

INFORMAZIONI PERSONALI

Francesco MASTROTOTARO



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OCCUPAZIONE

**Professore Associato** di Zoologia, Dipartimento di Biologia Università degli Studi di Bari Aldo Moro (SSD BIO/05)

ESPERIENZA PROFESSIONALE

Dal luglio 2017 Professore associato di Zoologia Università degli studi di Bari

Dal 2009 al 2017 Ricercatore in Zoologia Università degli studi di Bari

ISTRUZIONE E FORMAZIONE

**2006** Specializzazione in Biochimica marina e biotecnologie applicate alla pesca e all'acquacoltura presso la Facoltà di Medicina Veterinaria dell'Università di Bari (50/50).

**2002** Dottorato di ricerca in Biologia Ambientale XIV ciclo presso l'Università degli Studi di Siena dal titolo: Studio di comunità batiali del Mar Ionio sottoposte a differente pressione antropica (titolo conferito il 18/3/2002).

**1993** Laurea in Scienze Biologiche (17/11/1993) presso l'Università degli Studi di Bari 110/110 e lode

Lingua madre Italiano

Altre lingue	COMPRESIONE		PARLATO		PRODUZIONE E SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	B1	B2	B2	B2	B1
Sostituire con il nome del certificato di lingua acquisito. Inserire il livello, se conosciuto					
Francese	B1	B1	B1	B1	A2
Sostituire con il nome del certificato di lingua acquisito. Inserire il livello, se conosciuto					

Livelli: A1/A2: Utente base - B1/B2: Utente intermedio - C1/C2: Utente avanzato

Quadro Comune Europeo di Riferimento delle Lingue

#### ULTERIORI INFORMAZIONI

Pubblicazioni/libri	
Monografie/capitoli libri	
2021	Chimienti G., D'Onghia G., <b>Mastrototaro F.</b> (2021). Macrobenthic invertebrates. <i>In</i> Carpentieri, P., Nastasi, A., Sessa, M. & Srouf, A., eds. 2021. Incidental catch of vulnerable species in Mediterranean and Black Sea fisheries – A review. General Fisheries Commission for the Mediterranean. Studies and Reviews. No. 101. Rome, FAO. <a href="https://doi.org/10.4060/cb5405en">https://doi.org/10.4060/cb5405en</a>
2019	Chimienti G., Bo M., Taviani M., <b>Mastrototaro F.</b> (2019) - Occurrence and Biogeography of Mediterranean Cold-Water Corals: 213-243. <i>In</i> Coral Reefs of the world, 9: Mediterranean Cold-Water Corals: Past, Present and Future. Orejas C and Jiménez Editors. Springer. Chimienti G., <b>Mastrototaro F.</b> , D'Onghia G. (2019) - Mesophotic and Deep-Sea Vulnerable Coral Habitats of the Mediterranean Sea: Overview and Conservation Perspectives. <i>In</i> The Benthos Zone. IntechOpen.
20017	Brunetti R., <b>Mastrototaro F.</b> (2017) – Ascidiacea of the European Waters. Fauna d'Italia 51. Editore: Edagricole-New Business Media (Carderini), pp.472.
Pubblicazioni ISI	
2021	Orfanidis S., Alvito A., Azzurro E., Badreddine A., Ben Souissi J., Chamorro C., Crocetta F., Dalyan C., Fortič A., Galanti L., Geyran K., Ghanem R., Goruppi A., Grech D., Katsanevakis S., Madrenas E., <b>Mastrototaro F.</b> , Montesanto F., Pavičić M., Pica D., Pola L., Pontes M., Ragkousis M., Rosso A., Sánchez-Tocino L., Tierno De Figueroa J. M., Tiralongo F., Tirelli V., Tsioli S., Tunçer S., Vrdoljak D., Vuletin V., Zaouali J., & Zenetos A. (2021). "New Alien Mediterranean Biodiversity Records" (March 2021). <i>Mediterranean Marine Science</i> , 22(1), 180-198. doi: <a href="https://doi.org/10.12681/mms.25294">https://doi.org/10.12681/mms.25294</a> Santin A., Aguilar R., Akyol O., Begburs C. R., Benoit L., Chimienti G., Crocetta F., Dalyan C., De La Linde Rubio A., Dragicevic B., Dulcic J., Giglio G., Gönülal O., Kebapcioglu T., Kesici N. B., Kiparissis S., Kousteni V., Mancini E., <b>Mastrototaro F.</b> , Menut T., Montesanto F., Peristeraki P., Poursanidis D., Renoult J., Sánchez-Tocino L., Sperone E., Tiralongo F. (2021). "New records of rare species in the Mediterranean Sea" (March 2021). <i>Mediterranean Marine Science</i> , 22(1), 199-217. doi: <a href="https://doi.org/10.12681/mms.25295">https://doi.org/10.12681/mms.25295</a> Salonna M., Gasparini F., Huchon D., Montesanto F., Haddas-Sasson M., Ekins M.,

