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Altri autori (Persone)	MalikSana MusharrafSyed Ghulam BoopathyRamaraj
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Soggetti	Industrial microbiology Environmental engineering Biotechnology Bioremediation Biochemistry Metabolism Cell biology Enzymology Industrial Microbiology Environmental Engineering/Biotechnology Metabolic Pathways
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Nota di contenuto	Introduction of the genome biology of cyanobacteria -- Cyanobacterial species of industrial, environmental, and food importance -- Cyanobacterial metabolic pathways of industrial interests -- Metabolic pathway engineering in cyanobacteria for biohydrogen production -- Metabolic pathway engineering in cyanobacteria for environmental applications -- Microalgae and cyanobacteria-derived food and feed products -- Microalgae and cyanobacteria for resource conservation, recycling, and preservation -- Cyanobacteria-based carbon capture and

storage -- Cyanobacterial biomass as a feedstock for biochemicals -- Bioprocessing of the wastewater-grown cyanobacterial biomass to non-food bioproducts -- Bioprocessing of the wastewater-grown cyanobacterial biomass to biofertilizers -- Cyanobacteria for the global space biology program; challenges and opportunities.

Sommario/riassunto

“Dive into a Sustainable Future with Cyanobacteria Biotechnology” Explore the boundless potential of cyanobacteria in “Emerging Trends in Cyanobacteria Biotechnology”. This comprehensive volume, curated by leading experts, showcases cutting-edge research and practical applications across environmental sustainability, human health, and beyond. It will be the book of your choice to discover innovative methodologies and breakthroughs in carbon capture, bioprocessing, and metabolic engineering, illuminating cyanobacteria's pivotal role in shaping a sustainable future. Whether a researcher, student, entrepreneur, or industry professional, this book is your gateway to interdisciplinary collaboration and ground-breaking innovation. Join us on a journey to harness the power of cyanobacteria—let's build a healthier, more sustainable world together. Your next big idea starts here!
