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Marine Biology
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Short presentation

I am a passionate marine scientist interested in organismal physiology under environmental changes. My current research interests focus on studying the health status of corals and their metabolic performance to predict future conditions and prioritize conservation efforts. I have expertise in using novel technologies to explore organismal ecophysiology *in situ* and in the laboratory, with the ambition to include multidisciplinary aspects in international networks of marine scientists.

Qualifications

Biomedical Sciences, PhD, City University of Hong Kong
Award Date: 16 Feb 2021

Marine Biology, MSc, University of Bologna
Award Date: 12 Dec 2012

Biological Sciences, BSc, Università degli Studi di Trieste
Award Date: 7 Oct 2010

Employment

Postdoc

Marine Biology

Helsingør, Denmark

31 Dec 2022 → nu

Research outputs

A short review on the recent method development for extraction and identification of microplastics in mussels and fish, two major groups of seafood

Dellisanti, Walter, Leung, M. M. L., Lam, K. W. K., Wang, Y., Hu, M., Lo, H. S. & Fang, J. K. H., 2023, In: Marine Pollution Bulletin. 186, 12 p., 114221.

Seasonal drivers of productivity and calcification in the coral *Platygyra carnosa* in a subtropical reef

Dellisanti, Walter, Chung, J. T. H., Yiu, S. K. F., Tsang, R. H. L., Ang, P., Yeung, Y. H., Qiu, J. W., McIlroy, S. E., Wells, M. L., Wu, J. & Chan, L. L., 2023, In: Frontiers in Marine Science. 10, 12 p., 994591.

Nutrition of Corals and Their Trophic Plasticity under Future Environmental Conditions

Dellisanti, Walter, Seveso, D. & Fang, J. K., 2022, *Corals - Habitat Formers From the Shallow to the Deep*. InTechOpen

Using Margalef's vision to understand the current aquatic microbial ecology

Borrero-Santiago, A. R., Dellisanti, Walter, Sánchez-Quinto, A., Moreno-Andrés, J., Nemoj, P., Kumari, R., Valdespino-Castillo, P. M., Diaz-de-Quijano, D., Jiménez-Ontiveros, V. L., Fontana, S., Giner, C. R., Sanz-Sáez, I. & Mestre, M., 2022, In: Scientia Marina. 86, 1, 9 p., e026.

Characterizing the host coral proteome of *Platygyra carnosa* using suspension trapping (S-trap)

Ma, H., Liao, H., Dellisanti, Walter, Sun, Y., Chan, L. L. & Zhang, L., 2021, In: Journal of Proteome Research. 20, 3, p. 1783-1791 9 p.

Cruise Report EUROFLEETS2 ESAW-2 'Evolution and spreading of the Southern Adriatic Waters'(ESAW) ESAW-2
Kovacevic, V., Bensi, M., Giani, M., Dellisanti, Walter, Urbini, L., Pacciaroni, M., Muslim, S., Mihanovic, H., Pavlovic, M. & Karthausser, C., 2021, *Relazione Interna OGS 2021/50 OCE 21*.

Experimental techniques to assess coral physiology *in situ* under global and local stressors: Current approaches and novel insights

Dellisanti, Walter, Chung, J. T., Chow, C. F., Wu, J., Wells, M. L. & Chan, L. L., 2021, In: *Frontiers in Physiology*. 12, 17 p., 656562.

Hong Kong's subtropical scleractinian coral communities: Baseline, environmental drivers and management implications [Inkl. Corrigendum]

Yeung, Y. H., Xie, J. Y., Kwok, C. K., Kei, K., Ang Jr, P., Chan, L. L., Dellisanti, Walter, Cheang, C. C., Chow, W. K. & Qiu, J., 2021, In: *Marine Pollution Bulletin*. 167, 12 p., 112289.

A diver-portable respirometry system for *in-situ* short-term measurements of coral metabolic health and rates of calcification

Dellisanti, Walter, Tsang, R. H. L., Ang Jr, P., Wu, J., Wells, M. L. & Chan, L. L., 2020, In: *Frontiers in Marine Science*. 7, 19 p., 571451.

Metabolic performance and thermal and salinity tolerance of the coral *Platygyra carmosa* in Hong Kong waters

Dellisanti, Walter, Tsang, R. H., Ang Jr, P., Wu, J., Wells, M. L. & Chan, L. L., 2020, In: *Marine Pollution Bulletin*. 153, 9 p., 111005.

The Health Status of Hong Kong Coral *Platygyra Carnosa* and the In-situ Observations of Its Metabolic Performance

Dellisanti, Walter, 2020

The short-term plasticity of Hong Kong's *Platygyra* sp. corals: insight on coral in-situ metabolism and ex-situ manipulations

Dellisanti, Walter, Tsang, R. H., Ang Jr, P., Wu, J. & Chan, L. L., 2019, *4th Xiamen Symposium on Marine Environmental Sciences (XMAS-IV): The Changing Ocean Environment: From a Multidisciplinary Perspective*.

Advances in coral in-situ metabolism of Hong Kong coral communities

Dellisanti, Walter, Wu, J. & Chan, L., 2018, *4th Asia Pacific Coral Reef Symposium (APCRS 2018): Coral Reefs of the Asia-Pacific: Working together amidst contemporary challenges*.

Distribution patterns of organic pollutants and microbial processes in marine sediments across a gradient of anthropogenic impact

Zoppini, A., Ademollo, N., Patrolecco, L., Langone, L., Lungarini, S., Dellisanti, Walter & Amalfitano, S., 2018, In: *Environmental Pollution*. 242, p. 1860-1870 11 p.

First mesocosm experiments to study the impacts of ocean acidification on plankton communities in the NW Mediterranean Sea (MedSeA project)

Gazeau, F., Sallon, A., Maugendre, L., Louis, J., Dellisanti, Walter, Gaubert, M., Lejeune, P., Gobert, S., Borges, A., Harlay, J., Champenois, W., Alliouane, S., Taillandier, V., Louis, F., Obolensky, G., Grisoni, J. & Guieu, C., 2017, In: *Estuarine, Coastal and Shelf Science*. 186, p. 11-29 19 p.

No detectable effect of ocean acidification on plankton metabolism in the NW oligotrophic Mediterranean Sea: Results from two mesocosm studies

Maugendre, L., Gattuso, J., Poulton, A., Dellisanti, Walter, Gaubert, M., Guieu, C. & Gazeau, F., 2017, In: *Estuarine, Coastal and Shelf Science*. 186, p. 89-99 11 p.

Linking the microbial community processes to the contamination by priority organic substances: in situ observations on coastal sediments of the Adriatic Sea (Italy)

Zoppini, A., Ademollo, N., Amalfitano, S., Dellisanti, Walter, Lungarini, S., Miserocchi, S., Patrolecco, L. & Langone, L., 2015, *Proceedings PERSEUS Scientific Conference "Integrated Marine Research in the Mediterranean and the Black Sea". Brussels*. p. 7-9 3 p.

Microbial processes and organic priority substances in marine coastal sediments (Adriatic Sea, Italy)

Zoppini, A., Ademollo, N., Amalfitano, S., Dellisanti, Walter, Lungarini, S., Miserocchi, S., Patrolecco, L. & Langone, L., 2015, *EGU General Assembly Conference Abstracts*. p. 10443 1 p.

Changes in the microbial community based on seawater pH variations

Dellisanti, Walter, 2012