	<p>McNamara M., <b>Mastrototaro F.</b>, Gissi C. (2021) An elongated COI fragment to discriminate botryllid species and as an improved ascidian DNA barcode. <i>Scientific Reports</i> 11, Article number 4078 (2021): 1-19. <a href="https://doi.org/10.1038/s41598-021-83127-x">https://doi.org/10.1038/s41598-021-83127-x</a></p> <p>Montesanto F., Chimienti G., Gissi C., <b>Mastrototaro F.</b> (2021). Spread of the non-indigenous ascidian <i>Aplidium accarens</i> (Millar, 1953) in the Eastern Mediterranean Sea: morphological and molecular tools for an accurate identification. <i>Mediterranean Marine Science</i>, 22(2), 246-254. doi:<a href="https://doi.org/10.12681/mms.24887">https://doi.org/10.12681/mms.24887</a></p> <p>Chimienti G., Aguilar R., Maiorca M., <b>Mastrototaro F.</b> (2021) A no. n-invasive method to assess the population structure of the whip coral <i>Ellisella flagellum</i>. <i>International Workshop on Metrology for the Sea</i>. October 4 - 6, 2021 Virtual Conference</p> <p><b>Mastrototaro F.</b>, Montesanto F., Tursi And., Aguilar R., Chimienti G. (2021). Biometry supporting species identification from underwater images in two Mediterranean Sea urchins. <i>International Workshop on Metrology for the Sea</i>. October 4 - 6, 2021 Virtual Conference</p> <p>Tursi And., <b>Mastrototaro F.</b>, Montesanto F., Chimienti G. (2021). Monitoring the seagrass <i>Posidonia oceanica</i> to understand the effects of local disturbances in a marine protected area. <i>International Workshop on Metrology for the Sea</i>. October 4 - 6, 2021 Virtual Conference.</p> <p>Chimienti G., De Padova D., Adamo M., Mossa M., Bottalico A., Lisco A., Ungaro N., <b>Mastrototaro F.</b> (2021) Effects of global warming on Mediterranean coral forests. <i>Scientific Reports</i> 11, article number 20703: 1-14. <a href="https://doi.org/10.1038/s41598-021-00162-4">https://doi.org/10.1038/s41598-021-00162-4</a>.</p>
2020	<p>Brunetti R., Griggio F., <b>Mastrototaro F.</b>, Gasparini F., Gissi C. (2020) Toward a resolution of the cosmopolitan <i>Botryllus schlosseri</i> species complex (Ascidiacea, Styelidae): mitogenomics and morphology of clade E (<i>Botryllus gaiae</i>). <i>Zoological Journal of the Linnean Society</i>, zlaa023: 1–18. doi.org/10.1093/zoolinnean/zlaa023.</p> <p>Chimienti G., De Padova D., Mossa M., <b>Mastrototaro F.</b> (2020) A mesophotic black coral forest in the Adriatic Sea. <i>Scientific Reports</i> 10:8504 <a href="https://doi.org/10.1038/s41598-020-65266-9">https://doi.org/10.1038/s41598-020-65266-9</a>.</p> <p>Chimienti G., Rizzo L., Kaleb S., Falace A., Frascchetti S., De Giosa F., Tursi A., Barbone E., Ungaro N., <b>Mastrototaro F.</b> (2020) Rhodolith Beds Heterogeneity along the Apulian Continental Shelf (Mediterranean Sea). <i>J. Mar. Sci. Eng.</i>, 8, 813; doi:10.3390/jmse8100813</p> <p><b>Mastrototaro F.</b>, Montesanto F., Salonna M., Viard F., Chimienti G., Trainito E., Gissi C. (2020) An integrative taxonomic framework for the study of the genus <i>Ciona</i> (Ascidiacea) and description of a new species, <i>Ciona intermedia</i> <i>Zoological Journal of the Linnean Society</i>, zlaa042. doi.org/10.1093/zoolinnean/zlaa042.</p> <p>Morato T., González-Irusta J-M, Dominguez-Carrió C., Chih-Lin Wei C-L, Davies A., Sweetman A. K., Taranto G. H., Beazley L., García-Alegre A., Grehan A., Laffargue P., Francisco Javier Murillo F. J., Sacau M., Vaz S., Kenchington E., Arnaud-Haond S., Callery O., Chimienti G., Cordes E., Egilsdottir H., Freiwald A., Gasbarro R., Gutiérrez-Zárate C., Matthew Gianni M., Gilkinson K., Vonda E. Wareham Hayes V. E. Dierk Hebbeln, Hedges K., Henry L.A., Johnson D., Koen-Alonso M., Lirette C., <b>Mastrototaro F.</b>, Menot L., Molodtsova T., Durán Muñoz P. Orejas C., Pennino M. G. Patricia Puerta P., Ragnarsson S. Á., Ramiro-Sánchez B., Rice J., Rivera J., Roberts J. M., Ross S. W., Rueda J. L. Sampaio Í, Snelgrove P., Stirling D., Treble M. A. Urra J., Vad J., van Oevelen D., Watling L., Walkusz W., Wienberg C., Woillez M., Levin L. A. Carreiro-Silva M. (2020) Climate-induced changes in the suitable habitat of cold-water corals and commercially important deep-sea fishes in the North Atlantic. <i>Global Change Biology</i>, 26: 2181–2202.</p> <p>Ragkousis M., Abdelali N., Azzurro E., Badreddine A., Bariche M., Bitar G., Crocetta</p>

