

Curriculum vitae of Agnese MARCHINI

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EDUCATION AND ACADEMIC POSITIONS

- 2024-25: International Mobility Delegate for the Department of Earth and Environmental Sciences, University of Pavia
- Since 2023: Full Professor of Ecology at University of Pavia, Italy
- 2022-25: President of the teaching committee of the 'Natural Sciences' degree at the University of Pavia
- 2019-2022: Deputy President of the teaching committee of the 'Natural Sciences' degree at the University of Pavia
- Since 2019: Associate Professor of Ecology at University of Pavia
- 2016-19: Senior Researcher of Ecology and Lecturer of 'Ecology', 'Laboratory of Ecology' and 'Freshwater Ecology' at the University of Pavia
- 2016: Senior post-doc at University of Pavia
- 2004-2016: junior post-doc at University of Pavia and University of Ferrara, Italy
- 2004: Visiting fellow (6 months) at the Benthos Ecology laboratory, University of Aveiro, Portugal
- 2004: PhD in Experimental Ecology and Geobotany at the University of Pavia
- 2000: Graduated in Biology at the University of Pavia

EXPERTISE

Aquatic ecology and biology, community ecology, benthic invertebrates, peracarid crustaceans, marine biogeography, biological invasions, risk assessment, fuzzy logic.

RESEARCHER PERFORMANCE

Author or co-author of five book chapters and over 100 scientific articles on journals with impact factor.

According to Scopus: >5000 Citations, H-index 37.

TEACHING and MENTORING

Professor of 'Ecology', 'Applied Ecology', 'Freshwater Ecology' and 'Environmental Education'.

Tutor or co-Tutor of over 50 bachelor or master theses in Biology or Natural Sciences at the Universities of Pavia and Ghent, Belgium (under the IMBRSea Program)

Tutor or co-Tutor of 10 PhD theses at Universities of Pavia, Toulon (France), and Ionian (Greece), plus one Joint PhD thesis at University of Pavia and Université Sorbonne, Paris, and one Joint PhD thesis at University of Pavia and University of the Basque Country.

- 2026: responsible for University of Pavia of the Erasmus+ Blended Intensive Programme 'Guarding Aquatic Ecosystems against Invasive Alien species using eDNA', coordinated by Nord University, Bodø, Norway
- 2024: lecturer of the international winter ISAGS school "Assessment of fouling alien species in ports with the SERC protocol and experimental applications", University of Pavia and Smithsonian Environmental Research Center (USA)
- Since 2023: Coordinator of the Erasmus Blended Intensive Programme 'Marine Environmental threats' (Consortium: University of Pavia, University of Basque Country, Spain, and University of Azores, Portugal)
- Since 2021: Coordinator of 'PLS- Piano Lauree Scientifiche' (Natural and Environmental Sciences) for Pavia University
- 2019 and 2021: Organiser and lecturer of the international summer school 'Monitoring marine alien species in ports using the SERC protocol', University of Pavia and Smithsonian Environmental Research Center (USA)
- Since 2018: responsible for University of Pavia of the joint Master programme IMBRSea – International Master in Marine Biological Resources
- 2017-2025: Member of the PhD board of Earth and Environmental Sciences, University of Pavia
- 2012-2015: online course 'Application of Fuzzy Logic to marine environmental research', in the framework of the Erasmus-Mundus International PhD Program 'MARES'

MEMBERSHIP TO SCIENTIFIC ORGANISATIONS

- Since 2020: invited member of the GESAMP (Group of Experts on the Scientific Aspects of Marine Environmental Protection) Working Group on Biofouling Management (WG44), sponsored by IOC-UNESCO and UNDP
- Since 2020: invited member of EASIN (European Alien Species Information Network) Editorial board, coordinated by the EC Joint Research Center
- Since 2018: member of the Working Group on Invasive Alien Species (WGIAS) of the European Commission DG-Environment
- Since 2018: member of INVASIVESNET, the International Association for Open Knowledge on Invasive Alien Species. Interview on the newsletter of the Association in October 2019
- Since 2016: Chair-invited Member of the Working Group on Introductions and Transfer of Marine Organisms (WGITMO) of the ICES (International Council for the Exploration of the Sea) - Currently WGBIOINV
- Since 2012: member of the Editorial board of AquaNIS (Aquatic Non-Indigenous Species), coordinated by Prof. S. Olenin, University of Klaipėda (Lithuania)

PROJECTS

- 2025-ongoing: "INVASIONS": INVestigating non-indigenous Species in hotspot areas of the IONian Sea". H.F.R.I.'s Research Projects. Role: external participant.
- 2025-ongoing: "GUARDIAS: Guarding European waters from Invasive Alien Species". Supported by European Union's Horizon Europe Research and Innovation Programme (ID No 101181413). Role: Local Unit leader
- 2024- ongoing: "CLAPS: CLimate Adaptation Pelagos Sanctuary". Supported by Fondation Prince Albert II de Monaco, Pelagos Initiative. Role: Local Unit leader.
- 2023-ongoing: "EUROPAM: European Spatial-Temporal Large-Scale Sea Noise Management & Passive Acoustic Monitoring of Marine Megafauna". Supported by: MUR, call Biodiversa+ 2022. Role: Local Unit leader.

