



Phycology (4th Edition)

By Robert Edward Lee

Cambridge University Press, New Delhi, India, 2009. Paperback. Book Condition: New. Fourth Edition. Phycology is the study of algae, the primary photosynthetic organisms in freshwater and marine food chains. As a food source for zooplankton and filter-feeding shellfish, the algae are an extremely important group. Since the publication of the first edition in 1981, this textbook has established itself as a classic resource on phycology. This revised edition maintains the format of previous editions, whilst incorporating the latest information from nucleic acid sequencing studies. Detailed life-history drawings of algae are presented alongside information on the cytology, ecology, biochemistry, and economic importance of selected genera. Phycology is suitable for upper-level undergraduate and graduate students following courses in phycology, limnology or biological oceanography. Emphasis is placed on those algae that are commonly covered in phycology courses, and encountered by students in marine and freshwater habitats. Contents Preface to the first edition Part I: 1. Introduction Introduction Part II. The Prokaryotic Algae: 2. Cyanobacteria Part III. Evolution of the Chloroplast: 3. Glaucophyta and Chloroarchnion 4. Rhodophyta 5. Chlorophyta Part IV. Evolution of One Membrane of Chloroplast Endoplasmic Reticulum: 6. Euglenophyta 7. Dinophyta 8. Apicomplexa Part V. Evolution of Two Membranes of Chloroplast Endoplasmic...



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