

## **Angelo Del Mondo**



Born in Naples (Italy) on 29/05/1989

Tel.: +39 081 583 32 61

e-mail: angelo.delmondo@szn.it

Skype: anghelos89

**Current Position:** Post-doc (01/08/2019 to 31/07/2022)

### **Current Affiliation:**

Marine Biotechnology Department

### **Education/Training/Experience**

Institute and Location	Degree / Function	Year	Field of Study
University of Naples "Federico II", Naples, Italy	Bachelor of Science	2007-2012	Biology
University of Naples "Federico II", Naples, Italy	Master of Science	2012-2014	Molecular biology
Department of Biology, University of Naples "Federico II", Naples, Italy	Ph.D.	2014-2018	Subaerial biofilms and phototrophic communities composition and phylogeny
Stazione Zoologica Anton Dohrn, Napoli, Italy	Post-doc	2019 - ongoing	Polyphenols from marine microalgae

## **Appointments and awards**

2019: Winner of the “EdiSES Award 2018” for doctoral thesis.

## **Other matters relevant to scientific career**

Student member of the **SBI, Società Botanica Italiana** onlus;

Ordinary member of the **Società dei Naturalisti in Napoli**, a scientific association founded in 1881.

---

## **Publications**

Author of 20 publications on ISI-journals

### ***List of publications of the last 10 years***

Petraretti, M., Mormile, N., Del Mondo, A. (2021). Data set: autotrophic growth rates of *Galdieria sulphuraria* (Galdieri) Merola strains isolated from Italian acidic sites. Bulletin of Regional Natural History (BORNH), 1(4), 1-21. doi:10.6093/2724-4393/8476.

Zuccaro, G., Del Mondo, A., Pinto, G., Pollio, A., De Natale, A. (2021). Biorefinery-Based Approach to Exploit Mixed Cultures of *Lipomyces starkeyi* and *Chloroidium saccharophilum* for Single Cell Oil Production. *Energies*, 14(5), 1340. doi:10.3390/en14051340.

Petraretti, M., Duffy, K. J., Del Mondo, A., Pollio, A., De Natale, A. (2021). Community Composition and Ex Situ Cultivation of Fungi Associated with UNESCO Heritage Monuments in the Bay of Naples. *Applied Sciences*, 11(10), 4327. doi:10.3390/app11104327.

Del Mondo, A., Smerilli, A., Ambrosino, L., Albini, A., Noonan, D. M., Sansone, C., Brunet, C. (2021). Insights into phenolic compounds from microalgae: structural variety and complex beneficial activities from health to nutraceutics. *Critical Reviews in Biotechnology*, 41(2), 155–171. doi:10.1080/07388551.2021.1874284.

Sañé, E., Del Mondo, A., Ambrosino, L., Smerilli, A., Sansone, C., Brunet, C. (2021). The Recent Advanced in Microalgal Phytosterols: Bioactive Ingredients Along With Human-Health Driven Potential Applications. *Food Reviews International*, 1–20. doi:10.1080/87559129.2021.1938115.

Pistelli, L.\$, Del Mondo, A.\$, Smerilli, A., Corato, F., Piscitelli, C., Pellone, P., Carbone, D.A., Sansone, C., Brunet, C. (2021). Microalgal Co-Cultivation Prospecting to Modulate Vitamin and Bioactive Compounds Production. *Antioxidants* 10(9), 1360. doi:10.3390/antiox10091360.

