

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **LUCIA BONGIORNI**
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Nationality Italian
Date of Birth 23/11/1969
Gender Female

WORK EXPERIENCE

- Dates (from - to) 02 November 2011 – today
- Name and address of the employer **CNR-ISMAR, Istituto di Scienze Marine, Venice, IT**
 - Type of business or sector Research
 - Occupation or position held **Permanent Researcher**
 - Main activities and responsibilities Research interests: marine microbial ecology and ecosystem functioning, trophodynamic in transitional areas, microbial-animal symbiosis, functional diversity, viral impact, marine species and communities conservation, ecological monitoring, biodiversity conservation
- from 2018 to 2021 CNR delegates for the RI EMBRC,
from 2018 to 2022 liaison officer of CNR-ISMAR Venice for the Assemble Plus (EMBRC).
transnational access programme.
Responsibility as PI, WP, Task and UO leader in national and international projects
Responsible of the radioisotopes lab in ISMAR-Venice
- Dates (from - to) February 2009 – November 2011
- Name and address of the employer IMAR-DOP, Instituto do Mar -Departamento de Oceanografia e Pescas da Universidade dos Açores, Portugal
 - Type of business or sector Research
 - Occupation or position held **Associated researcher/Project PI**
 - Main activities and responsibilities Research activities dealing with exploration of deep sea microbes, and microbial food webs (NE Atlantic Seamounts), PI of FCT project- BIOMOUNT
- Dates (from - to) November – March 2008
- Name and address of the employer Department of Marine Sciences of the Polytechnic University of Marche, Ancona, IT
 - Type of business or sector Course in conservation and management of marine ecosystems, M.Sc in Marine Science
 - Occupation or position held **Adjunct Professor**
 - Main activities and responsibilities Teaching and training
- Dates (from - to) 2003-2009
- Name and address of the employer Department of Marine Sciences of the Polytechnic University of Marche, Ancona, IT
 - Type of business or sector Research
 - Occupation or position held **Post-doctoral fellow**

- Main activities and responsibilities
Microbial ecology, isolation, cultivation, enzymatic activities of the marine fungi like protists (thraustochytrids), microbial indicators of fish farms impacts, coral reef restoration, coral rearing and pathogenic infections. Field work and subtasks responsibility in several EU FP projects MEDVeg, CORALZOO, REEFRES
- Dates (from - to)
2000 – 2003
- Name and address of the employer
Israel Oceanographic and Limnological Research institute, Haifa, Israel
- Type of business or sector
Research
- Occupation or position held
Post-doctoral fellow
- Main activities and responsibilities
Isolation, cultivation and biotechnological potential of marine fungi like protists associated to invertebrates (the thraustochytrids, project granted from the Israeli Ministry of Environment,) impact of fish farm on coral reef and corals growth/survival

- Dates (from - to)
1999-2000
- Name and address of the employer
National Institute of Oceanography, Goa, India (Italian Ministry of Foreign Affairs grant)
- Type of business or sector
Research
- Occupation or position held
Post-doctoral fellow
- Main activities and responsibilities
Isolation, cultivation and development of specific molecular probes for the fungi like protist (the Thraustochytrids)

EDUCATION AND TRAINING

- Dates (from - to)
1996-1999
- Name and type of organisation providing education and training
University of Pisa, Pisa, IT
- Principal subjects/occupational skills covered
Doctorate thesis on the Ecology and secondary metabolites of marine protistan fungi “the thraustochytrids”, experience in isolation, massive cultivation of marine fungi and fungi like protists, lipids extractions (sterols), chemical screening of sterols profile
- Title of qualification awarded
Ph.D.

