

1. Record Nr.	UNINA9911020153903321
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Titolo	Diatom Photosynthesis : From Primary Production to High-Value Molecules
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2024 ©2024
ISBN	9781119842156 1119842158 9781119842149 111984214X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (652 pages)
Collana	Diatoms: Biology and Applications Series
Altri autori (Persone)	SerodioJoão LavaudJohann
Disciplina	579.85
Soggetti	Diatoms Algae
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Sommario/riassunto

This book offers a comprehensive exploration of diatoms, a group of single-celled algae with silica shells, crucial for oxygen production and aquatic food chains. Edited by Johannes W. Goessling, João Serôdio, and Johann Lavaud, it delves into diatom biology and their applications in biofuel, solar energy, and ecological indicators. The work highlights the significant progress in diatom research, with the literature doubling every decade. It aims to provide a reliable resource for advancing knowledge on diatoms, serving researchers and students in biology and environmental sciences. The book also honors Mark Hildebrand, a notable figure in diatom molecular biology.
