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Titolo	Sustainable seaweed technologies : cultivation, biorefinery, and applications / / edited by Maria Dolores Torres, Stefan Kraan, Herminia Dominguez
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ISBN	9780128179437 0128179430
Descrizione fisica	1 online resource (xviii, 731 pages) : illustrations (some color)
Collana	Advances in green and sustainable chemistry
Soggetti	Marine natural products Marine algae Marine algae as food Marine algae - Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Sustainable Seaweed Technologies: Cultivation, Biorefinery, and Applications collates key background information on efficient cultivation and biorefinery of seaweeds, combining underlying chemistry and methodology with industry experience. Beginning with a review of the opportunities for seaweed biorefinery and the varied components and properties of macroalgae, the book then reviews all the key steps needed for industrial applications, from its cultivation, collection and processing, to extraction techniques, concentration and purification. A range of important applications are then discussed, including the production of energy and novel materials from seaweed, before a set of illustrative case studies shows how these various stages work in practice. Drawing on the expert knowledge of a global team of editors and authors, this book is a practical resource for both researchers and businesses who currently work with macroalgae.