

Paolo Magni

MAIN ROLES AND PROFESSIONAL LINKS

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Chair (2021-2023), Benthos Ecology Working Group – International Council for the Exploration of the Sea (<http://www.ices.dk/community/groups/Pages/BEWG.aspx>)

President (2020-2022), Scientific committee of the Foundation International Marine Centre (IMC) (<https://www.fondazioneimc.it/>)

Member, Steering committee for the degree in biology of Cagliari University (<https://corsi.unica.it/classediscienzebiologiche/comitato-di-indirizzo/composizione/>)

Full professorship habilitation in ecology (ANVUR A05/C1, 2014-2023) (<https://asn.cineca.it/ministero.php/public/esitoAbilitati/settore/05%252FC1/fascia/1>)

Associate Editor, *Frontiers in Marine Science* (<https://www.frontiersin.org/journals/marine-science/sections/marine-ecosystem-ecology>)

Editorial Board, *Marine Biological Journal* (https://mbj.marine-research.org/Magni_Paolo)

WoS Researcher ID: *h*-index: 26 (<https://publons.com/researcher/698183/paolo-magni/#>)

Scopus Author ID: *h*-index: 27 (<https://www.scopus.com/authid/detail.uri?authorId=55757784658>)

ResearchGate: *h*-index: 28 (https://www.researchgate.net/profile/Paolo_Magni3)

Orcid ID: <https://orcid.org/0000-0001-5955-6829>

EuroMarine: <https://www.euromarinetwork.eu/membership/individuals/paolo-magni>



MAIN RESEARCH ACTIVITIES

- Benthic ecology, with special reference to the effect of natural factors and anthropogenic pressures on benthic macroinvertebrate assemblages in coastal marine and lagoon systems.
- Food webs studies ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis) and biogeochemical processes (e.g. oxygen and nutrient fluxes).
- Application of indicators for assessing the ecological and environmental status of marine and transitional waters in application to the European Directives (WFD; 2006/60/EC and MSFD; 2008/56).
- Biodiversity and Ecosystem Services.

NATIONAL AND INTERNATIONAL PROJECTS (SELECTION LAST 10 YEARS)

- 2020-2022: PO FEAMP – Priority 1, Measure 2.51. SA-PIAZA – Increasing the potential of aquaculture sites; Regional Plan for Allocated Zones for Aquaculture (AZA). Role: Task responsible.
- 2020-2022: PO FEAMP – Priority 1, Measure 1.44. ECOGESTOCK – Ecosystem approach for the protection and management of biological resources and fish stock in inland waters. Role: Task responsible.
- 2013-2018: VII^o FP EU project COMMON SENSE – Cost-Effective Sensors, Interoperable With International Existing Ocean Observing Systems, To Meet EU Policies Requirements (<http://www.commonsenseproject.eu/>). Role: PI and scientific responsible of CNR Consortium (ISMAR, IAMC, IPCB) and Steering Committee member.
- 2012-2016: RITMARE – Flagship Project of the National Research Programmes funded by the Italian Ministry of University and Research (<http://www.ritmare.it/>). Role: Workpackage leader in Marine Spatial Planning (SP3-WP5)
- 2012-2015: VII^o FP EU project VECTORS – Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors (<http://www.marine-vectors.eu/>). Role: Workpackage co-leader (WP6 – Synthesis for policymakers and stakeholders), Steering Committee member and Champion for Conservation.
- 2012-2015: EU COST ACTION ES1003 EMBOS – Development and implementation of a pan-European Marine Biodiversity Observatory System (<http://www.embos.eu/>). Role: Management Committee member.
- 2012-2015: Working group on Biodiversity and Coastal Ecosystems of the National Strategy for the Adaptation to Climate Change of the Ministry for Environment, Land and Sea Protection of Italy (MATTM). Role: expert.
- 2010-2012: Italy-China Bilateral project of the Italian Ministry of Foreign Affairs and International Cooperation. (http://www.esteri.it/mae/doc_politica_estera/cultura/cooperscientificatecnologica/programmi%20esecutivi/2009112_5_cina_executive_programme_st_china_2010-2012.pdf). Role: Project coordinator Research area: Energy and Environment.

PAST ROLES AND ACTIVITIES

2008-2020: Chair-invited member, Benthos Ecology Working Group (ICES-BEWG).

2009-2020: Researcher (permanent position), National Research Council of Italy (3 March 2020: new position as director of research at the National Research Council of Italy).

2015-2018: Lead Author, Regional Assessment on Biodiversity and Ecosystem Services for the Asia-Pacific, Intergovernmental Science-Policy Platform for Biodiversity and Ecosystem Services (IPBES).

