquet L, Lalo A & Colonese AC (2023) Bridging Shades of Blue: Co-constructing Knowledge with the International Panel for Ocean Sustainability, *Coastal Management*, <https://doi.org/10.1080/08920753.2023.2244082>
 27. Soares MO, Garcia TM, Giarrizzo T, Martinelli Filho JE, Tavares TCL, Ziveri P, Smith TB, Bejarano S, Teixeira CEP (2023) Anthropogenic marine debris provide long-distance pathways for spreading invasive corals, *Science of the Total Environment*, 900, 20, 165637, <https://doi.org/10.1016/j.scitotenv.2023.165637>
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- coccolith CaCO_3 fluxes in the NE Atlantic (34°N, 21°W and 48°N, 21°W) *Deep-Sea Research II*, 47, 9-11: 1877-1905.
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6.2 Peer-reviewed journal articles presently in review or submitted

- Kekelou et al., Endolymph-otolith in fish: an underexplored system to study minor element partitioning into calcium carbonate biominerals, BG.
- Lucas et al., Tropicalization and biodiversity restructuring of calcifying plankton in a rapidly warming Mediterranean Sea, GPC.
- Biernsteil et al., Microlitter sources and distribution from tropical to temperate regions of the Atlantic Ocean, MPB

- Back et al. Decoding the evolution of Marine Plastic Litter Research by large language models.
- Johnson R, Manno C, Ziveri P, *Heliconoides inflatus* shell mass and production in the Mediterranean Sea
- Jannke et al. Fish Production in the Aegean during the Mesolithic-Neolithic transition.
- Thais Macedo Peixoto et al., Historical ties shape fisheries research in West Africa
- Ziveri et al., Calcifying plankton diversity change in the North Pacific.
- Ziveri et al., Coccolith Geochemistry in Arabian Sea sediments over the last 30 kyr,
- responses to Southern Ocean iron fertilization during the last deglaciation.

6.3 Books, book chapters, special issues (peer-reviewed)

1. Diaz K, Jella K, Kiefer T, de Moor W, Beck, A Brandt L, Regoli F, Sempere R, Vollersten J, Ziveri P (2025) Key results JPI Oceans microplastics projects. JPI Oceans. 2024, pp.12-35. hal-04808807
2. *Frontiers in Marine Science*, Marine Biogeochemistry, Research Topics: **Main Drivers Regulating the Ocean Carbonate Production and Export**, Eds: Manno C, Ziveri P, Subhas A, Koeve W. (2021).
3. **Ziveri P**, Delpiazzi E, Bosello F, Eboli F, van den Bergh J (2017) Adaptation policies and strategies as a response to ocean acidification and warming in the Mediterranean Sea, In: **Handbook on the Economics and Management for Sustainable Oceans**, Editors: Lisa Emelia Svansson, Paulo A.L.D. Nunes, Pushpam Kumar and Anil Markandya: 339-352.
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5. "Characterization of climatic variability in the Iberian Peninsula during the last centuries", 2011, Special issue of *Climate of the Past*: Editors: F. Domínguez-Castro, D. Wheeler, V. Rath, and **P. Ziveri**.
6. Bijma, J., Barange, M., Brander, L., Cardew, G., de Leeuw, J. W., Feely, R., Fernand, R., Ganssen, G., Gattuso, J. P., González Dávila, M., Haugan, P., Held, H., Hood, M., Kiefer, T., Kozyr, A., Orr, J., Pörtner, H.-O., Rehdanz, K., Reichart, G.-J., Rodhouse, P., Schmidt, F., M., T., Turley, C., Urban, E., **Ziveri, P.**, Lipiatou, E., Avril, B., and Turk, D., (2009) "Impacts of Ocean Acidification", European Science Foundation, Policy Briefing 37, 12pp.
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8. **Ziveri, P.**, Meier, S.K.J., Auliahierliaty, L., Beaufort, L., Stoll, H.M., Triantaphyllou, M., (2008) Impact of acidification on the pelagic calcifying organisms in the Mediterranean, In: "Impact of Acidification on Biological, Chemical and Physical Systems in the Mediterranean & Black Sea, *Mediterranean Science Committee (CIESM)*, Monograph Series, 36, 99-101.

9. **Ziveri, P.**, Baumann, K.H., Böckel, B. Bollmann, J. and Young, J. (2004) Present day coccolithophore-biogeography in the Atlantic Ocean in Thierstein, H. and Young, J. Eds. *Coccolithophores: From Molecular Processes to Global Impact*. Springer Verlag: 403-428.
10. Stoll, H.M. and **Ziveri, P.** (2004) Coccolithophore-based geochemical proxies. in Thierstein, H. and Young, J. Eds. *Coccolithophores: From Molecular Processes to Global Impact*. Springer Verlag: 529-562
11. **Ziveri P.**, Young, J. and van Hinte, J. E., (1999) Coccolithophore export production and accumulation rates, In: On determination of sediment accumulation rates, *GeoResearch Forum, Trans Tech Publications LTD*, Switzerland, Volume 5: 41-56.
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13. **Ziveri, P.**, De Lange, G.J., Rossignol-Strick, M., Schrader, H., Thomson, J., (1996) Biogeochemical Cycles in the eastern Mediterranean; Actuo (seasonal/annual) variations, In: 2nd Workshop of Mediterranean Target Projects, (P. Wassmann and T.Telepides, Eds.): 217-221.
14. **Ziveri, P.**, Grandi, C., Stefanetti, A., (1995) Biogenic fluxes in Bannock Basin: first results from a sediment trap study (November 1991 - May 1992). *Rend. Fis. Acc. Lincei*, 9, 6: 131-145.

6.4 Other publications, assessment reports, white papers, policy briefings

- Diaz, Kelly and Jella, Kandziora and Kiefer, Thorsten and de Moor, Willem and Beck, Aaron and Brandt, Luca and Francesco, Regoli and Sempere, Richard and Vollersten, Jes and **Ziveri, Patrizia**, 2024, Key results JPI Oceans microplastics projects, JPI Oceans. 2024, pp.12-35. [\(hal-04808807\)](#)
- Ziveri, P.**, Grelaud, M., Pato, J., 2023, Research for REGI Committee – [Study on Actions of cities and regions in Mediterranean Sea area to fight sea pollution; Reducing marine litter and plastic pollution], European Parliament, Policy Department for Structural and Cohesion Policies, Brussels. [http://www.europarl.europa.eu/thinktank/en/document/IPOL_STU\(2023\)7331_23](http://www.europarl.europa.eu/thinktank/en/document/IPOL_STU(2023)7331_23)
- i-plastic Project Consortium: [10 facts on microplastics and nanoplastics in estuarine environments](#).
- Ramessur R. T., Shaltou N., Sherif S., Bantelman A., Eakes T., Swarzenski P, Dupont S., Ferse S., Kelsey H. & **Ziveri P.**, 2021. [Ocean acidification in Africa](#). The Ocean Acidification Africa Hub, Global Ocean Acidification Observing Network (GOA-ON), The Ocean Foundation, International Atomic Energy Agency-Ocean Acidification International Coordination Centre (IAEA OA-ICC) & Future Earth Coasts.
- [Microplàstics en el medi ambient \(en especial en el Mediterrani\)](#). Origen, distribució, efectes i recomanacions. Assessment report Institut d'estudis Catalans (CAPCIT) (Informe CAPCIT 1/2021).
- Balzan MV, Hassoun AER, Aroua N, Baldy V, Bou Dagher M, Branquinho C, Du-tay J-C, El Bour M, Médail F, Mojtahid M, Morán-Ordóñez A, Roggero PP, Rossi Heras S, Schatz B, Vogiatzakis IN, Zaimes GN, **Ziveri P** (2021) Ecosystems. In: Climate and Environmental Change in the Mediterranean

Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report [Cramer W, Guiot J, Marini K (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, 151pp, *Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report-Chapter 4 "Ecosystems"*. 323-468, ISBN 978-2-9577416-0-1; DOI: 10.5281/zenodo.4768833.

