

Algae

Anatomy, Biochemistry, and Biotechnology

An exhaustive review covering all things algae would require an encyclopedic set of some few dozen volumes, each volume far thicker than this text. Even then, such a tome would prove to be of limited value, as in addition to being quite complex, it would soon be outdated, as the field of phycology is full of continual revelations.

Algae: Anatomy, Biochemistry, and Biotechnology offers researchers and students in phycology a more practical and useful approach. Instead of trying to cover everything in these pages, the authors concentrate on highlighting especially interesting and illuminating topics, with the idea of inciting the sort of wonder and curiosity that will encourage further outstanding research.

Its early chapters present an overview of classification, followed by reviews of life cycles, reproductions, and phylogeny, providing a conceptual framework that promotes a deeper understanding of more complex topics. Levels of organization are examined from the subcellular, cellular, and morphological standpoints, leading to discussions involving physiology, biochemistry, culture methods, and finally, the role of algae in human society.

Algae: Anatomy, Biochemistry, and Biotechnology features

- Coverage of freshwater, marine, and terrestrial forms
- Over 200 original drawings and photographs providing detailed renderings of algal apparatus
- Potential biotechnological applications of algae
- Carefully selected references, both recent and classic, that lead researchers directly to the most relevant literature

The authors of this work, two highly respected researchers in the field, provide plenty of examples to demonstrate that the world of algae is still ripe with discovery for those investigators who keep their eyes open and their minds active.



Taylor & Francis

Taylor & Francis Group

A CRC PRESS BOOK

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ISBN 0-8493-1467-4



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