- Dates (from - to)
1995
- Name and type of organisation providing education and training
University of Pisa
- Principal subjects/occupational skills covered
Thesis on the population dynamic and ecology of the red coral *Corallium rubrum*.
- Title of qualification awarded
Master degree in Biology

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

ITALIAN
ENGLISH (FLUENT)
PORTUGUESE (BASIC)

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

- Research interests (5 Key words): microbial ecology, functional ecology, biodiversity food webs, conservation, restoration, EB-MSP.
- Author of > 40 publications on ISI and non ISI Scientific Journals and 7 chapters in books.
- Lecturer for academic courses, seminars, in Italian and international research institutes, and Communication at national and international congresses conferences (corals biology and ecology, coral reef restoration, fungi like protists and microbial ecology)
- Since 2005 lecturers in different advanced training courses (Masters of I and II level, at the Università Politecnica delle Marche, and Milano Bicocca) and lecturer for practical workshop (public aquaria, universities) regarding coral restoration and coral pathogenic infections.
- Since 2018 Liaison officer for the organization of European researchers transnational access within the programme Assemble Plus – Association of European Marine

Biological Laboratories Expanded, EMBRC RI (European Marine Biological Resource Centre Organization)

- Supervisor of master students, and CNR junior and senior research fellows
- PI of >7 scientific expeditions in the Red Sea, Singapore, Thailand and Philippines. Participated to several field study and ocean cruise expedition (Mediterranean Sea, NE Atlantic Ocean, Arabic Sea, Pacific Ocean, Red Sea) and organized field works and field campaigns for university students (Università Politecnica delle Marche, Ancona).

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

- From 2021 Member of working group "Biodiversity" of the CNR- Department of Earth System Sciences and Environmental Technologies
- 2018-20121 Member of the JRU of EMBRC Research Infrastructure
- 2018 -2022, liaison officer for ISMAR Venice of the transnational programme Assemble Plus
- **Coordinator and WP/ team/activity leader of several national and international (EU) projects, most relevant projects:**
- 2022-ongoing Italian PI Horizon Europe Project MSP4BIO - Improved Science-Based Maritime Spatial Planning to Safeguard and Restore Biodiversity in a coherent European MPA network.
- 2020-2023 leader of CNR partner in the project PRIN2017 "Viral diversity and impacts on deep-sea biodiversity and ecosystem functioning (VIRIDE)",
- 2017-2019 leader of CNR partner in the project PNRA16_00173-"Diversity and evolution of marine microbial communities associated to Antarctic Benthonic Invertebrates (DEMBAI)"
- 2016-2018 Tasks leader, project Interreg- MED CO-EVOLVE "Promoting the co-evolution of human activities and natural systems for the development of sustainable coastal and maritime tourism" (Task 3.5- Threats to co-evolution -Mediterranean scale: Pollution and Ecosystems and activity e Task 3.9, Enabling factors for co-evolution - Mediterranean scale: Ecosystems protection, WP3)
- 2014-2015 Italian PI of bilateral project CNR-NRF (South Korea) "Exploring changes in the microbial communities associated to corals and host immune-defences in response to climate and anthropogenic impacts: a coupled metagenomic-transcriptomic approach"
- 2012-2016 PI of the Unit "Microbial ecology and functioning of trophic web within the integrated management of coastal areas. Italian flagship project RITMARE
- 2010-2013 PI of project FCT (Fundação para a Ciência e a Tecnologia "Microbial biodiversity and functional role in benthic food webs of the Condor seamount (NE Atlantic)" BIOMOUNT PTDC/MAR/105486/2008
- Participate in several EU projects: 2019-2021 Italy Croatia Interreg ECOSS project; ECOlogical observing System in the Adriatic Sea: oceanographic observations for biodiversity; 2013-2016 EU FP7 project-Ocean Certain "Ocean Food-web Patrol - Climate Effects: Reducing Targeted Uncertainties with an Interactive Network". THEME [ENV.2013.6.1-1 ENV.2013.6.1-1]; 2004-2008 EU-FP5 – REEFRES "Developing ubiquitous restoration practices for Indo-Pacific reefs", 2005-2009 EU-FP6 CORALZOO "The development of an SME-friendly European breeding program for hard corals", HERMIONE "Hotspot Ecosystem Research and Man's impact on European seas, 2002-2004 projects EU-FP5 Med Veg "Effects of nutrient release from Mediterranean fish farms on benthic vegetation in coastal ecosystems"