Available at: <https://www.medecc.org/first-mediterranean-assessment-report-mar1/>, <https://zenodo.org/record/4768833#.YUZboC0Rpqs>, (The Network of Mediterranean Experts on Climate and Environmental Change (MedECC) was awarded with the [2020 NORTH SOUTH PRIZE OF THE COUNCIL OF EUROPE'S LAUREATES](#))

Ocean Acidification in the Gulf of Guinea (expected 2021) White paper endorsed by OA-ICC, IOC, Future Earth Coasts; Working group.

UNEP (2016). [Marine plastic debris and microplastics – Global lessons and research to inspire action and guide policy change](#). United Nations Environment Programme, Nairobi.), ISBN No: 978-92-807-3580-6.

GESAMP (2016). "[Sources, fate and effects of microplastics in the marine environment: part two of a global assessment](#)" (Kershaw, P.J., and Rochman, C.M., eds). (IMO/FAO/UNESCO-IOC/UNIDO/WMO/IAEA/UN/ UNEP/UNDP Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection). Rep. Stud. GESAMP No. 93, 220 p.

Paul Snelgrove and **Patrizia Ziveri**, (2016) Chapter 7: Biodiversity loss. In Williamson, P., Smythe-Wright, D., and Burkill, P., Eds. *Future of the Ocean and its Seas: a non-governmental scientific perspective on seven marine research issues of G7 interest*. ICSU-IAPSO-IUGG-SCOR, Paris, 53pp.

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Calvo, E., 1, I. Cacho, I., Pelejero, C., Grimalt, J.O. , Mortyn, P.G., Zahn, R., and **Ziveri, P.** (2014) Long-term perspectives on ocean and climate dynamics – Three decades of ICP. *PAGES MAGAZINE* · 22 ·1 · April 2014: 47.

Ziveri, P., 2012, Research turns to acidification and warming in the Mediterranean Sea, *IMBER* (Integrated Marine Biogeochemistry and Ecosystem Research), Newsletter Issue #20.

Ziveri, P., Atmospheric CO₂, ocean acidification, and ecological changes in planktonic calcifying organisms. ESF- EuroCLIMATE Workshop report, **P. Ziveri**, The Eggs, E.G.U. newsletter, issue 22 (2007). (<http://the-eggs.org/articles.php?id=112>)

Impacts of Ocean Acidification, Science Policy Briefing 37, *European Science Foundation*, August 2009.

<https://www.uab.cat/doc/Science-Policy-Briefing.-Impacts-of-Ocean-Acidification>

Kiefer, T., Barker, S., Schmidt, D., and **Ziveri, P.**, (2008) Improving our understanding of the marine biotic response to anthropogenic CO₂ emission, *PAGES*, 16, 2: 35-36.

6.5 Congress presentation

>200 congress presentations. In the last 10 years, I have received more than 70 invitations for lectures, presentations and for session organizations at high profile international conferences, workshops and in department lectures.

7. Scientific committee memberships and service to the scientific community

- Expert panel member of *Sinergia* program evaluation committee, *Swiss National Science Foundation* (SNSF) (2022-present).
- Scientific Committee member *ASLO 2023* - Aquatic Sciences Meeting, Resilience and recovery in aquatic system.
- Leading Dissemination, Communication, and Bottom-up Policies of the [COST ACTION, CA20102](#) - *Marine Animal Forest of the world*, 2021-25.
- Associate Editor of *Scientific Reports* (Nature Portfolio).
- Review editor for Marine Ecosystem Ecology and Guest editor for Marine Biogeochemistry of *Frontiers in Marine Sciences*.
- Jury member of the *Premios Nacionales de Investigación* 2021.
- Evaluation committee member Spanish *Juan del Cierva program* 2020.
- Advisory board of The Mediterranean Institute for the Environmental Transition (ITEM) at Aix Marseille University, France, 2020-2023.
- Research Topic Editor, Main Drivers Regulating the Ocean Carbonate Production and Export, *Frontiers in Marine Sciences*, 2019-2021.
- Scientific Committee member *ASLO 2021* - Aquatic Sciences Meeting, 2020-2021.
- Advisory board member of Long-term coastal adaptation, food security and poverty alleviation in Latin America *ERC consolidator project*, 2019-2024.
- Lead Author of Chapter 4 - Ecosystems - *MedEcc, Current Situation and Risks for the Future, First Mediterranean Assessment Report* 2021.
- Expert member, Climate and Environmental change and their consequences in the Mediterranean Sea (MedECC), 2019-2020.
- Expert panel member European Research Council (ERC), 2014-2020.
- Steering Committee member of the 'Severo Ochoa' centers and 'María de Maeztu' units Alliance (SOMMa) for research excellence in Spain. WP4 (Mobility and exchange) leader, [2017-2019](#).
- Advisor, Ocean Acidification Steering Committee Ocean Acidification Africa (2015-present).
- Short Term Scientific Missions (STSM) co-coordinator with Philipp Pattberg within the COST ACTION, Ocean Governance for Sustainability - challenges, options and the role of science (CA 15217), 2016-2018.
- Expert panel member National Science Foundation Research, Poland, (POLONEZ program) 2016.
- Expert member of Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (UN-GESAMP), Working Group 40 - Phase2: Sources, fate and effects of microplastics, 2015-2017.
- Member of the Advisory Board for the IAEA project "Ocean Acidification International Coordination Centre" (OA-ICC), Monaco, since 2013-2025.
- Member of the SOLAS/IMBER carbon group, WG3 ocean acidification (SIOA), 2012-2024.
- Member of the study group on ocean acidification (SGOA) OSPAR (commission of protecting and conserving the North-East Atlantic and its resources)-ICES (International Council for the Exploration of the Sea), 2012-2014.
- Editorial Advisory Board of the journal on "*Ocean Acidification*" by Versita and Springer, since 2011.
- Associated Editor of *Climate of the Past* (CP), EGU journal, 2006 -2013.