- 2023-26: "Trophyc: The TROphic geography of marine bioinvaders: the Atlantic blue crab *Callinectes sapidus* in the Mediterranean Sea as model species". Supported by: MUR, call PRIN 2022. Role: Deputy PI.
- 2019-ongoing: "A brick against alien species", promoted by the University of Pavia crowdfunding platform 'Universitiamo by UNIPV'. Role: Project manager
- 2011-2015: EU-PF7 "VECTORS - Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors" (no. 266445) coordinated by Plymouth Marine Laboratory, UK. Member of the University of Pavia research team, lead by prof. Anna Occhipinti
- 2009-2010: "3 AAMMPP - Studio degli ambienti di grotte marine sommerse (codice habitat 8330) nelle aree marine protette di Pelagie, Plemmirio e Capo Caccia". Collaboration contract assigned by ConISMa (Consorzio Interuniversitario per le Scienze del Mare)
- 2007-2008: EU-PF6 "IMPASSE" (Environmental IMPact of Alien SpecieS in aquaculturE) coordinated by University of Hull (UK). Three collaboration contracts assigned by University of Pavia.

INVITED TALKS, SEMINARS, LECTURES

- 2026: invited talk at webinar "Effective biofouling management today and tomorrow Technical, environmental and policy perspectives" (CEPE AISBL, Bruxelles)
- 2025: Invited lecturer at the International Field training School on Marine IAS (Invasive Alien Species), organised by the Tunisian Association of Marine Sciences (ATSMer)
- 2025: invited lecturer at the AZTI summer school "Artificial intelligence and citizen science in monitoring and assessing biodiversity and invasive species at sea", San Sebastian, Spain
- 2024: Chair at the Neobiota Conference, Lisbon, Portugal
- 2024: Invited talk "Communicating aquatic science to the public with performing arts" at the annual conference of the Italian Association of Oceanology and Limnology
- 2022: Chair at the 2nd IMO GloFouling R&D Forum, London, UK.
- 2020: invited lecture at the International Training School "Science Communication - sharing experiences and stories", in the framework of COST Action: CA17122 Alien-CSI (Crete, Greece) (CANCELLED DUE TO COVID-19 PANDEMICS)
- 2020 invited Webinar for the IMO GloFouling international webinar series
- 2019: advanced course "Non-indigenous and Cryptogenic Peracarid Crustaceans in Israeli Mediterranean Marinas", University of Tel Aviv and The Steinhardt Museum of Natural Sciences, Israel
- 2019: invited talk at the Workshop "Impact of alien species on Sardinian Ecosystems", University of Cagliari, Italy
- 2019: invited talk at the 1st GEF-UNDP-IMO GloFouling R&D Forum and Exhibition on Biofouling Management, Melbourne (Australia)

CONSULTANCY ACTIVITY

- 2026: "Environmental studies aimed at assessing the potential impact of wastewater from the Broni and Stradella treatment plants on the water quality of the Lancone di Portalbera". Commissioner: Pavia Acque S.c.a r.l., Italy (€ 5000)
- 2026: "Monitoring of the biological quality of the Lavagna Stream in relation to the impact of wastewater discharged into the stream bed by FACI S.p.A.". Commissioner: FACI s.p.a., Carasco, Italy (€ 5000).
- 2025: "Measurements of noise indicators in the Miralfiori park". Commissioner: Pesaro Municipality, Italy (€ 4880).
- 2022: "Preparation of texts for an exhibition of National Geographic photos on the theme 'Water - a precious resource'. Commissioner: Studeo Group srl, Milan, Italy (€ 2562).

- 2019: "Technical and Scientific Support in relation to implementation of Regulation 1143/2014 on Invasive Alien Species". Commissioner: IUCN, European Union Representative Office (€ 12000).

EDITORIAL ACTIVITY

- 2020-21: Guest co-Editor of a Special Issue entitled 'Biological Invasions in Changing Aquatic Ecosystems: future perspectives' for the journal *Water*
- Since 2018: Academic Editor for the Journal *PLOS ONE* (since 2018), *Mediterranean Marine Science* (Since 2018) *BioInvasion Records* (since 2017).
- 2017-18: 'Guest co-Editor' of a 'Research Topic' entitled "Three Decades of Marine Invasion Science - Achievements and Challenges" for the journal *Frontiers in Marine Sciences*
- Since 2015: Thematic editor of amphipods for the online database WRiMS
- 2012-13 and 2015-17: Co-Editor of the Italian edition of 'Elements of Ecology' (8th and 9th edition), by Thomas M. Smith & Robert L. Smith.
- Since 2006: over 140 reviews for 50 journals

