



Chlorophyll a fluorescence in aquatic sciences : methods and applications /

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Springer,

2010

Electronic books

Monografía

"Measurements of variable chlorophyll fluorescence have revolutionised global research of photosynthetic bacteria, algae and plants and in turn assessment of the status of aquatic ecosystems, a success that has partly been facilitated by the widespread commercialisation of a suite of chlorophyll fluorometers designed for almost every application in lakes, rivers and oceans. Numerous publications have been produced as researchers and assessors have simultaneously sought to optimise protocols and practices for key organisms or water bodies; however, such parallel efforts have led to difficulties in reconciling processes and patterns across the aquatic sciences. This book follows on from the first international conference on "chlorophyll fluorescence in the aquatic sciences" (AQUAFLUO 2007) : to bridge the gaps between the concept, measurement and application of chlorophyll fluorescence through the synthesis and integration of current knowledge from leading researchers and assessors as well as instrument manufacturers."--Page 4 of cover

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Título: Chlorophyll a fluorescence in aquatic sciences methods and applications David J. Suggett, Ondrej Prásil, Michael A. Borowitzka, editors

Editorial: Dordrecht New York Springer 2010

Descripción física: 1 online resource (xviii, 323 pages) color illustrations

Mención de serie: Developments in applied phycology 4

Documento fuente: Springer eBooks

Bibliografía: Includes bibliographical references and index

Contenido: Chlorophyll a Fluorescence in Aquatic Sciences; Preface; Contents; Contributors; Chapter 1: Chlorophyll Fluorescence Terminology: An Introduction; Chapter 2: In Situ Measurement of Variable Fluorescence Transients; Chapter 3: Overview of Fluorescence Protocols: Theory, Basic Concepts, and Practice; Chapter 4: Fluorescence as a Tool to Understand Changes in Photosynthetic Electron Flow Regulation; Chapter 5:

Microscopic Measurements of the Chlorophyll a Fluorescence Kinetics; Chapter 6: Estimating Aquatic Productivity from Active Fluorescence Measurements

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1071851535 1078001287 1110754690 1112565027 1148075180 1204088392 1205240519

ISBN: 9789048192687 9048192684 9789048192670 9048192676 140204321X hbk.) 9781402043215

Materia: Biofluorescence Chlorophyll Chlorophyll Fluorescence SCIENCE- Environmental Science (see also Chemistry- Environmental) POLITICAL SCIENCE- Public Policy- Environmental Policy Biomédecine Sciences de la vie Biofluorescence Chlorophyll

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Enlace a formato físico adicional: Print version Chlorophyll a Fluorescence in Aquatic Sc. Gardners Books 2010
9789048192670 (DLC) 2010932001 (OCOlc)639193189

Punto acceso adicional serie-Título: Developments in applied phycology 4

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