Volume 2B starts with the world of RNA—ancient to modern - its analysis and impact, and the evolution of nuclear and organellar genome, followed by the genomics of ancient algal groups - the dinoflagellates and diatoms, thus being complementary to the complex Rhodophyta covered in volume 2A. The fungal genomics are focussed on asco and basidiomycetous yeast and genome analysis of *Aspergillus* and *Fusarium* with their allies—the most useful and destructive groups respectively. The evolution of diversity, mycotoxin production and molecular tools for detection are noteworthy features. The host-parasite relationship and co-evolution in fungi is a special topic. Extensive data on liverworts and mosses have been reviewed focussing on functional and evolutionary aspects and interrelations of distant taxa.

This unique treatise, the only one of its kind on different facets of lower group genomics, will be of immense help to researchers in plant sciences engaged in areas of taxonomy, genetics, molecular biology and evolution.

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