

1. Record Nr.	UNINA9910464662303321
Autore	Beer Sven <1949->
Titolo	Photosynthesis in the marine environment / / Sven Beer, Mats Bjork, and John Beardall ; cover design by Steve Thompson
Pubbl/distr/stampa	Ames, Iowa : , : Wiley-Blackwell, , 2014 ©2014
ISBN	1-118-80344-2
Descrizione fisica	1 online resource (224 p.)
Disciplina	581.7/6
Soggetti	Photosynthesis Plants - Effect of underwater light on Aquatic plants - Ecophysiology Underwater light Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Free companion website"--Cover.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Photosynthesis in the Marine Environment; Photosynthesis in the Marine Environment; Contents; About the authors; Contributing authors; Preface; About the companion website; Part I Plants and the Oceans; Introduction; Chapter 1 The evolution of photosynthetic organisms in the oceans; Chapter 2 The different groups of marine plants; 2.1 Cyanobacteria; 2.2 Eukaryotic microalgae; 2.3 Photosymbionts; 2.4 Macroalgae; 2.4.1 The green algae; 2.4.2 The brown algae; 2.4.3 The red algae; 2.5 Seagrasses; Chapter 3 Seawater as a medium for photosynthesis and plant growth; 3.1 Light; 3.2 Inorganic carbon 3.2.1 pH3.3 Other abiotic factors; 3.3.1 Salinity; 3.3.2 Nutrients; 3.3.3 Temperature; 3.3.4 Water velocities; Summary notes of Part I; Part II Mechanisms of Photosynthesis, and Carbon Acquisition in Marine Plants; Introduction to Part II; Chapter 4 Harvesting of light in marine plants: The photosynthetic pigments; 4.1 Chlorophylls; 4.2 Carotenoids; 4.3 Phycobilins; Chapter 5 Light reactions; 5.1 Photochemistry: excitation, de-excitation, energy transfer and primary electron transfer; 5.2 Electron transport; 5.3 ATP formation; 5.4

## Alternative pathways of electron flow

Chapter 6 Photosynthetic CO<sub>2</sub>-fixation and -reduction  
6.1 The Calvin Cycle; 6.2 CO<sub>2</sub>-concentrating mechanisms; Chapter 7 Acquisition of carbon in marine plants; 7.1 Cyanobacteria and microalgae; 7.1.1 Cyanobacteria; 7.1.2 Eukaryotic microalgae; 7.2 Photosymbionts; 7.3 Macroalgae; 7.3.1 Use of HCO<sub>3</sub><sup>-</sup>; 7.3.2 Mechanisms of HCO<sub>3</sub><sup>-</sup> use; 7.3.3 Rubisco and macroalgal photosynthesis: The need for a CO<sub>2</sub> concentrating mechanism; 7.4 Seagrasses; 7.4.1 Use of HCO<sub>3</sub><sup>-</sup>; 7.4.2 Mechanisms of HCO<sub>3</sub><sup>-</sup> use; 7.5 Calcification and photosynthesis; Summary notes of Part II

Chapter 9 Photosynthetic responses, acclimations and adaptations to light  
9.1 Responses of high and low-light plants to irradiance; 9.2 Light responses of cyanobacteria and microalgae; 9.3 Light effects on photosymbionts; 9.4 Adaptations of Carbon acquisition mechanisms to light; 9.5 Acclimations of seagrasses to high and low irradiances; Chapter 10 Photosynthetic acclimations and adaptations to stress in the intertidal; 10.1 Adaptations of macrophytes to desiccation; 10.1.1 The ever-tolerant *Ulva*; 10.1.2 The intertidal *Fucus*; 10.1.3 The extremely tolerant *Porphyra*  
10.1.4 Acclimations of seagrasses to desiccation (or not)

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### Sommario/riassunto

""Marine photosynthesis provides for at least half of the primary production worldwide..."" Photosynthesis in the Marine Environment constitutes a comprehensive explanation of photosynthetic processes as related to the special environment in which marine plants live. The first part of the book introduces the different photosynthesising organisms of the various marine habitats: the phytoplankton (both cyanobacteria and eukaryotes) in open waters, and macroalgae, marine angiosperms and photosymbiont-containing invertebrates in those benthic environments where there is enough light f

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2. Record Nr.	UNINA9910787588603321
Autore	Erickson John <1929, >
Titolo	The Soviet high command : a military-political history, 1918-1941 // John Erickson
Pubbl/distr/stampa	London ; ; Portland, Or. : , : Frank Cass, , 2001
ISBN	1-136-33959-0 0-203-04563-7 1-136-33952-3
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (913 p.)
Collana	Cass series on Soviet (Russian) military institutions, , 1462-1835 ; ; 3
Disciplina	355/.00947
Soggetti	Soviet Union Military policy Soviet Union History, Military
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Originally published: Westview Press, 1984. With new introduction.
Nota di bibliografia	Includes bibliographical references (p. 809-834) and indexes.
Nota di contenuto	pt. 1. The revolutionary military command, 1918-1920 -- pt. 2. Military debates and political derisions, 1921-1926 -- pt. 3. Foreign adventures and strategic priorities -- pt. 4. The politics of mechanisation -- pt. 5. The military purge and the reconstruction of the command -- pt. 6. The beginning of the ordeal, 1941.
Sommario/riassunto	An objective and documentary history of the earliest origins and formative years of the Workers-Peasants Red Army from the Civil War to the initial disasters of the war with Germany, the Great Patriotic War, culminating in the ""battle for Moscow"" in November-December 1941.