

## Valerio Mazzella



Born in Ischia, Italy on the 26/08/1987

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**Current Position:** Post-Doctoral Fellowship

**Supervisors :** Laura Núñez-Pons, Mario Santoro

**Affiliation:**

Section EMI, Stazione Zoologica Anton Dohrn, Napoli (Italy)

### Education/Training/Experience

| Institute and Location                                              | Degree / Function   | Year      | Field of Study                                                                                                                                                     |
|---------------------------------------------------------------------|---------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Università degli studi di Napoli Federico II                        | Bachelor's degree   | 2007-2011 | Marine Biology                                                                                                                                                     |
| Università degli studi di Napoli Federico II                        | Master's degree     | 2011-2014 | Biological Sciences                                                                                                                                                |
| Stazione Zoologica A. Dohrn – Benthic Ecology Center – Ischia-Italy | Research Fellowship | 2015-2017 | Construction of knowledge to support the definition of adaptation strategies to the effects of marine acidification, with particular reference to the Italian seas |
| Università Politecnica delle Marche / Stazione Zoologica A. Dohrn   | Ph. D.              | 2017-2021 | Marine microbial ecology: Microbiome, metabolic and phenotypic traits in the adaptability of marine sponges to Ocean Acidification                                 |
|                                                                     |                     |           |                                                                                                                                                                    |

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|-----------------------------|-------------------------|----------------|------------------------------------------------------------------------------------|
| Stazione Zoologica A. Dohrn | Postdoctoral Fellowship | 2022 - to date | Marine microbial ecology, metabolomics, sponge ecology. Fish-parasite interactions |
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### **Other matters relevant to scientific career**

Mycologist. Expert on taxonomic determination of terrestrial macrofungi, with particular interest on the *Boletales* group. Co-organizer of the yearly mycological exhibition: “I funghi della Campania”.

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### **Publications:**

Núñez-Pons L., **Mazzella V.**, Rispo F., Efremova J., Calcinai B. (2022)

DNA Barcoding procedures for taxonomical and phylogenetic studies in marine animals: porifera as Case Study

In Marine Genomics, 1<sup>st</sup> ed. 2022; Methods and Protocols in Molecular Biology Series; Vol. 2498

Sanchez-Arcos C, Paris D, **Mazzella V**, Mutalipassi M, Costantini M, Buia MC, von Elert E, Cutignano A, Zupo V (2022) Responses of the Macroalga *Ulva prolifera* Müller to Ocean Acidification Revealed by Complementary NMR- and MS-Based Omics Approaches. *Mar Drugs* 20.

Mutalipassi M\*, **Mazzella V\***, Schott M, Fink P, Glaviano F, Porzio L, Lorenti M, Buia MC, von Elert E, Zupo V (2022b) Ocean Acidification Affects Volatile Infochemicals Production and Perception in Fauna and Flora Associated With *Posidonia oceanica* (L.) Delile. *Front Mar Sci* 9:1–17.

Mutalipassi M, **Mazzella V**, Glaviano F, Zupo V (2022a) Constitutive and activated toxigenic activity of *Halomicronema metazoicum* (Cyanoprokaryota, Cyanophyta). *Mar Ecol*.

Mutalipassi M, Riccio G, **Mazzella V**, Galasso C, Somma E, Chiarore A, de Pascale D, Zupo V (2021) Symbioses of cyanobacteria in marine environments: Ecological insights and biotechnological perspectives. *Mar Drugs*.

Moreiras-Figueruelo A, Nuzzo G, Galasso C, Sansone C, Crocetta F, **Mazzella V**, Gallo C, Barra G, Sardo A, Iuliano A, Manzo E, D’ippolito G, Albrihtsen M, Andersen JH, Ianora A, Fontana A (2021) Probing the therapeutic potential of marine phyla by spe extraction. *Mar Drugs* 19:1–16.

Vitale GA, Sciarretta M, Cassiano C, Buonocore C, Festa C, **Mazzella V**, Pons LN, D’auria MV, de Pascale D (2020) Molecular network and culture media variation reveal a complex metabolic profile in *pantoea* cf. *Eucrina d2* associated with an acidified marine sponge. *Int J Mol Sci* 21:1–18.

Lubrano Lavadera A\*, **Mazzella V\***, D’Antonio C. (2019) An updated checklist of macrofungi of Vivara island (gulf of Naples – Italy). *Stud Fungi* 4:205–215.

Mutalipassi M, **Mazzella V**, Romano G, Ruocco N, Costantini M, Glaviano F, Zupo V (2019a) Growth and toxicity of *Halomicronema metazoicum* (Cyanoprokaryota, Cyanophyta) at different conditions of light, salinity and temperature. *Biol Open* 8.

Mutalipassi M, **Mazzella V**, Zupo V (2019b) Ocean acidification influences plant-animal interactions: The effect of *Cocconeis scutellum parva* on the sex reversal of *Hippolyte inermis*. *PLoS One* 14:1–14.

Mutalipassi M, Di Natale M, **Mazzella V**, Zupo V (2018) Automated culture of aquatic model organisms: Shrimp larvae husbandry for the needs of research and aquaculture. *Animal* 12:155–163.

Motta CM, Cerciello R, De Bonis S, **Mazzella V**, Cirino P, Panzuto R, Ciaravolo M, Simoniello P, Toscanesi M, Trifuoggi M, Avallone B (2016) Potential toxicity of improperly discarded exhausted photovoltaic cells. Environ Pollut.