	<p>F., Denitto F., Digenis M., El Zrelli R., Ergenler A., Fortič A., Gerovasileiou V., Grimes S., Katsanevakis S., Koçak C., Licchelli C., Loudaros E., <b>Mastrototaro F.</b>, Mavrič B., Mavruk S., Miliou A., Montesanto F., Ovalis P., Pontes M., Rabaoui L., Sevingel N., Spinelli A., Tiralongo F., Tsatiris A., Turan C., Vitale D., Yalgin F., Yapici S., Zenetos A. (2020). New Alien Mediterranean Biodiversity Records (October 2020). <i>Mediterranean Marine Science</i>. DOI: <a href="https://doi.org/10.12681/mms.23674">https://doi.org/10.12681/mms.23674</a></p> <p>Chimienti G., <b>Mastrototaro F.</b> (2020). What do marine zoologists need from an underwater vehicle?. 2019 IMEKO TC-19 International Workshop on Metrology for the Sea Genoa, Italy, October 3-5, 2019.</p> <p><b>Mastrototaro F.</b>, Aguilar R., Alvarez H., Blanco J., García S., Montesanto F., Perry A.L., Chimienti G. (2020). Mesophotic rocks dominated by <i>Diazona violacea</i>: a Mediterranean codified habitat. <i>The European Zoological Journal</i>, 87(1): 688-695. DOI: 10.1080/24750263.2020.1837972</p>
2019	<p><b>Mastrototaro F.</b>, Chimienti G., Montesanto F., Perry A. L., García S., Helena Alvarez H., Blanco J., Aguilar R. (2019). Finding of the macrophagous deep-sea ascidian <i>Dicopia antirrhinum</i> Monniot, 1972 (Chordata: Tunicata) in the Tyrrhenian Sea. <i>European Zoological Journal</i>.</p> <p>Chimienti G., Aguilar R., Gebruk A.V. , <b>Mastrototaro F.</b> (2019) Distribution and swimming ability of the deep-sea holothuroid <i>Penilpidia ludwigi</i> (Holothuroidea: Elaspodida: Elpidiidae). <i>Marine Biodiversity</i>, 49:2369–2380.</p> <p><b>Mastrototaro F.</b>, Montesanto F., Salonna M., Grieco F., Trainito E., Chimienti G., Gissi C. (2019) Hitch-hikers of the sea: concurrent morphological and molecular identification of <i>Symplegma brakenhielmi</i> (Tunicata: Ascidiacea) in the western Mediterranean Sea. <i>Mediterranean Marine science</i>.</p> <p>Chimienti G., Di Nisio A., Lanzolla A. M. L., Andria A., Tursi A., <b>Mastrototaro F.</b> (2019). Towards non-invasive methods to assess population structure and biomass in vulnerable sea pen fields. <i>SENSOR</i></p> <p>Scelzo M., Alié A., Pagnotta S., Lejeune C., Henry P., Gilletta L., Hiebert L. S., <b>Mastrototaro F.</b>, Tiozzo S. (2019) Novel budding mode in <i>Polyandrocarpa zorritensis</i>: a model for comparative studies on asexual development and whole body regeneration. <i>EvoDevo</i> (2019) 10 (7): 1-13. <a href="https://doi.org/10.1186/s13227-019-0121-x">https://doi.org/10.1186/s13227-019-0121-x</a></p> <p>Boscari E., Abbiati M., Badalamenti F., Bavestrello G., Benedetti-Cecchi L., Cannas R., Cau A., Cerrano C., Chimienti G., Costantini F., Frascchetti S., Ingresso G., Marino I. A. M., <b>Mastrototaro F.</b>, Papetti C., Paterno M., Ponti M., Zane L., Congiu L. (2019). A population genomics insight by 2b-RAD reveals populations' uniqueness along the Italian coastline in <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae). <i>Diversity and Distributions</i>. 2019: 1–17. DOI: 10.1111/ddi.12918</p> <p>Rocha R.M., Salonna M., Griggio F., Ekins M., Lambert G., <b>Mastrototaro F.</b>, Fidler A., Gissi C. (2019) - The power of combined molecular and morphological analyses for the genus <i>Botrylloides</i>: identification of a potentially global invasive ascidian and description of a new species. <i>Systematics and Biodiversity</i>, DOI: 10.1080/14772000.2019.1649738.</p> <p>Servello G., Andaloro F., Azzurro E., Castriota L., Catra M., Chiarore A., Crocetta F., D'alessandro M., Denitto F., Frogliola C., Gravili C., Langer M., Lo Brutto S., <b>Mastrototaro F.</b>, Petrocelli A., Pipitone C., Piraino S., Relini G., Serio D., Xentidis N., Zenetos A. (2019). Marine Alien Species In Italy: A contribution to the implementation of descriptor D2 of the Marine Strategy Framework Directive. <i>Mediterranean Marine Science</i>, 0. doi:<a href="http://dx.doi.org/10.12681/mms.18711">http://dx.doi.org/10.12681/mms.18711</a></p>
2018	<p>Chimienti G., Angeletti L., rizzo L., Tursi A., <b>Mastrototaro F.</b> (2018). ROV vs trawling approaches in the study of benthic communities: the case of <i>Pennatulula rubra</i> (Cnidaria: Pennatulacea). <i>Journal of the Marine Biological Association of the United Kingdom</i>: 1-11. doi:10.1017/S0025315418000851.</p> <p>Chimienti G., Bo M., <b>Mastrototaro F.</b> (2018) Know the distribution to assess the changes: Mediterranean cold-water coral bioconstructions. <i>Rendiconti Lincei. Scienze Fisiche e Naturali</i>. <a href="https://doi.org/10.1007/s12210-018-0718-3">https://doi.org/10.1007/s12210-018-0718-3</a></p>

