

A resilience population of *Laminaria ochroleuca* in the Strait of Messina (Scylla –Reggio Calabria, Italy)

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The kelp forest and bed of *Laminaria ochroleuca* were found in October 2023 in Porticello (Scylla – Reggio Calabria, Italy) in a bathymetric range of 48 to 55m but they appear to extend to greater depths (1). The discovery of the forest and bed of *L. ochroleuca* in Porticello (Scylla), besides being an extraordinary discovery for the Calabrian side of the Strait of Messina, represents the confirmation of the permanence of this forest and bed for more than 50 years. Samples of *L. ochroleuca* with stipitate and prostrate habits were collected for future genetic and sedimentological analyses and identification of associated fauna and flora. The aim of the upcoming research campaigns is to update the current knowledge of *Laminaria* forests in the Messina Strait, estimating the action and consequences of climate change at the local level. The project will involve the community of technical divers in long term monitoring (3–5 years), in order to measure ecosystem services. The information will be used to draft a policy document for the proposal of protected areas of the most extensive forests.

(1) Giaccone, T., Ragazzola, F., Barone, P., Condemi, C. & Mannino, A.M. 2024. The flourishing of *Laminaria ochroleuca* in the strait of Messina (Sicily, Italy): resilience population between "Scylla and Charybdis". *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*, DOI: 10.1080/11263504.2024.2326826

INSTRUCTIONS FOR PREPARING ABSTRACTS

The text of the abstract (excluding authors, affiliations, and title) should have a maximum length of 250 words; the title should not exceed 25 words. The first name, surname, affiliation of all authors and the e-mail address only for the author submitting the abstract (corresponding author) and presenting the contribution must be indicated. The text must be written in Times New Roman font size 12, single spacing. A maximum of 1 bibliographical reference may be included.

The word format file should be renamed as follows:

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The focuses are as follows:

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