Federica Ragazzola

Born in Iglesias (Italy) on 30/10/1976

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Current Position: ricercatore III° livello, Researcher

Current Affiliation:
Integrative Marine Ecology Department, Ischia Marine Centre, Stazione Zoologica Anton Dohrn, Punta San Pietro, 80077 Ischia, Naples, Italy

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Universita' degli Studi di Sassari,	Laurea Magistrale	2002	Natural Sciences
Universita' degli Studi di Pisa	Ph.D.	2009	Biological sciences
GEOMAR, Helmholtz Centre for Ocean Research Kiel, Wischhofstraße 1-3, 24148 Kiel, Germany	PostDoc	2009-2011	Ocean Acidification on calcifying algae BIOACID project
Bristol University, Wills memorial building, Bristol, UK. Department of Earth science, Paleaobiology	PostDoc	2012-2014	Palaeobiology-climate change
University of Portsmouth, Institute of Marine Science Ferry Road, Portsmouth.	Lecturer	2015-2016	Climate change-calcifying algae
University of Portsmouth, Institute of Marine Science Ferry Road, Portsmouth.	Senior Lecturer	2017-2020	Climate change-calcifying algae
Stazione Zoologica Anton Dohrn, Napoli, Italy	Ricercatore III° livello	2021-present	Macrophytes and climate changes

Appointments and awards

2018-2020 - Chair of the logistic committee of the Institute of Marine Science, University of Portsmouth

2016 – 2018 - Chair of the equality and diversity committee (University of Portsmouth)

2018- 2019 - Course Leader Master in Applied aquatic Biology (University of Portsmouth)

2016 – present - member of the Editorial Board of PeerJ

2019 – Present - member of the Editorial Board of Climate Change Ecology

Other

Fellow of the Linnean Society, member of: the British Phycological society, the European Geochemistry Association, the British Ecological Society

Students' Supervision

PhD supervisor of 4 Ph.D. students (first supervisor, second supervisor and external)

Publications

Author of 21 publications on ISI-journals

List of publications of the last 10 years *:*

Peer-reviewed

Kolzenburg, R., D'Amore, F., McCoy, S. J., & **Ragazzola, F**. (2021). Marginal populations show physiological adaptations and resilience to future climatic changes across a North Atlantic distribution. Environmental and Experimental Botany, 188, 104522.

Ragazzola, F., Marchini, A., Adani, M., Bordone, A., Castelli, A., Cerrati, G., ... & Lombardi, C. (2021). An intertidal life: Combined effects of acidification and winter heatwaves on a coralline alga (Ellisolandia elongata) and its associated invertebrate community. Marine Environmental Research, 169, 105342**.**

Ragazzola, F., Kolzenburg, R., Adani, M., Bordone, A., Cantoni, C., Cerrati, G., ... & Lombardi, C. (2021). Carbonate chemistry and temperature dynamics in an alga dominated habitat. Regional Studies in Marine Science, 44, 101770.

Ragazzola, F., Kolzenburg, R., Zekonyte, J., Teichert, S., Jiang, C., Žuljević, A., ... & Falace, A. (2020). Structural and Elemental Analysis of the Freshwater, Low-Mg Calcite Coralline Alga Pneophyllum cetinaensis. Plants, *9*(9), 1089.

Ragazzola, F., Caragnano, A., Basso, D., Schmidt, D., & Fietzke, J. (2020). Establishing temperate crustose Early Holocene coralline algae as archives for palaeoenvironmental reconstructions of the shallow water habitats of the Mediterranean Sea. Palaeontology, 63(1), 155-170

Rendina, F., Bouchet, P. J., Appolloni, L., Russo, G. F., Sandulli, R., Kolzenburg, R., ... & **Ragazzola, F.** (2019). Physiological response of the coralline alga Corallina officinalis L. to

both predicted long-term increases in temperature and short-term heatwave events. Marine Environmental Research, 104764.

Dobretsov, S., Coutinho, R., Rittschof, D., Salta, M., **Ragazzola, F**., & Hellio, C. (2019). The oceans are changing: impact of ocean warming and acidification on biofouling com-munities. Biofouling, 1-11.

