Tools And Strategies to access original bioactive compounds from Cultivation of MARine invertebrates and associated symbionts

TASCMAR project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 634674.
More than 70 researchers 13 Partners 8 countries 6.7 M€ 4 years 2015/2019

TASCMAR, a response to European and global challenges

TASCMAR project is responding to a key challenge set by the EU ‘Blue Growth’ strategy: the sustainable exploitation of marine compounds. TASCMAR is also addressing a public health priority in Europe and worldwide: disorders and diseases related to ageing.

TASCMAR, exploring under exploited ecological areas

TASCMAR is undertaking to explore marine ecosystems that remain highly under-exploited to this day, specifically the ocean’s mesophotic zone. Mesophotic Coral Ecosystems (MCEs) are located at depths that are difficult to access, which have special physicochemical conditions and biodiversity.

TASCMAR, sustainable and eco-friendly exploitation of resources

In order to ensure a sustainable supply of biomass and to enable the large-scale production of bioactive marine molecules, TASCMAR will develop innovative technologies for the cultivation of marine invertebrates (sponges, corals, echinoderms...) and their associated microorganisms. Emphasis will be placed on the use and development of eco-compatible technologies for the extraction and production of natural products with active anti-ageing properties.

TASCMAR, complementary skills and an international network

Thirteen partners from eight countries are combining their efforts, bringing together complementary skills and giving the project an international profile. TASCMAR involves:

Five academic institutions: University of Athens (Greece), Tel Aviv University (Israel), University of Reunion Island (France), Chulalongkorn University (Thailand)
Six industrial partners: CRELUX GmbH (Germany), BiCT srl (Italy), Pierre Guerin Technologies (France), iMare Natural S.L. (Spain), ASTAREAL AB (Sweden) and APIVITA (Greece)
One consulting company: T6 Ecosystems srl (Italy)
One NGO: EcoOcean (Israel)

TASCMAR: an industry-driven project

TASCMAR will realise a global industrial valorisation scheme that includes all of the organisms, microorganisms, molecules and enzymes used and discovered in the project. The products developed will be evaluated in several industrial sectors for pharmaceutical, cosmetic and nutraceutical applications. The project also involves the development of microorganisms and enzymes that can be used for biocatalysis and bioremediation.