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- Member of the *International Reference User Group (RUG) for Ocean Acidification* since 2010-2013
 - Scientific Steering Committee European Science Foundation EuroCLIMATE Programme (2004-2008).
 - Steering Committee member, Dutch Science Foundation *Open Program Geo-Biosphere* (2004-2008).
 - Member of the Review Panel for the European Science Foundation.
 - Member of the Review Panel for the Natural Environment Research Council (NERC), UK.
 - Member of the European Graduate College 'Proxies in Earth History' (EUROPROX).
 - Pool of experts of GESAMP, UN Group of Experts on the Scientific Aspects of Marine Environmental Protection.
 - Member of the International Urbino Summer School in Paleoclimatology (USSP).
 - Peer reviewer for research proposals submitted to the US National Science Foundation (NSF).
 - Peer reviewer for research articles submitted to *Biogeosciences, Climate of the Past, Deep-Sea Research, Earth and Planetary Science Letters, Geochimica Cosmochimica Acta, Geochemistry Geophysics Geosystems, Global Biogeochemical Cycles, Marine Geology, Marine Micropaleontology, Limnology and Oceanography, Nature, Nature Protocol, Nature Geosciences, Nature Climate Change, Paleoceanography, Palaeogeography, Paleoclimate, Progress in Oceanography, Science*.

8. Thesis supervision

8.1 Ph.D. theses

Fernando Javier Riuz Iglesias, Analyzing the blue carbon as a conservation and climate change mitigation strategy, expected 2026, co-supervisor.

Thais Macedo, Decadal to centennial timescale changes on fisheries in North West Africa, expected 2027, co-supervisor.

Athina Kekelou, Global change impacts, on oceanic and coastal systems: food web dynamics based on fish record. expected 2027, co-supervisor.

Arturo Lucas Forcadell, Marine planktonic calcifiers in high-CO₂ world: biodiversity and biogeochemistry, expected 2026.

Falilu Adekunbi 'Coccolithophores and ocean acidification seasonal dynamics in the Gulf of Guinea', University of Lagos, Nigeria, expected 2025, co-supervisor.

Stéphanie Birnstiel, Dispersion and impacts of microplastics from coastal to pelagic Systems, expected 2025.

Gianluigi De Tommasi, Environmental sustainability and interaction of agrochemicals with innovative plastic materials for agricultural use, May 2025, co-supervisor.

Chambon, Mouna, Gendered perceptions of climate change impacts in Northeastern Africa (UAB) July 2024, co-supervisor.

Henrique Back, Machine learning applied to microplastic research, Universidade Federal de Santa Catarina, Brazil, 15 May, 2024, co-supervisor.

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- Griselda Anglada-Ortiz, Ocean acidification effects on planktic calcifiers and biological pump efficiency, CAGE, University of Tromsø, Norway, December 2023, co-supervisor.
- Sven Pallacks, 'The evolution of human impact in the Mediterranean Sea', Universitat Autònoma de Barcelona (UAB), September 2023, co-supervisor.
- Roberta Johnson 'Assessing the effect of climate change on three major planktonic calcifying organisms in the Mediterranean Sea: pteropods, foraminifera and coccolithophores' (UAB) 14 February 2023.
- Laura Simon, Effects of plastic waste generated by tourism on Mediterranean islands, Universitat Autònoma de Barcelona (UAB), 6 October 2022.
- Miguel Mallo, Mediterranean coastal marine biodiversity under climate change: Local knowledge, perceptions and values, Universitat Autònoma de Barcelona (UAB), 17 March 2022, co-supervisor.
- Chiara Balestrieri, 'Southern Ocean carbonate dynamics during the last deglaciation', University of Padua, Italy, February 2019.
- Anaid Rosas Navarro "Impact of climate warming and acidification on coccolithophore ecology and calcification", Universitat Autònoma de Barcelona (UAB), August 2018.
- Barbara d'Amario, "Mediterranean Sea climate and environmental change: decoupling natural versus anthropogenic impacts on planktonic calcifying organisms", Universitat Autònoma de Barcelona (UAB), 2017.
- Sonia Chaabane, "Geochemical investigation of the Mediterranean red coral *Corallium rubrum* for paleo-temperature and pH reconstructions", (supervisor Nejib Kallel, co-supervisor: P. Ziveri) Universitat of Sfax, Tunisia, 2017.
- Luis Rodrigues, "Socio-economic impacts of ocean acidification in the Mediterranean Sea", (supervisor J. van den Bergh, co-supervisor: P. Ziveri), Universitat Autònoma de Barcelona (UAB), 2016.
- Ángela Oviedo Sabogal, "Effects of phosphorus limitation and ocean acidification on coccolithophores in the Mediterranean Sea", Universitat Autònoma de Barcelona (UAB), 2015.
- Mascha Dedert "Carbon acquisition in calcareous phytoplankton during major greenhouse events: from biological processes to geological record" Vrije Universiteit Amsterdam, 2012.
- Katharina Stolz "150ky reconstruction of North Atlantic photic zone dynamics using coccolithophore-based ecological and chemical proxies", (co-supervisors K.-H. Baumann and P. Ziveri), University of Bremen, 2009.
- Meral Köbrich "Calcareous nannoplankton as palaeoceanographic tools", (co-supervisors K.-H. Baumann and P. Ziveri), University of Bremen, Germany, 2008.
- Bianca Bernardi "Coccolithophorids export production in Cariaco and Santa Barbara Basin from interannual to millenia scale" University of Milan, 2005.
- Elisa Malinverno "Biogeochemical fluxes in the Eastern Mediterranean Sea" University of Milan-Bicocca, 2004.
- Alexandra Broerse "Coccolithophore export production in selected oceanic environments: seasonality, biogeography, carbonate production" Vrije Universiteit Amsterdam, 2000.
- Simona Giunta "Coccolithophore ecology and their biogeochemical composition as proxies for paleoclimatic and paleoceanographic reconstructions of last 18 000 years of the central-eastern Mediterranean", (supervisors A. Negri and co-supervisor P. Ziveri), Università Politecnica delle Marche, 2000.

