

1. Record Nr.	UNINA9910823408103321
Titolo	Algae [[electronic resource]] : nutrition, pollution control and energy sources // Kristian N. Hagen, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-60876-622-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (337 p.)
Altri autori (Persone)	HagenKristian N
Disciplina	579.8/16
Soggetti	Algae as food Algae - Biotechnology Algae - Control Algae
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Algae: Nutrition, Pollution Control and Energy Sources""; ""Contents""; ""Preface""; ""Research and Review Studies""; ""Microalgae as Photosynthetic Oxygen Generators for Pollution Control, Life Support Systems and Medicine""; ""Abstract""; ""Introduction""; ""Photosynthetic Oxygen and the Evolution of Life""; ""The use of Photosynthetic Oxygenation for Bioremediation Processes""; ""Photosynthetic Oxygenation for Atmosphere Regeneration in an Enclosed Space Ecosystem""; ""Photosynthetic Oxygen Generator for Artificial Organs""; ""Conclusion""; ""Acknowledgement""; ""References""</p> <p>""Polyphosphate Contributes to Cd Tolerance in Chlamydomonas Acidophila KT-1""""Abstract""; ""1. Introduction""; ""2. Material and Methods""; ""3. Results""; ""4. Discussion""; ""References""; ""Study on Lead and Cadmium Absorption by the Organic Components of Natural Biofilms""; ""Abstract""; ""1. Introduction ""; ""2. Experimental Section ""; ""3. Results and Discussion ""; ""4. Conclusion ""; ""Acknowledgments ""; ""References ""; ""Desiccation Tolerance in Green Algae: Implications of Physiological Adaptation and Structural Requirements""; ""Abstract""; ""1. Introduction""</p> <p>""2. Desiccation Tolerant Green Algae""""3. Desiccation as a General Problem""; ""4. Lessons from other Desiccation Tolerant Plants""; ""5. Conclusion""; ""Acknowledgement""; ""References""; ""Utilization of</p>

Algae for Pollution Elimination"; "Abstract"; "1. Introduction"; "2. Behaviour of Algae in the Presence of Inorganic Stressors"; "3. Uptake of Metal Ions from the Environment"; "4. Removal of Inorganic Pollution"; "5. Removal of Organic Pollution"; "6. Treatment of Domestic Wastewater and Nutrient Removal"; "7. Biomonitoring Using Algae"; "8. Conclusion"; "Acknowledgement"; "References"; "Ultrasonic Control and Removal of Cyanobacteria"; "Abstract"; "1. Introduction"; "2. Materials and Methods"; "3. Ultrasonic Algae Control"; "4. Potential Mechanisms"; "5. Ultrasonic Degradation of Algal Toxins"; "Conclusion"; "References"; "Effects of Acidification on Photosynthesis and Growth of Marine Algae: A Reappraisal of the Laboratory Data and Their Applicability to the Natural Habitats"; "Abstract"; "1. Introduction"; "2. Is the CO₂ a Limiting Factor for the Algal Photosynthesis?"; "3. Testing the Effects of the Acidification on Photosynthesis and Growth"; "4. Conclusion"; "Acknowledgments"; "References"; "Sulfated Polysaccharides from Algae: Characteristic Structures and Their Medicinal Applications"; "Abstract"; "Introduction"; "Sulfated Polysaccharides from Blue-Green Algae"; "Sulfated Polysaccharides from Red Algae"; "Sulfated Polysaccharides from Green Algae"; "Biological Activities of Sulfated Polysaccharides from Algae"; "References"; "Seaweeds and Thyroid Gland - Potential Sequelae of Seaweed-Derived Iodine"; "Abstract"; "Introduction";