- 2010-2018: Visiting scientist, Department of Biological Science, Faculty of Agriculture, Kagawa University, Japan.
- 2010-2017: Visiting scientist, Graduate School of Environmental Science, Hokkaido University, Japan.
- 2009-2015: Visiting scientist, College for Coastal and Wetland Ecosystems, Xiamen University, China.
- 2008-2012: Steering Committee member of the scientific association LaguNet – Italian Network for Ecological Research.
- 2009-2010: Member of the working group on Biodiversity and Coastal Ecosystems of the National Strategy for the Adaptation to Climate Change of the Ministry for Environment, Land and Sea Protection of Italy.
- 2009: Visiting scientist, Coastal Research & Planning Institute (KORPI), University of Klaipeda, Lithuania.
- 2006-2009: Researcher (not permanent position), National Research Council of Italy (16 November 2009: new position as permanent researcher at the National Research Council of Italy).
- 2001-2006: Senior researcher, Foundation International Marine Centre (IMC), Oristano, Italy (1 July 2006: new position as not permanent researcher at the National Research Council of Italy).
- 2004-2006: Lecturer, Environment and Marine Production Science, Sassari University, Italy.
- 1999-2000: Post-doctoral fellow (EU S&T Fellowship to Japan), Kagawa University, Japan.
- 1998: Ph.D. in Marine Science, United Graduate School of Ehime University, Japan.
- 1998-1999: Foreign researcher, Kagawa University, Japan.
- 1995-1998: Research assistant and Teaching assistant, Kagawa University, Japan.
- 1993-1994: Completion of Intensive course of Japanese language (6 months), Okayama University, Japan.
- 1992: Post-graduate fellow, Netherland Institute of Ecology (NIOZ), Yerseke, Nederland.
- 1992: Academic habilitation as a biologist, Genoa University, Italy.
- 1991-1992: Annual practical training *post-Lauream*, Planktology Chair, Genoa University, Italy.
- 1991: *Laurea* degree in Biological Sciences, Genoa University, Italy.
- 1987-1991: Full-time working student, Genoa University, Italy (see “EXTRA-ACADEMIC PROFESSIONAL EXPERIENCES”).
- 1981-1987: Full-time working student, Milan University, Italy (see “EXTRA-ACADEMIC PROFESSIONAL EXPERIENCES”).

EXTRA-ACADEMIC PROFESSIONAL EXPERIENCES

- 1987-1993: Armed Forces, permanent service in Arma Carabinieri, Regional Headquarter of Genoa Legion.
- 1986-1987: Military service in Arma Carabinieri, Zavattarello (PV), Milan Legion.
- 1983-1986: Full-time employee (textile sector), Magil S.p.A. Crema (CR), Italy.

RECENT SCIENTIFIC PUBLICATIONS (SELECTION)

2020. Avolio, R., A. Grozdanov, M. Avella, J. Barton, M. Cocca, F. De Falco, A.T. Dimitrov, M.E. Errico, P. Fanjul-Bolado, G. Gentile, P. Paunovic, A. Ribotti, **P. Magni**. Review of pH sensing materials from macro- to nano-scale: potential for seawater applications. *Critical Reviews in Environmental Science and Technology*, <http://dx.doi.org/10.1080/10643389.2020.1843312>.
2020. Gravina, M.F., S. Cabiddu, S. Como, A. Floris, B.M. Padedda, A. Pusceddu, **P. Magni**. Disentangling heterogeneity and commonalities in nanotidal Mediterranean lagoons through environmental features and macrozoobenthic assemblages. *Estuarine, Coastal and Shelf Science*, vol. 237, art. 106688. <https://doi.org/10.1016/j.ecss.2020.106688>
2020. Greathead, C., **P. Magni**, J. Vanaverbeke, L. Buhl-Mortensen, U. Janas, M. Blomqvist, J.A. Craeymeersch, J. Dannheim, A. Darr, S. Degraer, N. Desroy, A. Donnay, Y. Griffiths, I. Guala, L. Guerin, H. Hinchén, C. Labrunne, H. Reiss, G. Van Hoey, S.N.R. Birchenough. A Generic Framework to Assess the Representation and Protection of Benthic Ecosystems in European Marine Protected Areas. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 30(7): 1253–1275. <https://doi.org/10.1002/aqc.3401>
2020. Zheng, X., S. Como, L. Huang, **P. Magni**. Temporal changes of a food web structure driven by different primary producers in a subtropical eutrophic lagoon. *Marine Environmental Research*, vol. 161, art. 105128. <https://doi.org/10.1016/j.marenvres.2020.105128>
2019. **Magni, P.**, S. Como, M.F. Gravina, D. Guo, C. Li, L. Huang. Trophic Features, Benthic Recovery, and Dominance of the Invasive *Mytilopsis sallei* in the Yundang Lagoon (Xiamen, China) Following Long-Term Restoration. *Water*, vol. 11, iss. 8, art. 1692. <https://doi.org/10.3390/w11081692>
2019. Semprucci, F., M.F. Gravina, **P. Magni**. Meiofaunal dynamics and heterogeneity along salinity and trophic gradients in a Mediterranean transitional system. *Water*, vol. 11, iss. 7, art. 1488. <https://doi.org/10.3390/w11071488>
2018. Como, S., G. Van der Velde, **P. Magni**. Temporal variation in the trophic levels of secondary consumers in a Mediterranean coastal lagoon (Cabras lagoon, Italy). *Estuaries and Coasts*, 41(1): 218–232. <https://doi.org/10.1007/s12237-017-0265-7>
2018. Guy-Haim, T., D. Lyons, J. Kotta, H. Ojaveer, A.M. Queirós, ..., **P. Magni**, ..., G., Rilov. Diverse effects of invasive ecosystem engineers on marine biodiversity and ecosystem functions – a global review and meta-analysis (2018). *Global Change Biology*, 24: 906–924. <https://doi.org/10.1111/gcb.14007>