8.2 M.S. theses

- Meryem Upson, Variability of the Distribution of Particulate Carbon Fluxes across the Mediterranean Basin, Utrecht University, Master internship, NL, 2024.
- Shania Jansen, Microplastic contamination in wild and commercial mussels from the Alfacs Bay, Spain, University of Amsterdam, UK 2023.
- Sara Blazques, Coccolithophore calcification response to Southern Ocean biogeochemistry, (UAB) 2023.
- Michelangelo Lixi, Holocene pteropod record in the Mediterranean Sea, (UAB) 2023.
- Jorge Pato, A review of actions taken by EU regions and EU cities to fight marine pollution and focussing on marine litter, (UAB) 2023.
- Margarida Ramis Oliver, Ocean acidification biological impacts in the Mediterranean Sea: a meta-analyses, (UAB) 2023.
- Vivian Nelly, Foraminifera diversity dynamics during the common Era in the Alboran Sea, Mediterranean Sea, (UAB) 2023.
- Christiana McCrimmon "Environmental Factors Modulating the Coccolithophore Distribution in the Atlantic Sector of the Southern Ocean (Scotia Sea)" ICTA-Universitat Autònoma de Barcelona (UAB) 2022
- Maria Iordanoglou "Distribution of microplastics in the North-East Pacific Ocean" ICTA-Universitat Autònoma de Barcelona (UAB) 2021
- Clara Álvarez Hernández "Microplastics characterization in the river waters, river sediments and sandy beaches of the Ebro delta (northwestern Mediterranean Sea, Spain)" ICTA-Universitat Autònoma de Barcelona (UAB) 2021
- Marco Franci "Microplastics Occurrence and Distribution in Surface Waters of the North Western Mediterranean: A Review and a Case Study" ICTA-Universitat Autònoma de Barcelona (UAB) 2020.
- Joaquin de Entrambasaguas "Proxies for inferring fish abundances. A comparative review on Micropaleontology" Master in Paleobiology and Fossil Record, ICP, UAB, 2020
- Marina Addante "Coccolithophore Distribution from water and sediment samples in the Ebro Delta coastal area (Spain)", Università degli Studi di Bari Aldo Moro 2020.
- Jacob Joshua Rosenak Parker, "State of Knowledge on Ocean Acidification Effects in the Mediterranean: A Meta-Analysis". ICTA-Universitat Autònoma de Barcelona (UAB) 2020.
- Susanna Pérez Martínez "Microplastics and anthropogenic microfibers in the upper 200 m of the northeastern Pacific Ocean" ICTA-Universitat Autònoma de Barcelona (UAB) 2019.
- Laura Lydia Gaskell "What are the concentrations and characteristics of microplastics found in the North East Pacific Ocean?" ICTA-Universitat Autònoma de Barcelona (UAB) 2018.
- Helena Samodurova "Sampling planktonic calcifying organisms: the effect of mesh size", ICTA-Universitat Autònoma de Barcelona (UAB) 2018.
- Anna Viedma I Barba "Characterization of environmental parameters determining the distribution, abundance and diversity of Coccolithophores in the North

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- Pacific", Oceanography and marine environmental management Universitat de Barcelona (UB) 2018.
- Elisa Quarta "Detriti Microplastici nel Mar Mediterraneo: Incidenza e Distribuzione lungo la costa Catalana Settentrionale", Università del Salento 2018.
- Sven Pallacks "Planktic foraminiferal species and mass dynamics during the last 500 years: A case study in the Alboran Sea", ICTA-Universitat Autònoma de Barcelona (UAB) 2017.
- Timothy Pritchard, ICTA "Determination of Past Humid and Arid Periods using XRF Analysis on Marine Cores in the Western Mediterranean since the Little Ice Age as a Response to the North Atlantic Oscillation", ICTA-Universitat Autònoma de Barcelona (UAB) 2017.
- Laura Simon Sánchez "Microplastic particles in the Ebro Delta, Spain: Occurrence, composition, sources and quantification procedures", ICTA-Universitat Autònoma de Barcelona (UAB) 2017.
- Lara Peralta Cortegoso "Microplastic Debris in the Mediterranean Sea: Occurrence and Distribution along the Northern Catalan Coast", ICTA-Universitat Autònoma de Barcelona (UAB) 2017.
- Carlos Pérez, "Coccolithophore response to warming and ocean acidification in Eastern Mediterranean from a mesocosm experiment" Universitat Autònoma de Barcelona (UAB) 2017.
- Griselda Anglada Ortiz "Planktic foraminiferal species and mass dynamics during the last few centuries: a case study in the North- Western Mediterranean Sea" (UB) Oceanography and marine environmental management Universitat Autònoma de Barcelona (UAB) 2016.
- Miguel Mallo, "Abundance and distribution of living planktic foraminifera in the Mediterranean Sea" (UAB) 2015.
- Sara Milner "Elevated CO₂ and temperature is impacting marine calcification and morphogenesis?" Universitat Autònoma de Barcelona (UAB) 2014.
- Ramiro Mato "Mediterranean seawater carbonate system dynamics during the last deglaciation and last millennia", Universitat Autònoma de Barcelona (UAB), Joint European Master in Environmental Studies 2014.
- Chiara Balestrieri "Carbonate dynamics in the Southern Ocean during the last deglaciation", Erasmus exchange program, Università di Padova, Italy, 2014.
- Ee Zin Ong "Effect of ocean acidification and temperature on Mediterranean jellyfish", Universitat Autònoma de Barcelona (UAB), Joint European Master in Environmental Studies 2013.
- Mariana Tatsumi Horigome "Carbonate dynamics in the Southern Ocean during the last deglaciation", ICTA-Universitat Autònoma de Barcelona (UAB), Joint European Master in Environmental Studies, 2012.
- Marcello Passaro "CO₂ vents in the Mediterranean Sea: a natural laboratory for studying the impact of ocean acidification on marine ecosystems", Universitat Autònoma de Barcelona (UAB), Environmental Sciences, 2011.
- Anaid Rosas Navarro "Temperature reconstructions of the California current along the last glacial-interglacial transition", Universitat Autònoma de Barcelona (UAB), Environmental Sciences, 2009.
- Marilisa Cagnetti "Calcareous nannofossil-based paleoceanography during the marine isotopic stages (MIS) 5 e 6 in the Aghulhas Bank (MD96-2080), Atlantic Ocean", Geological Sciences, University Parma, 2008.
- Lia Auliahherliaty "Coccolithophore response to marine fertilization in the present Mediterranean and during sapropel formation" Dept. of Paleoclimatology and Geomorphology, Vrije Universiteit Amsterdam, Earth Sciences, 2005.

Bianca de Bernardi "Coccolith carbonate production in Santa Barbara Basin, Southern California borderland, is linked to interannual and interdecadal climate" University of Milan, Italy, Earth Sciences, 2002.

Elisa Malinverno "Coccolithophore productivity in the eastern Mediterranean Sea" Dept. of Earth Sciences, University of Milan, Ciències de la Terra, 2000.

Barbara Balestra "Quaternary paleoecology and paleoceanography of the Greenland Sea" Dept. of Earth Sciences, University Firenze, Earth Sciences, 2000.

Jorijntje Henderiks "Cenomanian-Turonian calcareous nannoplankton of the Russian craton platform: biostratigraphy and paleoceanography" Dept. of Marine Geology, Vrije Universiteit Amsterdam, Earth Sciences, 1997.

Alessandra Stefanetti "Biogenic fluxes in oxic and anoxic environments in the eastern Mediterranean Sea, Part II", Dept. of Earth Sciences, University of Milan, Earth Sciences, 1995.

Cristina Grandi "Biogenic fluxes in oxic and anoxic environments in the eastern Mediterranean Sea, Part I", Earth Sciences, University of Milan, Ciències de la Terra, 1995.

9. Supervision of researchers, and visiting scientists

Henrique Back, Machine learning applied to microplastic research, CAPES Print program grant, Universidade Federal de Santa Catarina, Brazil

Gabriel Böhnke, Biodiversity of coccolithophores, Erasmus +, UCLouvain, Belgium, 2023.