	<p>Chimienti G., Tursi A., <b>Mastrototaro F.</b> (2018). Biometric relationships in the red sea pen <i>Pennatula rubra</i> (Cnidaria: Pennatulacea). 2018 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea), Bari, Italy, 2018, pp. 212-216. <a href="https://doi.org/10.1109/MetroSea.2018.8657885">https://doi.org/10.1109/MetroSea.2018.8657885</a>.</p> <p>Micaroni V., Strano F., Di Franco D., Langeneck J., Gravili C., Bertolino M., Costa C., Rindi F., Froglija C., Fabio Crocetta F., Giangrande A., Nicoletti L., Medagli P., Zuccarello V., Arzeni S., Bo M., Betti F., <b>Mastrototaro F.</b>, Lattanzi L., Piraino S., Boero F., (2018) Project "Biodiversity MARE Tricase": biodiversity research, monitoring and promotion at MARE Outpost (Apulia, Italy). <i>Rendiconti Lincei. Scienze Fisiche e Naturali</i>. <a href="https://doi.org/10.1007/s12210-018-0726-3">https://doi.org/10.1007/s12210-018-0726-3</a></p> <p>Ingrosso G., Abbiati M., Badalamenti F., Bavearello G., Belmonte G., Cannas R., Benedetti-Cecchi L., Bertolino M., Bevilacqua S., Bianchi C.N., Bo M., Boscarei E., Cardone F., Cattaneo-Viotti R., Cau A., Cerrano C., Chemello R., Chimienti G., Congiu L., Corriero G., Costantini F., De Leo F., Donnarumma L., Falace A., Frascchetti S., Giangrande A., Gravina M. F., Guarnieri G., <b>Mastrototaro F.</b>, Milazzo M., Morri C., Musco L., Pezzolesi L., Piraino S. Prada F., Ponti M., Rindi F., Russo G. F., Sandulli R., Villamor A., Zane L., Boero F. (2018) Mediterranean Bioconstructions Along the Italian Coast. <i>Advances in Marine Biology</i>. ISSN 0065-2881. <a href="https://doi.org/10.1016/bs.amb.2018.05.001">https://doi.org/10.1016/bs.amb.2018.05.001</a>.</p> <p>Nasto I., Cardone F., <b>Mastrototaro F.</b>, Panetta P., Rosso A., Sanfilippo R., Taviani M., Tursi A. (2018). Benthic invertebrates associated with subfossil cold-water coral frames and hardgrounds in the Albanian deep waters (Adriatic Sea). <i>Turkish Journal of Zoology</i> 42: TUBITAK doi:10.3906/zoo-1708-44</p> <p>Chimienti G., Angeletti L., <b>Mastrototaro F.</b> (2018). Withdrawal behaviour of the red sea pen <i>Pennatula rubra</i> (Cnidaria:Pennatulacea). <i>The European Zoological Journal</i>, 85 (1): 64–70.</p> <p>Petović S., Grieco F., Mačić V., Montesanto F., <b>Mastrototaro. F.</b> (2018). New data on <i>Aplidium tabarquense</i> (Tunicata: Ascidiacea) distribution in the Adriatic Sea. <i>Turkish Journal of Zoology</i>, 42: 146-151.</p>
