

Bryophytes, especially mosses, represent a largely untapped resource for monitoring and indicating effects of climate change on the living environment. They are tied very closely to the external environment and have been likened to "canaries in the coal mine." *Bryophyte Ecology and Climate Change* is the first book to bring together a diverse array of research in bryophyte ecology, including physiology, desiccation tolerance, photosynthesis, and temperature and UV responses, under the umbrella of climate change. It covers a great variety of ecosystems in which bryophytes are important, including aquatic, desert, tropical, boreal, alpine, Antarctic, and Sphagnum-dominated wetlands, and considers the effects of climate change on the distribution of common and rare species as well as the computer modeling of future changes. This book should be of particular value to individuals, libraries, and research institutions interested in global climate change.



Cover illustration (front): plant of the moss *Microbryum starckeianum* bearing a meiotic capsule and producing a lawn of protonema at its base. Photo by Lloyd Stark; (back): Daniela Hohenwallner, contributing author, doing her research on Mount Schrankogel in the Austrian Alps. Photo by Peter Essick. © Peter Essick/Aurora Photos.

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