Shania Jansen, Microplastic in the Ebro delta, Erasmus +, University of Amsterdam, NL, 2023.

Richard Norris, Prof. at Scripps Institution of Oceanography, University of California, San Diego, USA, Sabbatical, Ocean deoxygenation and fish decline from sedimentary record.

Athina Kekelou, Microplastics in water and sediment samples, Erasmus +, Hellenic Center of Marine Research, Greece, 2022-23.

Gerald Langer, Maria Zambrano research fellowship, Calcification in calcareous phytoplankton, coccolithophores, 2022-2025

Eloise Littley, Maria de Maetzu unit of excellence, postdoctoral fellowship, Ocean social challenges, paleoceanography and paleoclimate, 2022-2024

Carlos Eduardo Peres Teixeira, Universidade Federal do Ceará and Labomar, Brazil, visiting scholar, sabbatical, 2021-2022.

Viktor Sukhorukov, PhD student, Microplastics in the Catalan Sea, Erasmus +, 2021-22.

Michaël Grelaud, researcher on 'i-plastic - Dispersion and impacts of micro- and nano-plastics in the tropical and temperate oceans: from regional land-ocean interface to the open ocean, 2020-2023.

Lydia Kapsenberg, postdoctoral fellowship, JUAN DE LA CIERVA-INCORPORACIÓ, 2020-2023 resigned for family reasons (2020).

Catarina V. Guerreiro, DUSTCO, Marie Skłodowska-Curie European Fellowship, 2020 at ICTA-UAB, in collaboration with NIOZ, The Netherlands.

Michaël Grelaud, researcher on 'Seasonal variation of coastal plastic pollution effected by tourism', EU BLUEISLANDS project, 2017-2020.

Sergio Rossi 'Human ecological footprint' on benthic systems and implications for ecosystem services Projecte P-SPHERE (H2020-Marie S. Curie Actions-COFUND), research fellowship 2016-2019.

Michaël Grelaud 'Mediterranean planktonic calcifiers decadal variability', postdoctoral fellowship, 2015-2016.

Gianluca Marino 'Past Mediterranean carbonate dynamics and impact of ocean acidification on planktonic calcifiers' MedSeA project, EU - FP7, Mediterranean Sea Acidification in a Changing Climate (MedSeA), 2011-2013.

Michaël Grelaud 'Decadal scale Variability of the Mediterranean Ecosystem (MedEcos)' (EU, Era-Net, MarinERA), 2009-2013.

Richard Zeebe, University of Hawaii at Manoa, Visiting Professor, sabbatical, 2008-2009.

Gianluca Marino 'Foraminifera and coccolithophore chemistry to reconstruct the deglaciation in the Southern Ocean', Universitat Autònoma de Barcelona (UAB) postdoctoral fellowship, 2008-2010.

Gerald Langer 'Calibration and validation of geochemical proxies for sea surface temperature: Toward improved paleoclimatic reconstructions of upper ocean parameters.' Juan de La Cierva fellowship, 2008-2010.

9.1. Other supervision

Maite Jiménez Batista, ICTA-UAB unit of excellence 'Maria de Maetzu', project manager 2019-2020.

Pedro M. Gonzales Hernandez, ICTA-UAB unit of excellence 'Maria de Maetzu', project manager 2016-2019.

Maria Pastor, ICTA-UAB unit of excellence 'Maria de Maetzu', technical scientific manager for open science, open access publications and data.

Marina Utges, ICTA unit of excellence 'Maria de Maetzu', project manager 2016.

Andrea Ciambra, MedSeA project manager, 2014.

Ana Claudia Popartan, MedSeA project manager, 2012 – 2014.

Rahiman Abdhulla, MedSeA project manager, 2011-2012.

Anna Ripoll, MedSeA project communication assistant, 2011-2014.

Miriam Gentile, laboratory technician, 2011-2012.

10. External member of examination boards

Thibault Maxime Béjard, PhD Thesis, University of Salamanca, 2024.

Giuseppe Suara, PhD Thesis, Universitat de les Illes Balears, 2021.

Nina Delebecque, PhD Thesis, University of Brest, France, 2017.

Montserrat Roca Marti, PhD Thesis, Universitat Autònoma de Barcelona (UAB), Spain, 2017.

Luka Supraha, PhD Thesis, Uppsala University, Sweden, 2016.

Leticia Franco, PhD Thesis University of Oviedo, Spain, 2016.

Justine Luis, Université Pierre et Marie Curie, Laboratoire d'Océanographie de Villefranche sur mer, France, 2015.

Laure Maugendre, University Pierre et Marie Curie, Laboratoire d'Océanographie de Villefranche sur mer,, France, 2014.

Hassoun Abed El Rahman, PhD Thesis, University of Perpignan, France, 2014.

Patricia Jimenez Amat, PhD. Thesis, Universitat Autònoma Barcelona (UAB), Spain, 2013.

Joana Cubillos, Ph.D. thesis, University of Tasmania, Australia, 2012.

Manuela Bordiga, Ph.D. thesis, University of Pavia, Italy, 2012.

Sarah Fiorini, Ph.D. thesis, INSU-CNRS, Laboratoire d'Océanographie Villefranche, France. 2010.

Cesar Negre, Ph.D. thesis, Universitat Autònoma de Barcelona (UAB), Spain, 2010.

Michael Grelaud, Ph.D. thesis, CEREGE, Université d'Aix-Marseille, France, 2008.

Alfredo Martínez García, M.S. thesis, Universitat Autònoma de Barcelona (UAB), Spain, 2006.

Alessandro Incarbona, Ph.D. thesis, Università degli Studi di Palermo, Italy, 2007.

Claudia Agnini, Ph.D. thesis, Università degli Studi di Padova, Italy, 2007.

Katja Ivanova, Ph.D. thesis, Vrije Universiteit Amsterdam, The Netherlands, 2000.

Shirley van Kreveld-Alfane, Ph.D. thesis, Vrije Universiteit Amsterdam, the Netherlands, 1996.

11. Invited speaker in seminars, symposia and workshops, selected (2008-2024)

- 2024 Actions of cities and regions in the Mediterranean Sea area to fight sea pollution' ENT marine pollution, [PensamENTs](#) speaker, ENT event, March.
- 2024 How accelerated accumulation of carbon dioxide changes the ocean and related societal challenges, Keynote presentation at INQUA-MARE workshop on tropical-realm, San José, Costa Rica, January.
- 2023 Dispersion and impacts of micro- and nano-plastics in the tropical and temperate oceans", Keynote presentation, Joint Action "Ecological aspects of microplastics", JPI Oceans Program end-term meeting, Marine Institute, Galway, Ireland.
- 2022 Bridging the gap between social and natural sciences in ocean acidification in Africa. Earth System approach: addressing resilience, ocean acidification adaptation and resilience in Africa, #Atoms4Climate, IAEA, COP27, Sharm El-Sheikh, Egypt, Online presentation
- 2022 Ocean acidification research and cooperation priorities and regional hubs, SOLAS-IMBER ocean acidification (SIOA) and OA-ICC expert group, Annual meeting, Lima, Peru
- 2022 Ecological Aspects of Microplastics – JPI Oceans program
- 2022 ICTA-UAB panelist in a round table "Biodiversity and Climate change" María de Maeztu DAY 2022 – SUMMER EDITION
- 2022 Joint Action: Ecological Aspects of Microplastics, JPI-Oceans program
- 2021 State of knowledge of Mediterranean Sea acidification and lessons learned from the MedSeA EU project, The ocean acidification conference – Interface between civil society, science and policy (SI. Swedish Institute, Airpollution and climate secretariat, NOVIA university of applied sciences) online.