2017	<p>Brunetti R., Manni L., <b>Mastrototaro F.</b>, Gissi C., Gasparini F. (2017). Fixation description and DNA barcode of a neotype for <i>Botryllus schlosseri</i> (Pallas, 1766) (Tunicata, Ascidiacea) (2017). <i>Zootaxa</i> 4353 (1): 029–050.</p> <p>Chimienti G., Stithou M., Dalle Mura I., <b>Mastrototaro F.</b>, D'Onghia G., Tursi T, Frascchetti S. (2017). An Explorative Assessment of The Importance of Mediterranean Coralligenous Habitat to Local Economy: The Case of Recreational Diving. <i>Journal of Environmental Accounting and Management</i>, 5(4): 310-320.</p> <p><b>Mastrototaro F.</b>, Chimienti G., Acosta J., Blanco J., Garcia S., Rivera J., Aguilar R. (2017) – <i>Isidella elongata</i> (Cnidaria: Alcyonacea) <i>facies</i> in the western Mediterranean Sea: visual surveys and descriptions of its ecological role. <i>European Journal of Zoology</i>, 84 (1): 209-225.</p> <p>D'Onghia G., Calculli C., Capezzuto F., Carlucci R., Carluccio A., Grehan A., Indennidate A., Maiorano P., <b>Mastrototaro F.</b>, Pollice A., Russo T., Savini A., Sion L. and Tursi A. (2017). Anthropogenic impact in the Santa Maria di Leuca cold-water coral province (Mediterranean Sea): observations and conservation straits, <i>Deep-Sea Research Part II</i>, 145: 87–101.</p>
2016	<p>Boero F, Fogliini F, Frascchetti S., Goriup P, Macpherson E., Planes S., Soukissian T., <b>The CoCoNet Consortium.</b> (2016) CoCoNet: Towards Coast to Coast Networks of Marine Protected Areas (From The Shore To The High And Deep Sea), Coupled With Sea-Based Wind Energy Potential. <i>SCientific RESearch and Information Technology</i>, 6, Supplement (2016): 1-95. e-ISSN 2239-4303, DOI 10.2423/i22394303v6Spl</p> <p>Bracchi V. A., Marchese F., Savini A., Chimienti G., <b>Mastrototaro F.</b>, Tessarolo C., Cardone F., Tursi A., Corselli C. (2016). Seafloor integrity of the Mar Piccolo Basin (Southern Italy): quantifying anthropogenic impact. <i>Journal of Maps</i>, DOI: 10.1080/17445647.2016.1152920</p> <p><b>Mastrototaro F.</b>, Aguilar R., Chimienti G., Gravili C., Boero F., 2016 - The</p>

	<p>rediscovery of <i>Rosalinda incrustans</i> (Cnidaria: Hydrozoa) in the Mediterranean Sea. <i>Italian Journal of Zoology</i>. 83(2): 244-247. DOI: 10.1080/11250003.2016.1181800</p> <p>Atlante A., Basset A., Bobba A., Lassandro R., <b>Mastrototaro F.</b>, Vignes F. (2016) Functional characterization of the oxidative capacity of mitochondria and glycolytic assessment in benthic aquatic organisms. <i>Journal of Bioenergetics and Biomembranes</i>. DOI 10.1007/s10863-016-9647-y.</p>
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**Dati personali** Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Bari 09/02/2022

In fede

Prof. Francesco Mastrototaro

