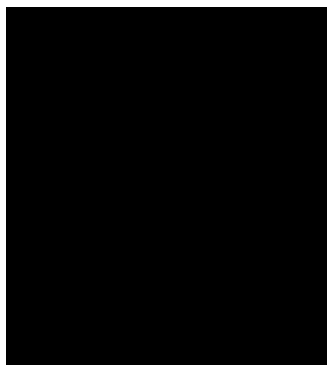


Isabella D'Ambra, PhD
Curriculum vitae et studiorum



Researcher

Stazione Zoologica Anton Dohrn, Napoli (Italy)

Integrative Marine Ecology Department

Tel.: [REDACTED]

Fax: [REDACTED]

e-mail: isabella.dambraa@szn.it

Skype: [isabella.dambra](https://www.skype.com/people/isabella.dambra)

Web sites:

- <http://www.szn.it/index.php/it/personale/elenco-del-personale/572-d-ambra-isabella/1256-d-ambra-isabella>

- https://www.researchgate.net/profile/Isabella_DAmbra

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Stazione Zoologica Anton Dohrn, Napoli, Italy	Researcher	2017-	Ecology of gelatinous zooplankton
Stazione Zoologica Anton Dohrn, Napoli, Italy	Technician	2017	Ecology of gelatinous zooplankton
University "Federico II", Faculty of Medicine, Napoli, Italy	Professor (fixed term)	2016-2017	English language
Stazione Zoologica Anton Dohrn, Napoli, Italy	Postdoc	2015-2016	Ecological characterization of Fusaro lagoons
European Commission Research Agency	Expert	2015	Assignment of Marie Curie Fellowships within the panel Environment
University "Federico II", Faculty of Mathematical, physical and Natural Sciences, Napoli, Italy	Professor (fixed term)	2015-2016	English language
National Institute of Oceanology, Geophysics and Sismology_OGS, Trieste, Italy	Postdoc	2013-2014	Trophic ecology of nekton
University of South Alabama (USA), Department of Marine	PhD In Marine	2006-2012	Application of stable isotopes to the trophic

Sciences Dauphin Island Sea Lab (Alabama, USA)	Sciences		interactions between gelatinous zooplankton and fish
Ministry of French Education	Diplôme Approfondi de la Langue Française (DALF)	2002	French language – native speaker level
Stazione Zoologica Anton Dohrn, Napoli, Italy	Technologist	2000-2004	Maintenance and re- organization of SZN Zoological Collections
University of Cambridge (Cambridge, UK)	Certificate of Proficiency in English (CPE)	1999	English I Language – native speaker level
Stazione Zoologica Anton Dohrn, Napoli, Italy	Laurea (~MSc)	1998-2000	Feeding mechanisms of the scyphomedusa <i>Phyllorhiza punctata</i>

Referee activity:

journals:

Communications Biology, Marine Ecology Progress Series; Marine Biology, Marine Ecology; Limnology and Oceanography; Journal of Plankton Research; Biosphere, Environmental Science and Pollution Research; Marine Mediterranean Science; Journal of Experimental Marine Biology and Ecology; Mammalian Biology; Acta Adriatica; Chemical Ecology

special issues:

(2017) Jellyfish bloom research: advances and challenges (JB5), special issue of Marine Ecology Progress Series

(2016) “Jellyfish: Ecology, Distribution Patterns and Human Interactions”. Gian Luigi Mariottini (Ed.). Nova Science Publish

Projects:

2020: University of Camerino, internal call for projects

Supervising activity

1 Postdoc)

1 PhD student (OPEN University)

2 MSc students (University “Federico II”, Napoli, Italy)

Projects:

Past projects (selected):

- (2001-2009) “Meduza” (NSF, USA): Biology and Ecology of the population of the scyphomedusa Aurelia sp. Scyphomedusae in the lakes of Mljet National Park, Croatia
- (2010-2011) Rapid (NSF, USA): effect of the Deepwater Horizon oil spill on the ecosystem

Ongoing projects (selected):

- Technological Innovation to improve conservation and sustainable exploitation of marine ecosystems (Italian Ministry of Research) – task leader, Biomaterials
- Fisheries management in southern Italy (Italian Fisheries Administration)
- National Program for Antarctic Research (Italian Ministry of Research)
- ABBACO – Restoration of the nationally-relevant site of Bagnoli-Coroglio (Italian Ministry of Research)

- (2014-2020): PO FEAMP (Regione Campania, Italy)
- Assemble Plus (EU): Diversity of endosymbionts dinoflagellates of the scyphomedusa *Cotylorhiza tuberculata*