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- 2021 Risks associated with environmental change in the Mediterranean Basin Sustainability Research & Innovation Congress 2021, June 12-15, 2021, Online and onsite in Brisbane, Australia.
 - 2021 Current state of knowledge on ocean acidification in the Mediterranean Sea and socio-economic considerations and future priorities at IUCN/RUG webinar on Ocean Acidification in the Mediterranean Sea within Monaco Ocean-Week, Future Priorities for Addressing Ocean Acidification in the Mediterranean: from research to policy (Mar)
 - 2021 Promoting Ocean Acidification Awareness and Research in Africa: Virtual event by IAEA Ocean Acidification International Coordination Center (Feb)
 - 2020 Overview of OA research in the Mediterranean and knowledge gaps, Ocean Acidification Week A virtual multi-day forum to highlight ocean acidification research and initiatives, Global Ocean Acidification Observing Network, NOAA, OA Med Hub (Mediterranean Region) (Sep)
 - 2020 Overview of the I-plastic project; JPI Oceans program - Microplastic virtual kick-off meeting, <http://www.jpi-oceans.eu/news-events/events/microplastics-kickoff-meeting> (May)
 - 2019 First SOMMa (<https://www.somma.es/articles/somma-1st-meeting-gender-equality-policy>) gender equality event, workshop - Gender in scientific excellence within the Spanish centers of Excellence – presenter and co-organiser in collaboration with CNIO and the British Embassy, Madrid (October)
 - 2019 Round Table: How to deal with environmental transition and sustainable development in scientific strategies? Conference on What kind of environmental transition for the Mediterranean region? Founding of a new "Institut de la Transition Environnementale", IMBE, Marseille Université France (September)
 - 2019 High-level panel member on Blue Oceans Conference themes: Climate Change. Key-note presentation on 'A changing ocean under climate change'. Blue Oceans Conference, March 18-21, Monrovia, Liberia (March).
 - 2018 'The present impacts and the future risks for the Mediterranean Sea ecosystems' keynote lecture at 3rd International Symposium of Ocean Governance and Sustainability- Working Group Ocean Acidification and Climate Change (OACC), Portugal (videoconference).
 - 2018 Invited lectures and discussion panel member at conferences, workshops and EU Parliament event on microplastics, marine litter and sustainable tourism.
 - 2017 'Science cooperation to address policy demands and best practices the importance of regional and global ocean acidification observing networks – Ocean Acidification workshop for Western Indian Ocean (WIO) region – Western Indian Ocean Marine Science Association (WIOMSA), Future Earth Coasts, Global Ocean Acidification Observing Network (GOA-ON), IAEA Ocean Acidification International Coordination Centre (OA-ICC), IOC-UNESCO, Dar es Salaam, Tanzania (October)
 - 2017 "The present impacts and the future risks for the Mediterranean Sea ecosystems " Keynote lecture, Workshop on "Human impacts on Mediterranean marine ecosystems and the economy"/ Oceanographic Museum of Monaco, Principality of Monaco, 18-19 October, 2017, Monaco (October).

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- 2017 "Ocean acidification dynamics and impacts in the Gulf of Guinea, west Africa: a white paper on the state of knowledge and research gaps ", Networking- developing the Africa Network and knowledge exchange, Dakar, Senegal (February)
 - 2017 "Microplastics in the Mediterranean Sea and ICTA-UAB contribution to the project 'Blue Islands-seasonal variation of waste as effect of tourism (BLUEISLANDS)' Kickoff meeting of the project BLUEISLANDS, Larnaca, Cyprus (January)
 - 2016 Mediterranean planktonic calcifiers in a high CO₂ world Workshop ENVI-Med, Boron Isotopes and Trace Elements in Mediterranean coral skeletons : Tools to reconstruct the evolution of pH and seawater temperature, UPMC, Paris, France (July)
 - 2016 Presenting ICTA-UAB at Excellence 2016, UAB, Bellaterra, Barcelona, Spain (October)
 - 2016 Presenting ICTA-UAB at Lima Pacific Alliance (Alianza del Pacífico) Movilidad de Talento, cooperation with the Pacific Alliance countries, Lima, Perú (May)
 - 2016 Seasonal to multi-decadal coccolithophore studies. Beyond Biostratigraphy: Information retrieval from coccoliths. TMS workshop , Angers, France (June)
 - 2016 Environmental control on *Emiliania huxleyi* coccolithophore calcification in the Mediterranean Sea - *Emiliania huxleyi* calcite mass variability during periods of atmospheric CO₂ rising in the Mediterranean Sea, The ocean in high CO₂, Hobart, Tasmania (April)
 - 2015 Keynote lecture '*Acidificación del océano y calentamiento: El Mediterráneo como caso de estudio*' 5th Congreso Nacional de Cambio Climático, Mazatlan, Mexico (September)
 - 2015 Our Common Future Under Climate Change, delivering a clear message to the Paris COP21, UNESCO, Future Earth, and ICSU, Keynote seminar '*Rising concerns about ocean acidification and warming in the Mediterranean Sea*', session on 'Mediterranean Sea', Paris, France (July).
 - 2015 *Canary of coal mine: Pteropod "shell fitness" in the Mediterranean Sea*, Workshop on 'The response of pteropods to ocean acidification and climate change', British Antarctic Survey (BAS), Cambridge, UK (June).
 - 2015 World Oceans Day, Intergovernmental Oceanographic Commission (IOC) of UNESCO, W1: Warming and acidification of the ocean: two sides of the same coin, Expert Panel member on ocean acidification, Paris, France (June).
 - 2015 '*Planktonic calcifiers in a high CO₂ world*', LOV-CNRS seminar series, Observatoire Océanologique de Villefranche-sur-Mer, France (May).
 - 2014 DG MARE, lunch conference, *Mediterranean Sea Acidification in a changing climate (MedSeA): altering marine ecosystems and impacting society*, Brussels, Belgium (November).
 - 2014 DG Research, *Mediterranean Sea Acidification in a changing climate (MedSeA): the project results*, Brussels, Belgium (July).
 - 2014 2nd Workshop on Similarities of two semi-enclosed basins (Mediterranean and East Sea). University of Seoul, Oceanographic Inst. Korea, Busan, Korea (September).
 - 2014 Building and Skills Development in South East European Countries in fields related to Blue Growth, Marine Sciences and Integrated Coastal Area

