

Journal of Bryology

Edited by H. L. K. Whitehouse
assisted by H. J. B. Birks

The *Journal of Bryology* publishes original articles on all aspects of the study of bryophytes from any part of the world, including their morphology, anatomy, ultra-structure, physiology, taxonomy, cytology, genetics, ecology, geographical distribution, and fossil or subfossil remains. Mosses and liverworts, although of little economic importance, are particularly suitable for the study of some aspects of plants. As they are the simplest green plants with stems and leaves, and can be grown in pure culture or defined media, they are appropriate for studying the physiology and genetics of differentiation. They are also of exceptional interest cytologically, being the group in which heterochromatin was first described. Ecologically, they are of great importance, not only because of the significant, or even dominant, part they play in the flora of many areas, but also because many of them are excellent indicators of the nature of the substratum and of pollution. The *Journal of Bryology* is almost the only publication of its kind in any language devoted wholly to bryophytes, and supersedes the *Transactions of the British Bryological Society*. In addition to the results of original research, the journal will contain bryological notes, book reviews, a bibliography of recent bryological literature, and obituaries of bryologists.

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The Biology of Blue-green Algae

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The volume presents an account of the biochemistry, physiology, morphology and ecology of this major group of prokaryotic organisms. Over twenty chapters, written by research workers active in quite diverse fields, emphasize an inter-disciplinary approach to the subject. Particular attention has been directed to giving a balanced description of structure and physiology. Their important environmental roles, their part in nitrogen fixation and the biochemistry of phototrophic metabolism are some of the attractions of blue-green algae to an increasing number of biologists. This book, extensively illustrated and thoroughly referenced, will provide the source material for students, and experienced as well as new research workers should find it of great value. A series of short appendices summarize details of culture collections, media and some specialized aspects of growing blue-green algae.

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