



Phycology

By Robert Edward Lee

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Phycology By Robert Edward Lee

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 more recent 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.

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Phycology By Robert Edward Lee Bibliography

- Sales Rank: #1436557 in Books
- Brand: Brand: Cambridge University Press
- Published on: 2008-04-21
- Released on: 2008-03-27
- Original language: English
- Number of items: 1
- Dimensions: 9.72" h x 1.14" w x 6.85" l, 2.70 pounds
- Binding: Paperback
- 560 pages

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Editorial Review

Review

'... an excellent introduction and overview on the different groups of algae, their differences in morphology, physiology, life cycles, ecology and systematics. In addition, it is a valuable reference on the modern concepts in the study of algae. Thus, this book is of great value to students but also to scientists who want to grow and work with algae.' *Journal of Plant Physiology*

'... a welcome addition to the field of phycology and a very readable review of many aspects of this diverse discipline.' *Bulletin of Marine Science*

'I recommend this book as good value for money for marine biologists and ecologists.' *J. A. Raven, Journal of Experimental Marine Biology and Ecology*

'Phycology by Robert Edward Lee is an essential, detailed reference book of the current knowledge of algae. ... Beautifully executed line drawings, graphs and electronmicrographs make the readable text really enjoyable. ... [A] clearly arranged, well-written overview of the world of algae, essential for all phycologists, [and] strongly recommended for teachers and for their undergraduates.' *Acta Botanica Hungarica*

'Lee is one of very few contemporary phycologists who has the time, resources, patience, perseverance and, above all, the necessary breadth of knowledge of all things algal to undertake such a project and, if the number of editions that this Phycology text has seen since 1980 is taken as a performance indicator, he has been quite successful ... This book is an ideal companion to introductory phycology and limnology courses taught at undergraduate level. Because of the wealth of information that it contains it will retain its value as a reference even if a student has opted not to pursue a career in algal research.' *Edinburgh Journal of Botany*

About the Author

Robert Edward Lee was educated at Cornell University (BS, 1960-4) and the University of Massachusetts, Amherst (Ph.D., 1966-71) and served as a Platoon leader in the US Army First Infantry Division (1964-6). He was Lecturer at the University of the Witwatersrand, Johannesburg (1971-7), Associate Professor at Shiraz (Pahlavi) University, Shiraz, Iran (1977-9), Fellow of Schepens Eye Research Institute and Harvard Medical School, Boston (1979-81) and is currently Coordinator of Biomedical Sciences at Colorado State University, a post he has held since 1981.

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