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 41 and 7 book chapters
- TOTAL NUMBER OF CITATIONS: 1390 (Scopus); 2017 (Google Scholar 06.12.2022);
- H-INDEX: 19 (Scopus); 23 (Google Scholar)

10 MOST RELEVANT PUBLICATIONS IN THE LAST 10 YEARS.

1. Mammola S, Fukushima CS, Biondo G, **Bongiorni L**, Cianferoni F, Domenici P, Fruciano, C, Lo Giudice A, Macías-Hernández N, Malumbres-Olarte J, Miličić, M, Morganti M, Mori E, Munévar A, Pollegioni A, Rosati I, Tenan S, Urbano-Tenorio F, Fontaneto D, Cardoso P. How much biodiversity is concealed in the word "biodiversity"? *Current Biology*, *accepted for publication in Current Biology*
2. Manea E, Bergami C, Pugnetti A, Gianni F, Oggioni A, Bandelj V, Cataletto B, Pleslić G, **Bongiorni L** (2022) An ecosystem-based system of variables to enhance marine species and habitat monitoring and conservation: The Adriatic Natura 2000 case study. *Front. Mar. Sci.* 9:920366, doi: 10.3389/fmars.2022.920366

3. Stefanni S, Mirimin L, Stanković D, Chatzievangelou D, **Bongiorni L**, Marini S, Modica MV, Manea E, Bonofiglio F, del Rio FJ, Cukrov N, Gavrilović A, De Leo F., Aguzzi J 2022 Framing Cutting-Edge Integrative Deep-Sea Biodiversity Monitoring via Environmental DNA and Optoacoustic Augmented Infrastructures. *Frontiers in Marine Science* 8, DOI: 10.3389/fmars.2021.797140
4. Maggi E, **Bongiorni L**, Fontanini D, Capocchi A, Dal Bello M, Giacomelli A, Benedetti-Cecchi L 2019 Artificial light at night erases positive interactions across trophic levels. *Funct Ecology*, doi: 10.1111/1365-2435.13485
5. Drius M, **Bongiorni L**, Depellegrin D, Menegon S, Pugnetti A, Stifter S (2019) Tackling challenges for Mediterranean sustainable coastal tourism: an ecosystem service perspective. *Science of The Total Environment*, 652: 1302-1317, ISSN: 0048-9697, doi.org/10.1016/j.scitotenv.2018.10.121
6. **Bongiorni L**, Nasi F, Fiorentino F, Auriemma R, Rampazzo F, Nordström MC, Berto D (2018). Contribution of deltaic wetland food sources to coastal macrobenthic consumers (Po River Delta, north Adriatic Sea). *Science of the Total Environment*, 643, 1373-1386, ISSN: 0048-9697, doi.org/10.1016/j.scitotenv.2018.06.192
7. Bernardi Aubry, F, Falcieri FM, Chiggiato J, Boldrin A, Luna GM, Finotto S, Camatti E, Acri F, Sclavo M, Carniel, **Bongiorni L**. (2018) Massive shelf dense water flow influences plankton community structure and particle transport over long distance. *Sci Rep* 8, 4554 doi:10.1038/s41598-018-22569-2
8. **Bongiorni L**, Fiorentino F, Auriemma R, Bernardi Aubry F, Camatti E, Camin F, Nasi F, Pansera M, Ziller L, Grall J (2015) Food web of a confined and anthropogenically affected coastal basin (the Mar Piccolo of Taranto) revealed by carbon and nitrogen stable isotopes analyses. *Environmental Science and Pollution Research*, DOI 10.1007/s11356-015-5380-z (Q1, IF:2.760; SJR:0.886; citations: 2).
9. **Bongiorni L**, Ravara A, Paretti P, Santos RS, Rodrigues CF, Amaro T, Cunha MR (2013) Organic matter composition and macrofaunal diversity in sediments of the Condor Seamount (Azores, NE Atlantic). *Deep Sea Research II*, 98: 75-86 (Q1; IF:2.137; SJR:1.314; citations:5).

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Venezia, 07.12.2022

Signature

