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ISBN	3-11-022961-7
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Collana	Marine and Freshwater Botany Marine and freshwater botany
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Altri autori (Persone)	HeimannKirsten KatsarosChristos
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Programmed cell death in multicellular algae / David J. Garbary. -- Gene transfer and algal cell evolution / John Archibald -- Phaeodactylum tricornutum polymorphism : an overview / Veronique Martin-Jezequel -- Cytological and cytochemical aspects in selected carrageenophytes (Gigartinales:Rhodophyta) / Leonel Pereira -- Evolution of vacuolar targeting in algae / Burkhard Becker --

Contractile vacuoles in green algae : structure and function / Karin Buchmann -- Membraneous cytokinesis of brown algae / Christos Katsaros -- Development of antheridial filaments and spermatozoid release in *Chara contraria* / Qiaojun Jin -- Dinoflagellate bioluminescence : a key concept for studying organelle movement / Kirsten Heimann -- Algal cell biology : an important tool to understand metal and herbicide toxicity / Kirsten Heimann.

Sommario/riassunto

Molecular research on algae over the last decades has provided significant insights into universal biological mechanisms. This knowledge has proved essential to the field of biotechnology where research on new applications in food culture, biofuel and pharmaceuticals is underway. This new book on algal cell biology provides an overview of cutting-edge research with a focus on cytoskeleton structure/function and cytokinesis of algae.
