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Autore	Darvill Timothy
Titolo	Archaeology in the ppg16 era : investigations in England 1990-2010 / / Timothy Darvill, Kerry Barrass, Vanessa Constant
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ISBN	1-78925-111-7 1-78925-109-5
Descrizione fisica	1 online resource (353 pages) : illustrations
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Lingua di pubblicazione	Inglese
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Titolo	Advances in the Domain of Environmental Biotechnology : Microbiological Developments in Industries, Wastewater Treatment and Agriculture / / edited by Naga Raju Maddela, Luz C García Cruzatty, Sagnik Chakraborty
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Nota di contenuto	Part 1 Industrial Biotechnology -- 1 Lactic acid bacteria for production of platform chemicals: A dark horse in the field of industrial biotechnology -- 2 Solid-state fermentation: use of agroindustrial residues -- 3 Microemulsified systems and their environmental advantages for the oil industry -- 4 Microbial Exopolysaccharides as Biosurfactants in Environmental and Industrial Applications -- 5 Biodegradable Polymers for Food Packaging and Active Food Packaging -- Part 2 Environmental Biotechnology -- 6 3D printing technology in the environment -- 7 Biofuel: Marine Biotechnology securing alternative sources of renewable energy -- 8 Modified or functionalized natural bioadsorbents: New perspectives as regards the elimination of environmental pollutants -- 9 Electrochemical biosensing of algal toxins -- 10 Bio-inspired superoleophobic materials for oil-water separation -- 11 Biotechnology applied to treatments of agroindustrial wastes -- 12 Biocoagulants as an alternative for water treatment -- 13 Multicriteria analysis in the selection of agroindustrial waste for the

production of biopolymers -- 14 Mathematical modeling challenges associated with waste anaerobic biodegradability -- 15 Anammox in Wastewater Treatment -- 16 Microbial Bioremediation: A cutting edge technology for xenobiotic removal -- 17 Conventional wastewater treatment processes -- 18 Analytical techniques/technologies for studying ecological microbial samples -- Part 3 Agricultural Biotechnology -- 19 Rhizobium diversity is the key to efficient interplay with Phaseolus vulgaris. Case of study of southern Ecuador -- 20 Algae as Environmental Biotechnological Tool for monitoring health of Aquatic Ecosystem -- 21 Contribution of the environmental biotechnology to the sustainability of the coffee processing industry in developing countries -- 22 Interactions between edaphoclimatic conditions and plant–microbial inoculants and their impacts on plant growth, nutrient uptake, and yields -- 23 Microalgae: cultivation, biotechnological, environmental and agricultural applications -- 24 Marine resources with potential in controlling plant diseases.

Sommario/riassunto

This book complies latest advancement in the field of environmental biotechnology. It focuses on topics that comprises industrial, environment and agricultural related issues to microbiological studies and exhibits correlation between biological world and dependence of humans on it. It is designed into three sections covering the role of environmental biotechnology in industry, environmental remediation, and agriculture. Ranging from micro-scale studies to macro, it covers up a huge domain of environmental biotechnology. Overall the book portrays the importance of modern biotechnology technologies in solving the problems in modern day life. The book is a ready reference for practicing students, researchers of biotechnology, environmental engineering, chemical engineering and other allied fields likewise.