HOST FOR INTERNATIONAL VISITING SCHOLARS and RESEARCHERS

- since 2018: hosted traineeship mobility programs of 16 Erasmus+ students
- 2025: Miss Imane Grib (National Higher School of Marine Sciences and Coastal Management, Algeria), visiting PhD student (3 months), granted a scholarship from the Ministry of Science, Education and Scientific Research of Algeria with a Project entitled "Identification of non-indigenous marine species in Biofouling assemblages"
- 2024: Miss Sofía Ruiz de Velasco Fernández de Loaysa, (University of Seville, Spain), visiting PhD student (10 months), granted a scholarship from the Ministry of Science, Innovation & University of Spain.
- 2024-25: Miss Paula Moretti (University of Campinas, Brazil), visiting PhD student (10 months), granted a scholarship from PhD Sandwich program with a Project entitled "Monitoring and risk-assessment of non-indigenous peracarid species in ports"
- 2022: Dr Ola Salah Mohamed Nour (University of Alexandria, Egypt), visiting researcher (12 weeks), granted a scholarship from CICOPS – Committee for International Cooperation and Development, University of Pavia, with a Project entitled "Macroinvertebrates fouling community in two harbours along the Mediterranean Egyptian coast"
- 2018: Mrs Paola Parretti (University of Azores, Portugal), visiting PhD student (2 weeks), granted a Short-Term-Scientific-Mission from COST Action CA15121: "Advancing marine conservation in European and contiguous seas (MarCons)", with a project entitled "From marinas to diving spots: risk assessment of marine Non-Indigenous Species dispersal".

MOST RELEVANT MERITS

- The Erasmus Blended+ Intensive programme 'Marine Environmental Threats' coordinated by AM was recognised in 2024 by the Italian Erasmus Agency INDIRE as an example of good educational practice, and in the years 2025 and 2026 it was endorsed by IOC-UNESCO as an official Ocean's Decade 2021-2030 activity.
- 2025: Co-author of a Top cited article in Wiley's *Journal Biological Review*: Souto et al. 2024 'Taming the terminological tempest in invasion science' (<https://doi.org/10.1111/brv.13071>)
- 2024: invited expert for the Horizon Scanning exercise of marine alien species in European Seas, coordinated by the IUCN in Bruxelles

- 2018-2020: coordinator of the Horizon Scanning Exercise on marine alien species for Italy, conducted by the Italian Society of Marine Biology (SIBM) and lead by the Italian Institute for Environmental Protection and Research (ISPRA)
- since 2018: language responsible for the Italian version of the risk screening tool for aquatic invasive species 'AS-ISK'
- 2018: invited expert for the Horizon Scanning exercise of marine alien species in European Seas, coordinated by the EU Joint Research Center
- 2018: invited expert at the 'Invasion hotspots' workshop, Puerto Madryn - Patagonia
- 2017: Publons Peer-Review Award – qualified in the top 1% reviewers in the sector 'Agricultural and Biological Sciences'
- 2016: invited expert at the 'Invasion hotspots' workshop, Sydney Institute of Marine Sciences, Australia

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- 2025: video interview featured in the documentary 'Marine Animal Forests' by Verdeacqua, produced by Compagnia di San Paolo.
- Since 2023: member of AIOL - Associazione Italiana di Oceanologia e Limnologia
- Since 2018: member of INVASIVESNET, the International Association for Open Knowledge on Invasive Alien Species. Interview on the newsletter of the Association in October 2019
- Since 2014: Member of SIBM – Società Italiana Biologia Marina
- Since 2012: member of S.It.E.– Società Italiana di Ecologia

OUTREACH

- 2025: video interview featured in the documentary 'Marine Animal Forests' by Verdeacqua, produced by Compagnia di San Paolo.
- 2023-ongoing: *CanYouSea?*, a science-art live performance co-produced with KIRKES ASD and supported by the program DEAR – Development Education and Awareness Raising.
- 2022: Curator of the National Geographic photo exhibition "Capire il cambiamento climatico. Acqua, una risorsa insostituibile", CRC Foundation, Cuneo, Italy.
- 2020: video interview featured in the documentary 'Ocean Aware' by ITN Productions and IMarEST - Institute of Marine Engineering, Science and Technology (UK)
- 2018: video interview by the YouTube Channel 'UCampus', also featured on Italian TV newscast.
- Since 2017: writer of outreach articles for the Italian magazines 'Focus' and 'La Rivista della Natura'
- Since 2016: member of the 'Communication and Promotion Commission' of the Department of Earth and Environmental Sciences, University of Pavia
- Since 2014: mentioned in over 100 articles appeared on local, national and international newspapers, magazines, websites
- Since 2012: organiser and/or speaker at educational, cultural, leisure and crowdfunding events (e.g. Expo, Festivals, clubs, associations, schools etc)

Pavia, 12 May 2026