Kolzenburg, R., Nicastro, K. R., McCoy, S. J., Ford, A. T., Zardi, G. I., & **Ragazzola, F**. (2019). Understanding the margin squeeze: Differentiation in fitness-related traits be-tween central and trailing edge populations of Corallina officinalis. Ecology and Evolution, 9(10), 5787-5801.

Ragazzola, F., Marchini, A., Vasapollo, C., Castelli, A., Cerrati, G., Gazzola, F., ... & Nannini, M. (2019). Intertidal Mediterranean coralline algae habitat is expecting a shift to-wards a reduced growth and a simplified associated fauna under climate change. Frontiers in Marine Science, 6, 106.

Tavares, A. I., Nicastro, K. R., Kolzenburg, R., **Ragazzola, F**., Jacinto, R., & Zardi, G. I. (2018). Isolation and characterization of nine microsatellite markers for the red alga Cor-allina officinalis. Molecular biology reports, 45(6), 2791-2794.

Ragazzola, F., Raiteri, G., Fabbri, P., Scafè, M., Florio, M., Nannini, M. & Lombardi, C. (2017). Struc-tural integrity of Ellisolandia elongata reef: a mechanical approach to com-pare tensile strengths in natural and controlled environments. Marine Ecology 38,5,e12455

Caragnano, A., Basso, D., Storz, D., Jacob, D. E., **Ragazzola, F.,** Benzoni, F., & Dutrieux, E. (2017). Elemental variability in the coralline alga Lithophyllum yemenense as an archive of past climate in the Gulf of Aden (NW Indian Ocean). Journal of Phycology, 53(2), 381-395.

Ragazzola, F., Foster, L. C., Jones, C. J., Scott, T. B., Fietzke, J., Kilburn, M. R., & Schmidt, D. N. (2016). Impact of high CO2 on the geochemistry of the coralline algae Lithothamnion glaciale. Scientific reports, 6, 20572.

Wall, M., **Ragazzola, F**., Foster, L. C., Form, A., & Schmidt, D. N. (2015). pH up-regulation as a potential mechanism for the cold-water coral Lophelia pertusa to sustain growth in aragonite undersaturated conditions. Biogeosciences, 12(23), 6869-6880.

Nannini, M., De Marchi, L., Lombardi, C., & **Ragazzola, F**. (2015). Effects of thermal stress on the growth of an intertidal population of Ellisolandia elongata (Rhodophyta) from N–W Mediterranean Sea. Marine environmental research, 112, 11-19.

Fietzke, J., **Ragazzola, F.,** Halfar, J., Dietze, H., Foster, L. C., Hansteen, T. H., Eisen-hauer, A., & Steneck, R. S. (2015). Century-scale trends and seasonality in pH and tem-perature for shallow zones of the Bering Sea. Proceedings of the National Academy of Sciences, 112(10), 2960-2965.

McCoy, S. J., & **Ragazzola, F.** (2014). Skeletal trade-offs in coralline algae in response to ocean acidification. Nature Climate Change, 4(8), 719.

Brodie J, Williamson C, Smale D, Kamenos N, Mieszkowska N, Santos R, Cunliffe M, Steinke M, Yesson C, Anderson K M., Asnaghi V, BrownleeC, Burdett H, Burrows M, Col-lins S, Donohughe P, Harvey B, Foggo A, Noisette F, Nunes J, **Ragazzola F**, Raven J, Schmidt DN,

Suggett D, Teichberg M, & Hall-Spencer J. (2014). The future of the NE At-lantic benthic flora in a high CO2 world. Ecology and Evolution, 4(13), 2787–2798.

Ragazzola, F., Taylor, P. D., Bazzicalupo, P., Okamura, B., & Schmidt, D. N. (2014). A new species of the cheilostome bryozoan Chiastosella in the Southern Ocean, past and present. Polar biology, 37(6), 773-779.

Ragazzola, F., Foster, L. C., Form, A. U., Büscher, J., Hansteen, T. H., & Fietzke, J. (2013). Phenotypic plasticity of coralline algae in a High CO2 world. Ecology and evolution, 3(10), 3436-3446.

Ragazzola, F., Foster, L. C., Form, A., Anderson, P. S., Hansteen, T. H., & Fietzke, J. (2012). Ocean acidification weakens the structural integrity of coralline algae. Global change biology, 18(9), 2804-2812.