- Del Mondo, A.\*, Zuccaro, G., Petraretti, M., Pollio, A., De Natale, A. (2021). Water absorption coefficient drives *Nostoc* sp. colonization on mineral substrates. *International Biodeterioration & Biodegradation*, 164, 105291. doi:10.1016/j.ibiod.2021.105291.
- De Natale, A., Mele, B. H., Cennamo, P., Del Mondo, A., Petraretti, M., Pollio, A. (2020). Microbial biofilm community structure and composition on the lithic substrates of Herculaneum Suburban Baths. *PLOS ONE*, 15(5), doi:10.1371/journal.pone.0232512.
- Moreno Osorio, J. H., De Natale, A., Del Mondo, A., Frunzo, L., Lens, P. N. L., Esposito, G., Pollio, A. (2020). Early colonization stages of fabric carriers by two Chlorella strains. *Journal of Applied Phycology*. doi:10.1007/s10811-020-02244-8.
- Del Mondo, A., Smerilli, A., Sané, E., Sansone, C., Brunet, C. (2020). Challenging microalgal vitamins for human health. *Microbial Cell Factories*, 19(1). doi:10.1186/s12934-020-01459-1.
- Del Mondo, A., Iovinella, M., Petriccione, M., Nunziata, A., Davis, S., Cioppa, D., Ciniglia, C. (2019). A Spotlight on Rad52 in Cyanidiophytina (Rhodophyta): A Relic in Algal Heritage. *Plants*, 8(2), 46. doi:10.3390/plants8020046.
- Castaldo, I., De Rosa, M., Romano, A., Zuchegna, C., Squitieri, F., Mechelli, R., Peluso, S., Borrelli, C., Del Mondo, A., Salvatore, E., Vescovi, L.A., Migliore, S., De Michele, G., Ristori, G., Romano, S., Avvedimento, E.A., Porcellini, A. (2018). DNA damage signatures in peripheral blood cells (PBMC) as biomarkers in prodromal Huntington's disease. *Annals of Neurology*, 85(2):296-301. doi:10.1002/ana.25393
- Del Mondo, A.\*, de Natale, A., Pinto, G., & Pollio, A. (2019). Correction to: Novel qPCR probe systems for the characterization of subaerial biofilms on stone monuments. *Annals of Microbiology*, 69(10), 1097-1106. doi:10.1007/s13213-019-01480-9
- Moreno Osorio, J. H., Del Mondo, A., Pinto, G., Pollio, A., Frunzo, L., Lens, P. N. L., Esposito, G. (2019). Nutrient removal efficiency of green algal strains at high phosphate concentrations. *Water Science and Technology*, 80(10). doi:10.2166/wst.2019.431.
- Del Mondo, A.\*, Pinto, G., Carbone, D. A., Pollio, A., De Natale, A. (2018). Biofilm architecture on different substrates of an *Oculatella subterranea* (Cyanobacteria) strain isolated from Pompeii archaeological site (Italy). *Environmental Science and Pollution Research*. doi:10.1007/s11356-018-2643-5.
- D'Elia, L., Del Mondo, A.\*, Santoro, M., De Natale, A., Pinto, G., Pollio, A. (2018). Microorganisms from harsh and extreme environments: a collection of living strains at ACUF (Naples, Italy). *Ecological Questions* 29 (2018) 3,63–74. doi: <http://dx.doi.org/10.12775/EQ.2018.023>.

- Moreno Osorio, J. H., Luongo, V., Del Mondo, A., Pinto, G., Pollio, A., Frunzo, L., Lens, P.N.L., Esposito, G. (2018). Nutrient removal from high strength nitrate containing industrial wastewater using *Chlorella* sp. strain ACUF\_802. *Annals of Microbiology*. doi:10.1007/s13213-018-1400-9
- Romano, C., Morena, E., Castaldo, I., Migliore, S., Borrelli, C., Peluso, S., Salvatore, S., Del Mondo, A., De Michele, G., Squitieri, F., Ristori, G., Avvedimento, E.V., Porcellini, A., Romano, S. (2018). D12 DNA damage signatures in peripheral lymphocytes as biomarkers in prodromal huntington disease. *Journal of Neurology, Neurosurgery & Psychiatry*, 89,A35. doi:10.1136/jnnp-2018-EHDN.94.
- Del Mondo, A.\* , Pinto, G., De Natale, A., Pollio, A. (2017). In vitro colonization experiments for the assessment of mycelial growth on a tuff substratum by a *Fusarium solani* strain isolated from the Oplontis (Naples, Italy) archaeological site. *International Journal of Conservation Science*, 8(4),651-662.
- Ferraldeschi, M., Romano, S., Del Mondo, A., Monaco, A., Spadaro, M., Frontali, M., Ristori, G., Porcellini, A. (2016). D6 Dna damage in lymphocytes as a predictor of illness evolution in pre-manifest and overt huntington's disease. *Journal of Neurology, Neurosurgery & Psychiatry*, 87,A35.3–A36. doi:10.1136/jnnp-2016-314597.105