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- Management (ICAM), UNESCO-IAEA Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy (July)
 - 2014 Medpartnership Steering Committee Meeting, UNEP-Mediterranean Action Plan, Hammamet, Tunisia (February)
 - 2013 Regional responses to acidification and warming: the Mediterranean Sea, MedOcean Conference, ICM, Barcelona (November)
 - 2013 Ocean acidification session invited chair, CIESM conference, Marseille, France (November)
 - 2013 Second U.S. Ocean Acidification Principal Investigators' Meeting, Washington, DC, USA (September)
 - 2013 Advancing our understanding about the function of calcification, Workshop funded by the UK Ocean Acidification research programme, Southampton, UK (September) (cancelled participation).
 - 2013 COMPASS, communication and leadership workshop customized for ocean acidification scientists, Washington, DC, USA (September)
 - 2013 Keynote speaker on The Mediterranean Sea acidification in a changing climate at the XXI AIOL (Associazione Italiana di Oceanologia e Limnologia) Congress, Mediterranean Sea acidification and warming, Lignano Sabbiadoro, Italy (September)
 - 2013 6th Annual International Ecosystem Services Partnership (ESP) Conference, Panel discussion on Ocean Acidification and Ecosystem Services (BEG 1), Bali, Indonesia (August 2013) (cancelled participation).
 - 2013 Coordination of FP7 Projects in the Mediterranean and the Black Sea regions, Athens, Greece (June).
 - 2013 Coccolith geochemistry workshop, Vital effects in coccolith stable isotopes, Imperial College, UK (May).
 - 2013 "EU FP7 carbon cycle projects" at the 9th International carbon dioxide conference (ICDC9), supported by EC Environment, Beijing, China (June) (participation by webex).
 - 2012 Why do coccolithophores calcify? Workshop funded by the UK Ocean Acidification research programme, 13-14 September 2012, University of Bristol, UK.
 - 2012 2nd International Workshop on Bridging the Gap between Ocean Acidification Impacts and Economic Valuation "Ocean acidification impacts on fisheries and aquaculture economics and industries" Oceanographic Museum, 11-13 November 2012, Principality of Monaco.
 - 2012 Climate change in Mediterranean and Caribbean Seas: Research experiences and new scientific challenges, Workshop, May 7-12, Guayaquil, Ecuador
 - 2012 UK-ocean acidification program annual meeting, Excen, UK.
 - 2012 European Project on Ocean Acidification (EPOCA) final meeting, Saint Jean Cap Ferrat, France.
 - 2012 BIOACID program annual meeting, Bremen, Germany.
 - 2011 Ocean Acidification: European Contribution and Perspectives, Brussels, Belgium, Annual Meeting of the European Project on Ocean Acidification (EPOCA), Royal Academies for Science and the Arts of Belgium.
 - 2011 Ocean Acidification and Biodiversity, Total Foundation, October 5-7, Island of Porquerolles, France.
 - 2010 Ocean Acidification International Reference User Group Meeting, November 2-4, Musée océanographique de Monaco.

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- 2010 EurOCEAN 2010, Grand Challenges for Marine Research in the Next Decade, October 12-13, Ostend, Belgium.
 - 2010 EPOCA, BIOACID, and UK Ocean Acidification Conference, September 27-30, Bremerhaven, Germany.
 - 2010 10th International Conference on Paleoceanography, August 29-September 3, 2010, Biomineralization and the making of paleoceanographic signals, San Diego, California, USA.
 - 2010 Paleo-ocean Acidification and Carbon Cycle Perturbation Events workshop, US National Science Foundation, *Environmental Studies (WIES)*, August, 26–28. Wrigley Institute for Environmental Studies, Catalina Island, CA, USA.
 - 2009 American Geophysical Union (AGU) 2009 Joint Assembly, Toronto, Canada, Interhemispheric Teleconnections and Quaternary Marine and Continental Climate Records.
 - 2009 RCMNS Congress 2009, Convener of the special session SP1, "Mediterranean climatic global change", September 2-6, Naples, Italy.
 - 2009 The Mediterranean Sea: physical and ecological processes and their significance in a global perspective. European Geophysical Union (EGU), General Assembly, April 19-24, Vienna, Austria.
 - 2009 *European Science Foundation, Science Policy Briefing on Ocean Acidification, to highlight potential ecological and economic impacts from ocean acidification and to highlight the needs for collaborative international research, 28-30 January 2008.*
 - 2008 CIESM - the Mediterranean Science Commission Research Workshop (n° 36), "Impact of Acidification on Biological, Chemical and Physical Systems in the Mediterranean and Black Seas", October 1-4, Menton, France.
 - 2008 The likely impact of ocean acidification in the Mediterranean, ESF, EuroCLIMATE final conference, September 29-30, Toulon, France.
 - 2008 Invited Session organizer, Regional Symposia, Europe, Neogene of the Mediterranean: An "ocean laboratory", 33rd International Geological Conference, August 6-14, Oslo, Norway.
 - 2008 Strategic Workshop on Ocean Acidification, European Science Foundation's Standing Committee for Life, Earth and Environmental Sciences (ESF-LESC) and EuroCLIMATE Program, The likely impact of ocean acidification in the Mediterranean, January 27-30, Las Palmas, Spain.

12. Organization of meetings, workshops, short courses (selected)

- 2023 ASLO 2023 session title: SS081A JPI Oceans Joint Action: Ecological Aspects of Microplastics – From Scientific Findings to Political Action", ASLO ASM 2023, Palma de Mallorca, Spain Session organizer.
- 2020 Organizing committee ICTA-UAB, International virtual conference on Toward low-carbon lifestyles, May 6-8.
- 2018 Workshop on gender issues in scientific excellence and the management of talent at ICTA-UAB, Gender equality and equity.
- 2017 Workshop on Developing regional capacity for ocean observations in support of SDG target 14.3, Western Indian Ocean Marine Science Association (WIOMSA), Future Earth Coasts, Global Ocean Acidification

