

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name	IGNAZIO FONTANA		
Address	OMISSIS		
Telephone	Omissis	Mobile	Omissis
SCOPUS links	<a href="https://www.scopus.com/authid/detail.uri?authorId=57189637436">https://www.scopus.com/authid/detail.uri?authorId=57189637436</a>		
Other link	<a href="https://scholar.google.it/citations?user=QeSAcj0AAAAJ&amp;hl=it">https://scholar.google.it/citations?user=QeSAcj0AAAAJ&amp;hl=it</a>		
E-mail	Omissis		
Nationality	Italian		
Date of Birth	27/06/1981		
Gender	male		

WORK EXPERIENCE

- |  |   |
|--|---|
| • Dates (from - to)                    | December 2011 - today   |
| • Name and address of the employer     | Consiglio Nazionale delle Ricerche - Rome   |
| • Type of business or sector           |   |
| • Occupation or position held          | <b>IT Technician</b>  |
| • Main activities and responsibilities | <b>Technician in technologies and sensors for the marine and maritime environment</b> |

EDUCATION AND TRAINING

- |  |   |
|--|---|
| • Dates (from - to)  | 2019  |
| • Name and type of organisation providing education and training | Università degli Studi di Palermo   |
| • Principal subjects/occupational skills covered                 | Experimental degree thesis aimed to unsupervised classification of biological resource aggregations detected by multifrequency echosounder in the Ross Sea (Antarctica) |
| • Title of qualification awarded                                 | <b>Graduate in Information Science</b>  |
| • Dates (from - to)  | 2005  |
| • Name and type of organisation providing education and training | Università degli Studi di Palermo   |
| • Principal subjects/occupational skills covered                 | Experimental degree thesis aimed to identification of the surface water mass of Atlantic origin and the upwelling area in the Strait of Sicily with satellite images.   |
| • Title of qualification awarded                                 | <b>Degree in computer science</b>   |

PERSONAL SKILLS AND  
COMPETENCES

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	ENGLISH

SCIENTIFIC SKILLS  
AND COMPETENCES

*Living and working with other people, in multicultural environments, in positions*

- Research interests (5 Key words): marine ecology, marine environment, oceanography, ecological modelling.
- Author of more than 10 publications on ISI Scientific Journals.
- Author of 3 National patents.

*where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

#### 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.*

- 2014-2016: "Sistema informatico dell'Osservatorio della biodiversità della Sicilia"  
Funding body: Territory and Environment Department of the Sicilian Region. B12I13000080006. Role: sole responsible for the procedure (RUP).
- He has participated in various examining commissions as a member.

#### PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 31
- TOTAL NUMBER OF CITATIONS: 337
- H-INDEX: 10

10 MOST RELEVANT  
PUBLICATIONS  
*In the last 10 years.*

1. Giacalone G., Barra M., Bonanno A., Basilone G., Fontana L., Calabrò M., Genovese S., Ferreri R., Buscaino G., Mazzola S., Noormets N., Nuth C., Lo Bosco G., Rizzo R., Aronica S. A pattern recognition approach to identify biological clusters acquired by acoustic multi-beam in Kongsfjorden. *Environmental Modelling & Software*, Volume 152, 2022, 105401.
2. Fontana L., Barra M., Bonanno A., Giacalone G., Rizzo R., Mangoni O., Genovese S., Basilone G., Ferreri R., Mazzola S., Lo Bosco G., Aronica S. Automatic classification of acoustically detected krill aggregations: A case study from Southern Ocean, *Environmental Modelling & Software*, Volume 151, 2022, 105357.
3. Basilone G., Ferreri R., Barra M., Bonanno A., Pulizzi M., Gargano A., Fontana L., Giacalone G., Rumolo P., Mazzola S., Genovese S., McBride R., Aronica S. (2020) Spawning ecology of the European anchovy (*Engraulis encrasicolus*) in the Strait of Sicily: linking variations of zooplankton prey, fish density, growth, and reproduction in an upwelling system. *Progress in Oceanography*, Volume 184, Article number: 102330, DOI: 10.1016/j.pocean.2020.102330.
4. Awada H., Aronica S., Bonanno A., Basilone G., Zgozi S.W., Giacalone G., Fontana L., Genovese S., Ferreri R., Mazzola S., Spagnolo B., Valenti D., Denaro G. A novel method to simulate the 3D chlorophyll distribution in marine oligotrophic waters. *Communications in Nonlinear Science and Numerical Simulation*, Volume 103, 2021, 106000, <https://doi.org/10.1016/j.cnsns.2021.106000>.
5. Basilone G., Ferreri R., Aronica S., Mazzola S., Bonanno A., Gargano A., Pulizzi M., Fontana L., Giacalone G., Calandrino P., Genovese S., Barra M. Reproduction and Sexual Maturity of European Sardine (*Sardina pilchardus*) in the Central Mediterranean Sea. *Frontiers in Marine Science*, Volume 8, 2021, DOI: 10.3389/fmars.2021.715846.
6. Aronica S., Fontana L., Giacalone G., Lo Bosco G., Rizzo R., Mazzola S., Basilone G., Ferreri R., Genovese S., Barra M., Bonanno A. Identifying small pelagic Mediterranean fish schools from acoustic and environmental data using optimized artificial neural networks. *Ecological Informatics*. Vol. 50, pp. 149-161 DOI 10.1016/j.ecoinf.2018.12.007
7. Zemunik P., Bonanno A., Mazzola S., Giacalone G., Fontana L., Genovese S., Basilone G., Candela J., Šepić J., Vilibić I., Aronica S. Observing meteotsunamis ("Marrobbio") on the southwestern coast of Sicily. *Nat Hazards* **106**, 1337–1363 (2021). <https://biblioproxy.cnr.it:2481/10.1007/s11069-020-04303-2>
8. Basilone G., Barra M., Ferreri R., Mangano S., Pulizzi M., Giacalone G., Fontana L., Aronica S., Gargano A., Rumolo P., Genovese S., Bonanno A. First annulus formation in the European anchovy; a two-stage approach for robust validation. *Scientific Reports*, Volume 10, Issue 1, Article number 1079; DOI: 10.1038/s41598-020-58174-5
9. Bonanno A., Placenti F., Basilone G., Mifsud R., Genovese S., Patti B., Di Bitetto M., Aronica S., Barra M., Giacalone G., Ferreri R., Fontana L., Buscaino G., Tranchida G., Quinci E., Mazzola S. (2014). Variability of water mass properties in the strait of sicily in summer period of 1998-2013. *Ocean Science*, 10 (5), Pages 759-770, ISSN 1812-0784, DOI: 10.5194/os-10-759-2014
10. Bonanno A., Zgozi S., Basilone G., Hamza M., Barra M., Genovese S., Rumolo P., Nfate A., Elsgar M., Goncharov S., Popov S., Mifsud R., Bahri T., Giacalone G., Fontana L., Buongiorno Nardelli B., Aronica S., Ceriola L., Patti B., Ferreri R., Colella S., Volpe G., Mazzola S. (2015). Acoustically detected pelagic fish community in relation to environmental conditions observed in the Central Mediterranean sea: a comparison of Libyan and Sicilian–Maltese coastal areas. *Hydrobiologia*, 755 (1), Pages 209-224, ISSN 0018-8158, DOI: 10.1007/s10750-015-2234-0

PATENTS

- 3 National Patents: Pat. N. 0001400127 of 17.05.2013; Pat. N. 0001400128 of 17.05.2013; Pat. N. 0001400130 of 17.05.2013;

**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**

Petrosino, 26.07.2022

Signature