



University of Genova

Department of Earth, Environmental  
and Life Sciences

Doctorate Course in Earth and  
Environmental Science and  
Technology

Università degli Studi di Genova



Dottorato in Scienze e Tecnologie  
per l'Ambiente e il Territorio

## Curriculum in biology applied to agriculture and the environment

### Research Theme n. 6

Titolo (Italiano): Valutazione della sicurezza per organismi acquatici e/o terrestri di filtri solari UV presenti in prodotti cosmetici Title (inglese): Safety assessment for aquatic and/or terrestrial organisms of sunscreen UV filters in cosmetic products
Tutor Elena Grasselli <a href="mailto:elena.grasselli@unige.it">elena.grasselli@unige.it</a> co-tutor: Matteo Zanotti Russo <a href="mailto:info@angelconsulting.eu">info@angelconsulting.eu</a>
Program description including the formation program abroad (Inglese) This program is aimed at evaluating the impact of several cosmetic ingredients, belonging to benzophenone class (widely used as UV filters) in terms of safety and well-being of aquatic and terrestrial wildlife. Moreover, safety in the humans in terms of skin percutaneous permeation will be evaluated by using 3D human skin reconstructed models. Taking into account brand new of safe and sustainable compounds to serve as UV filters will be also a mandatory activity. Results will be evaluated in the framework of the most recent EU regulations concerning endocrine disrupting properties of compounds in cosmetic products.
Financial support <b>project H2020 acronym EcoeFISHent</b>
Tutor's publications (max 3) <ol style="list-style-type: none"><li>1. Peptides for skin protection and healing in amphibians. Demori I, Rashed ZE, Corradino V, Catalano A, Rovegno L, Queirolo L, Salvidio S, Biggi E, Zanotti-Russo M, Canesi L, Catenazzi A, <b>Grasselli E</b>, Molecules, 2019, 24(2), 347</li><li>2. Synthesis, Photoisomerization, Antioxidant Activity, and Lipid-Lowering Effect of Ferulic Acid and Feruloyl Amides. Lambruschini C, Demori I, El Rashed Z, Rovegno L, Canessa E, Cortese K, <b>Grasselli E*</b>, Moni L*. Molecules (Basel, Switzerland), 2020, 26(1) (*equal contribution)</li><li>3. Direct effects of Bisphenol A on lipid homeostasis in rat hepatoma cells. <b>Grasselli E</b>, Cortese K, Voci A, Vergani L, Fabbri R, Barmo C, Gallo G, Canesi L. Chemosphere, 2013, 91(8), pp. 1123–1129</li></ol>