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Titolo	Microalgae Biotechnology for Wastewater Treatment, Resource Recovery and Biofuels : Towards Sustainable Biorefinery / / by Monika Prakash Rai, Shrasti Vasistha
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Descrizione fisica	1 online resource (123 pages)
Altri autori (Persone)	VasisthaShrasti
Disciplina	660.6
Soggetti	Refuse and refuse disposal Ecology Freshwater ecology Marine ecology Bioremediation Plant biotechnology Waste Management/Waste Technology Environmental Sciences Freshwater and Marine Ecology Environmental Biotechnology Plant Biotechnology
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Sommario/riassunto	This book is designed with the objective of studying microalgae and its application in the widest sense. Microalgae offer various inherent advantages as they are capable of accumulating lipids (20–70%), and able to aid with the production of pigments, carbohydrates, and proteins. The book comprehensively covers microalgae isolation techniques, their cultivation, and wastewater treatment by microalgae as well as the impact on biomass, lipid extraction, biofuel, and utilization of residual biomass focusing on biorefinery approach. The

volume discusses the conversion of defatted oiled microalgae biomass for different applications. Acknowledging these challenges, this book discusses the limitations, outcomes, and economic aspects.

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