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AB THEME SECTION 4

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Primary production in seagrasses and macroalgae



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Measurement of seagrass photosynthesis at 45 m depth using an underwater PAM fluorometer.

Photo: Cameron Veal and Yoni Sharon

THEME SECTIONS of Aquatic Biology (AB) present integrated multi-author syntheses initiated and coordinated by acknowledged experts. They highlight cutting-edge research areas or problems and/or bring together cogent bodies of literature on all aspects of the biology of organisms in freshwater and marine habitats.

*AB Theme Section 4 is based on presentations and experiments from the 8th International Workshop of the Group for Aquatic Primary Productivity (GAP). Workshop participants conducted joint field and laboratory experiments for assessing the effects of environmental factors on photosynthesis and primary production in the seagrass *Halophila stipulacea* as well as the green macroalga *Ulva lactuca* and other marine macroalgae.*

The contributions to AB Theme Section 4 provide an overview of available and emergent state-of-the-art equipment and methodology, and examples of its application in field and laboratory experiments, and thus represent an important stepping stone towards the assessment of the effects of global change on primary production of seagrasses and macroalgae.

This AB Theme Section is published in parallel to a Special on primary production in microorganisms in [Aquatic Microbial Ecology, Volume 56 \(Nos. 2 and 3\)](#).

As with all current AB articles, we are pleased to make the online version of AB Theme Section 4 available with Open Access.

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