Presentations at Conferences and Symposia

- 2019** D'Ambra I, Romano G, Ianora A, Merquiol L. Biotechnological applications of scyphomedusae. 6th International Jellyfish Bloom symposium, Cape Town, South Africa, 4-6 november (ORAL)
- 2019** Merquiol L, Cutignano A, Mazzocchi MG, Romano G, D'Ambra I. Fatty acid sas biomarkers: how to connect scyphomedusae to their prey. 6th International Jellyfish Bloom symposium, Cape Town, South Africa, 4-6 november (POSTER)
- 2016.** Avian M., Ramšak A., Tirelli V., D'Ambra I., Malej A. New developments in Pelagiidae taxonomy and phylogeny (Cnidaria: Scyphozoa: Semaestomeae).5th Jellyfish Bloom Symposium, Barcelona (Spain), 30 May-5 June (ORAL)
- 2014** Malej A., Tirelli V., Kogovšek T., D'Ambra I., Angel D. Join our jelly monitoring! PERSEUS General Assembly, Athens, Greece, 27-30 January (POSTER)
- 2012** D'Ambra I., Graham W.M., Carmichael R.H., Hernandez Jr. F.J. Stable isotopes provide evidence the forage fish, *Chloroscombrus chrysurus*, feed on their scyphozoan host in the northern Gulf of Mexico. Gulf States Graduate Students Symposium, Dauphin Island Sea Lab, Dauphin Island, AL, 2-4 March (ORAL)
- 2010** Graham W.M., Condon R.H., Carmichael R.H., D'Ambra I., Patterson H.K. Oil carbon entered the coastal microbial & planktonic food web during the Deepwater Horizon oil spill. Integrated Marine Biogeochemistry and Ecosystem Research Workshop, Crete, Greece, 10-14 October (POSTER)
- 2009** D'Ambra I., Carmichael R.H., Malej A., Graham W.M. Food web reconstruction in Mljet lakes using stable isotopes: a pilot study. "Meduza" Project Symposium, Korcula (Croatia), 13 May (ORAL)
- 2009** D'Ambra I., Carmichael R.H., Graham W.M. Trophic position of *Aurelia* sp.5 (Cnidaria: Scyphomedusae) in Mljet lakes: a new insight in the assessment of gelatinous zooplankton trophic ecology. Gulf of Mexico Graduate Students Symposium, Dauphin Island Sea Lab, Dauphin Island, AL, 4-5 April (ORAL)
- 2009** D'Ambra I., Carmichael R.H., Malej A., Suchman C.L., Graham, W.M.. Using stable isotopes to assess trophic position of *Aurelia* sp.5 in Mljet lakes (Croatia). ASLO Aquatic Sciences Meeting, Nice (France), 25-30 January (ORAL)
- 2009** Collini R.C., Hernandez Jr. F.J., D'Ambra I., Graham W.M. Assessing ichthyoplankton predation risk to resolve patterns and processes due to gelatinous zooplankton feeding. ASLO Aquatic Science Meeting, Nice (France), 25-30 January (POSTER)
- 2009** D'Ambra I., Graham W.M. Early developmental stages of a sea anemone parasite on *Aurelia* sp. from Veliko Jezero (Mljet, Croatia). Second International Jellyfish Blooms Symposium. Gold Coast, Australia, 24-27 July (POSTER)
- 2006** Gambi M.C., D'Ambra I., Fiorito G., Saggiomo V. The Moncharmont Archive: historical aspects of marine biodiversity in the Gulf of Naples and surrounding waters. XVII Congress of the Italian Association of Oceanology and Limnology, Naples, 3-7 July (ORAL)
- 2005** Costello J.H., Colin S.P., Higgins III J.H., D'Ambra I. Scyphomedusan form, function and feeding. ASLO Aquatic science Meeting, Salt Lake City, 20-25 February (ORAL)
- 2000** D'Ambra I., Bentivegna F., Costello J.H. An example of collaborative research at the Naples Aquarium: feeding mechanisms of the Scyphomedusa *Phyllorhiza punctata* von Ledenfeld, 1884. Fifth International Congress of Aquariology, Montecarlo, 20-25 November (ORAL)
- 2000** D'Ambra I., Bentivegna F., Costello J.H. Flow and prey capture by the scyphomedusa *Phyllorhiza punctata* von Ledenfeld, 1884. First International Conference on Jellyfish Blooms, Gulf

Shores (Alabama, USA), 12-14 January (POSTER)

Publications

Peer-reviewed publications:

1. LaJeunesse, T. C., J. Wiedenmann, P. Casado-Amezúa, I. D'Ambra, K. E. Turnham, M. R. Nitschke, C. A. Oakley, S. Goffredo, C. A. Spano, V. M. Cubillos, S. K. Davy, and D. J. Suggett. (in press). Revival of Philozoon Geddes for host-specialized dinoflagellates, 'zooxanthellae', in animals from coastal temperate zones of northern and southern hemispheres. *European Journal of Phycology*:
2. D'Ambra, I., L. Merquiol, W. M. Graham, and J. H. Costello. (2021). "Indirect development" • increases reproductive plasticity and contributes to the success of scyphozoan jellyfish in the oceans. *Scientific Reports* 11(1):1-8.
3. D'Ambra, I. and C. Lauritano (2020). A Review of Toxins from Cnidaria" *Marine Drugs* 18(10): 507.
4. Coppola D., Oliviero M., Vitale G.A., Lauritano C., D'Ambra I., Iannace S., de Pascale D. (2020) Marine collagen from alternative and sustainable sources: extraction, processing and applications. *Marine Drugs*. 18(4), 214.doi.org/10.3390/md18040214.
5. Margiotta F, Balestra C, Buondonno A, Casotti R, **D'Ambra I** et al. (in press) Do plankton reflect the environmental quality status? The case of a post-industrial Mediterranean Bay." *Marine Environmental Research*, 160 ;104980: doi.org/10.1016/j.marenvres.2020.104980
6. Merquiol L, Romano G., Ianora A., D'Ambra I.2019. Biotechnological applications of scyphomedusae. *Marine Drugs* 17; doi:10.3390/md17110604
7. **D'Ambra I.**, Graham W.M., Carmichael R.H., Hernandez Jr. F.J. (2018) Dietary overlap between jellyfish and forage fish in the northern Gulf of Mexico. *Mar Ecol Prog Ser.* 87:31-40 DOI:10.3354/meps12419.
8. Avian M., Ramšak A., Tirelli V., D'Ambra I., Malej A. 2016. Redescription of *Pelagia benovici* into a new jellyfish genus: *Mawia* gen. nov., and its phylogenetic position within Pelagiidae (Cnidaria: Scyphozoa: Semaestomeae). *Invertebrate Systematics*, 30 (6): 523-546. Doi: 10.1071/IS16010;
9. **D'Ambra I.**, Graham W.M., Carmichael R.H., Hernandez Jr. F.J. 2015. Fish rely on scyphozoan hosts as a primary food source: evidence from stable isotope analysis. *Marine Biology*, 162 (2): 247-252 .DOI:10.1007/s00227-014-2569-5;
10. **D'Ambra I.**, Malej, A. 2015. Scyphomedusae of the Mediterranean: state of the art and future perspectives. *Central Nervous System Agents in Medicinal Chemistry* 15 (2): 81-94. DOI: 10.2174/1871524915666150326114733
11. **D'Ambra I.**, Carmichael R.H., Graham W.M. 2014. Determination of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ and trophic fractionation in jellyfish: implications for trophic ecology and food web studies. *Marine Biology*, 161: 473-480; DOI 10.1007/s00227-013-2345-y;
12. **D'Ambra I.**, Graham W.M., Carmichael R.H., Malej A., Onofri V. 2013. Predation patterns and prey quality of medusae in a semi-enclosed marine lake: implications for food web energy transfer in coastal marine ecosystems. *Journal of Plankton Research*, 35 (6): 1305-1312; Doi: 10.1093/plankt/fbt065;
13. Graham W.M., Condon R.H., Carmichael R.H., **D'Ambra I.**, Patterson H.K., Linn L.J., Hernandez Jr. F.J., 2010. Oil carbon entered the coastal planktonic food web during the Deepwater Horizon oil spill. *Environmental Research Letters* 5: 045301, Doi:10.1088/1748-9326/5/4/045301;
14. **D'Ambra I.**, Costello J.H., Bentivegna F., 2001. Flow and prey capture by the scyphomedusa *Phyllorhiza punctata* von Lendenfeld, 1884. *Hydrobiologia*, 451: 223-227, DOI:10.1023/A:1011832222174;

Non peer-reviewed publications:

1. **D'Ambra I.** 2012. Application of stable isotopes in the analysis of trophic interactions between gelatinous zooplankton and fish. PhD Dissertation, University of South Alabama, Mobile, Alabama, USA
2. **D'Ambra I.,** Graham W.M., 2009. Early developmental sequence of an anthozoan parasite of the jellyfish *Aurelia* sp.5 in an isolate marine "lake" (Mljet, Croatia). *Annales Series historia naturalis* 19:59-64
3. Graham W.M., Chiaverano L., **D'Ambra I.,** Mianzan H., Alvarez Colombo G., Acha E.M., Malej A., Costello J.H., Onofri V., Benović A., 2009. Fish and jellyfish: using the isolated marine "lakes" of Mljet Island, Croatia, to explore larger marine ecosystem-based management approaches. *Annales Series historia naturalis* 19: 39-48
4. **D'Ambra I.,** Costello J.H., Bentivegna F., 2001. An example of collaborative research at the Naples Aquarium: feeding mechanisms of the scyphomedusa *Phyllorhiza punctata* von Ledenfeld, 1884. *Bulletin de l'Institut océanographique Monaco*, n° special 20, volume 1: 255-260.

Book Chapters:

1. Gambi M.C., **D'Ambra I.,** Fiorito G., Saggiomo V. 2013. The "Archivio "Moncharmont": a pioneering biodiversity assessment in the Gulf of Naples (Italy). In: Groeben C. (ed.) *Places, People, Tools. Oceanography in the Mediterranean and Beyond. Proceedings of the Eight International Congress for the History of Oceanography.* Pubblicazioni della Stazione Zoologica Anton Dohrn, IV, pp. 459-467. DOI: 10.13140/2.1.2155.9681