1. Record Nr. UNINA9910132296103321 Autore Bellinger Edward G. Titolo Freshwater algae: identification, enumeration and use as bioindicators // Edward G. Bellinger and David C. Sigee; cover design by Soephian Zainal Pubbl/distr/stampa Chichester, [England]: ,: Wiley-Blackwell, , 2015 ©2015 **ISBN** 1-118-91714-6 1-118-91715-4 1-118-91713-8 Edizione [Second edition.] Descrizione fisica 1 online resource (292 p.) Classificazione SCI070000 Disciplina 579.8/176 Soggetti Freshwater algae Indicators (Biology) **Environmental monitoring** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Freshwater Algae: Contents: Preface to the First Edition: Preface to the Second Edition; Acknowledgements; 1 Introduction to Freshwater Algae; 1.1 General introduction; 1.1.1 Algae - an overview; 1.1.2 Algae as primary producers; 1.1.3 Freshwater environments; 1.1.4 Planktonic and benthic algae; 1.1.5 Size and shape; 1.2 Taxonomic variation - the major groups of algae; 1.2.1 Microscopical appearance; 1.2.2 Biochemistry and cell structure: 1.2.3 Molecular characterisation and identification; 1.3 Blue-green algae; 1.3.1 Cytology; 1.3.2 Morphological and taxonomic diversity; 1.3.3 Ecology 1.3.4 Blue-green algae as bioindicators 1.4 Green algae; 1.4.1 Cytology; 1.4.2 Morphological diversity; 1.4.3 Ecology; 1.4.4 Green algae as bioindicators; 1.5 Euglenoids; 1.5.1 Cytology; 1.5.2 Morphological diversity; 1.5.3 Ecology; 1.5.4 Euglenoids as bioindicators; 1.6 Yellowgreen algae; 1.6.1 Cytology; 1.6.2 Morphological diversity; 1.6.3 Ecology; 1.6.4 Yellow-green algae as bioindicators; 1.7 Dinoflagellates;

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## Sommario/riassunto

This is the second edition of Freshwater Algae, the popular guide to temperate freshwater algae. This book uniquely combines practical information on sampling and experimental techniques with an explanation of basic algal taxonomy plus a key to identify the more frequently occurring organisms. Fully revised, it describes major bioindicator species in relation to key environmental parameters and their implications for aquatic management. This second edition includes the same clear writing style as the first edition to provide an easily accessible source of information on algae within standing