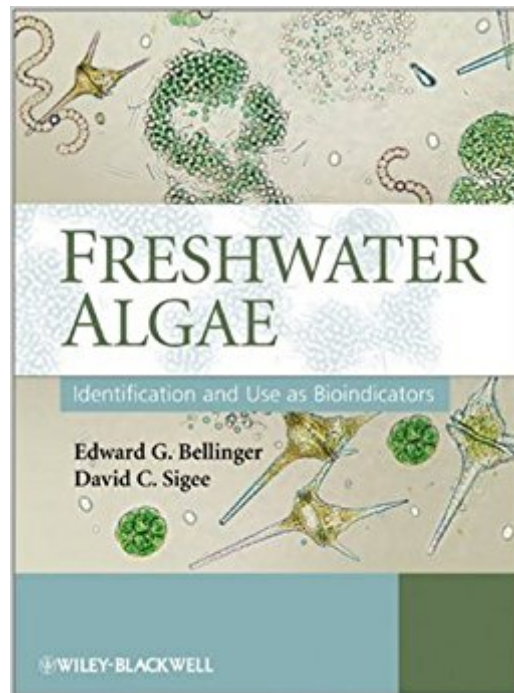


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Freshwater Algae: Identification And Use As Bioindicators



Synopsis

Freshwater Algae: Identification and Use as Bioindicators provides a comprehensive guide to temperate freshwater algae, with additional information on key species in relation to environmental characteristics and implications for aquatic management. The book uniquely combines practical material on techniques and water quality management with basic algal taxonomy and the role of algae as bioindicators. Freshwater Algae: Identification and Use as Bioindicators is divided into two parts. Part I describes techniques for the sampling, measuring and observation of algae and then looks at the role of algae as bioindicators and the implications for aquatic management. Part II provides the identification of major genera and 250 important species. Well illustrated with numerous original illustrations and photographs, this reference work is essential reading for all practitioners and researchers concerned with assessing and managing the aquatic environment.

Book Information

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Customer Reviews

“Nevertheless, I believe the book can be used by many who have an interest in freshwater phycology, including cell biologists, ecologists, evolutionary biologists, environmental conservation specialists, and, last but not least, (advanced) freshwater aquarium enthusiasts who want to learn more about the so-called “good” and “bad” algae in their fish tanks. Bellinger and Sigeo prepared a great book, and I highly recommend it to readers.” (J Appl Phycol, 1 March 2013)

Freshwater Algae provides an accessible and highly practical guide to a range of techniques used in the identification and enumeration of these important microorganisms. The first three chapters explore how to sample, measure and observe algae, before examining their role as bioindicators and application within water quality management, whilst the last chapter provides a key for identifying the principal algal genera with related environmental information on over 250 major species. This book will appeal to practitioners and researchers in addition to providing an invaluable resource for graduate and postgraduate students who are new to the field. Key Features An indispensable resource Freshwater Algae bridges the gap between simple identification guides and highly specialised research volumes, combining practical techniques and their application in water quality management with basic algal taxonomy and the role of algae as bioindicators Broad International appeal Includes examples of algae from North America, Europe and countries within the Southern Hemisphere. Includes a wealth of colour illustrations With numerous original photographs and drawings to assist in the identification of key species.

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