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- Observing Network (GOA-ON), IAEA Ocean Acidification International Coordination Centre (OA-ICC), IOC-UNESCO, Dakar, Senegal.
 - 2017 "Advanced school in coastal ecosystems and global change (Escola de Altos Estudos (EAE), Gestão de Ecossistemas costeiros frente às mudanças globais)". Departamento de Geografia and Instituto de Ciências do Mar (LABOMAR), Brasil 20-25 June, 2017.
 - 2017 "Measurement techniques – evolution of ocean acidification, paleo-prospective and modern development of ocean acidification Manipulation of the carbonate system in the field and in the laboratory. Defining next steps for OA-Africa and beyond. Workshop, Future Earth Coasts, Global Ocean Acidification Observing Network (GOA-ON), IAEA Ocean Acidification International Coordination Centre (OA-ICC), IOC-UNESCO, Dakar, Senegal 12-16 Feb., 2017
 - 2016 Excellence 2016, Strategies towards achieving a top level of scientific excellence at the UAB campus, 17 October, UAB, Bellaterra, Barcelona, Spain.
 - 2015 IAEA OA-International Coordination Center, University of Cape Town, Training Course on Ocean Acidification, 2-6 November 2015, Cape Town, South Africa
 - 2014 "Regional responses to climatic and non-climatic drivers in a high-CO₂ ocean", session selected for the IMBER 2014 Open Science Conference (OSC), Future Oceans, Bergen, Norway, 23-27 June 2014, conveners: Patrizia Ziveri, Sarah Cooley, Minhan Dai, Xiamen and Jean-Pierre Gattuso.
 - 2014 Member of the scientific committee of the "TMS joint Foraminifera and Nannofossil Spring Meeting 2014: Foraminifera and nannofossils through time: qualification and quantification", which is organized from the 23 to 25 June on Texel, The Netherlands.
 - 2012 Member of the organizing committee of the 11th International Conference on Paleoceanography (ICP 11), Sitges, Barcelona, September 1-6.
 - 2011 Session Organizer, Ocean Acidification and its Impact on Marine Ecosystems in the Context of Climate Change, European Geophysical Union (EGU) General Assembly, Vienna, Austria.
 - 2009 Session Organizer, Climate Variability: Changes in the Ocean-Atmosphere System and their Impacts on the Marine and Terrestrial Ecosystems, American Geophysical Union (AGU) Fall Meeting, San Francisco, California, USA.
 - 2009 Convenor of the Special Session SP1, Mediterranean Climatic Global Change, RCMNS Congress 2009, Naples, Italy.
 - 2009 Session Organizer, Marginal Basins as High-Resolution Recorders of Global Paleoclimate Signals, European Geophysical Union (EGU) General Assembly 2009, Vienna, Austria.

13. Teaching

2024-2025 Global Change, master module teaching Marine Global Change. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability. 2023-2024 Global Change, master module teaching Marine Global Change. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability.

2022-2023 Global Change, master module teaching Marine Global Change. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability.

2021-2022 Global Change, master module teaching Marine Global Change. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability.

2020 Conservation, Management and Blue Growth in the Decade of Oceans, III Fortaleza's Austral Spring School/ Labomar-UFC, Brasil.

2020-2021 Global Change, master module teaching Marine Global Change. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability.

2019-2020 Global Change module, MS program at the Institute of Environmental Science and Technology (ICTA), responsible for the Marine global change component, UAB, Spain.

2018-2019 Global Change module, MS program at the Institute of Environmental Science and Technology (ICTA), responsible for the Marine global change component, UAB, Spain.

2017-2018 Global Change module, MS program at the Institute of Environmental Science and Technology (ICTA), responsible for the Marine global change component, UAB, Spain.

2016-2017 Global Change module, MS program at the Institute of Environmental Science and Technology (ICTA), responsible for the Marine global change component, UAB, Spain.

2014-2015 Climate Change module, MS program at the Institute of Environmental Science and Technology (ICTA), UAB, Spain.

2014 ENEA and IAEA-International Coordination Center, Training on ocean acidification, La Spezia, Italy (August)

2014 OGS Summer School on "Sustainable Blue Growth in South East Europe", Trieste, Italy (July).

2007-2014 Global and Climate Change modules, Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona, Spain.

2004-2007 Coccolithophores in Paleoceanography, Urbino Summer School in Paleoclimatology (USSP), Urbino, Italy.

Previous teaching experiences include Geobiology and Capita paleobiologica courses (2001-2005) at the Vrije Universiteit Amsterdam, Applied Geochemistry at the Università Milano-Bicocca (2000-2001) and other short courses in Mexico, The Netherlands and Italy (1997-99).

12. Research cruises

2024 R/V *Sarmiento de Gamboa*, Biodiversity of planktonic calcifiers, Vigo (Spain), Azores Archipelago, Svalbard Archipelago, Reykjavik (Iceland) (chief scientist: P. Ziveri) August-September 2024.

2019 R/V *Sarmiento de Gamboa*, Microplastic dispersion off Barcelona and Ebro Delta (chief scientist: P. Ziveri).

2017 R/V *Kilo Moana*, [Oceanographic cruise from Hawaii to Alaska \(Seaward\)](#), (chief scientists: William Berelson, USC, and Jess Adkins, Caltech).

2013 R/V *Angeles Alvariño*, Oceanographic cruise Mediterranean Sea, (Leg 1: Cadiz – Heraklion; Leg 2: Heraklion – Barcelona)(chief scientist: P. Ziveri).

Other five research cruises dating back to 1992 (information available upon request).

15. Selected outreach, science for policy (selected 2011-2023)

- 2023 Contaminación por microplásticos
<https://mujeresconciencia.com/2023/11/20/contaminacion-por-microplasticos/>
- 2023 [Microplastic pollution found in every aquatic species tested](#)
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CV additions:

Coccolithophore species named: [Placorhombus ziveriae](#)
Derivatio nominis: after Patrizia Ziveri

Marine school in Africa named: **Patrizia Ziveri Marine Science School** in Monrovia, Liberia

Curriculum vitae, in brief

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Present position: Patrizia Ziveri is a research professor of the Catalan Institution for Research and Advanced Studies (ICREA) employing senior scientists in all research fields. She develops her research activity with her Marine and Environmental Biogeosciences Research Group at the Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona where she also acted as ICTA-UAB scientific director from 2015 to 2020 being the responsible of the unit of excellence national award strategic program (2016-2020). She is also affiliated to the Department of Biologia Vegetal i d'Ecologia, Universitat Autònoma de Barcelona (UAB).

Key expertise: Marine global environmental change, ecology, evolutionary ecology and biogeochemistry at various time scales and complexity. She has participated and coordinated a number of international research projects and initiatives related to his research interests. She coordinated the first European project on ocean acidification in the Mediterranean Sea (MedSeA project, 2011-2014) involving EU and non-EU countries and was a chief scientist of a first trans-Mediterranean cruise focussing on ocean acidification (2013). She participated to **10** research cruise expeditions being chief scientist in **4**.

Knowledge transfer and network: more than **160** peer-review journal articles and has a network of more than **700** co-authors from more than **130** institutions. H-index: Google Scholar 53 (i10-index 110); Web of Science 47; Scopus 47. Total Google Citations: > 10.200.

Grants: long record of obtaining competitive financial resources, managed a total of **9.5** M€ (ongoing €590.000), and (**1.5** M€ for PhD and PhD student national and EU fellowships).

Supervisions: **23** PhD projects finalised (plus **7** ongoing); **44** Master projects and **10** talented postdoctoral researchers.

International research recognition: involved in several initiatives and contribution as an expert advisor and evaluator in international panels (e.g., ERC, SNSF, NOW; IT-ERC). She has been a lead author of recent assessment report on Mediterranean ecology and climate change MedECC, and contributed to several assessment reports (e.g.; UN GESAMP, Microplastics, OSPAR-ICES, ocean acidification in the North Atlantic, and ocean acidification in Africa (OA-ICC IAEE and Future Earth Coast). She is an associate editor of Scientific Reports and Frontiers in Marine Sciences.

Professional Experience: Worked in different institutions in Italy, USA, The Netherlands and Spain.