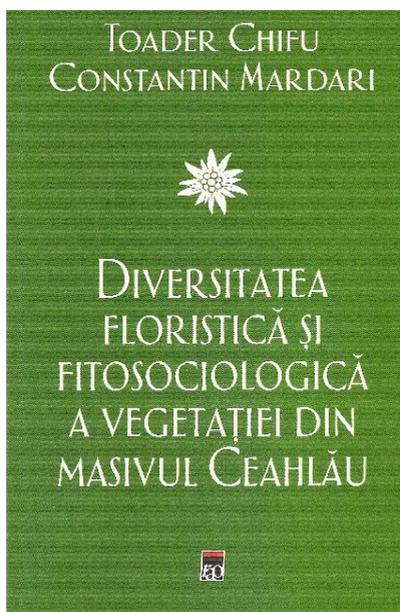


BOOK REVIEW

TOADER CHIFU, CONSTANTIN MARDARI, *Diversitatea floristică și fitosociologică a vegetației din masivul Ceahlău* [*Floristic and phytosociological diversity of vegetation in Ceahlău massif*], 2020, RAO Distribuție Publishing House, 204 p., ISBN 978-606-006-496-1.



The book *Flora and vegetation of Ceahlău massif* is part of the regional monographic researches, which have lately known a special intensity, research that is part to the wider study of biodiversity, with an important role in the economy of man and nature. Through this work, the authors make a contribution to the study of the flora and vegetation of one of the most famous mountainous areas in Romania and highlight the effort of the predecessors in the study of the extraordinary phytodiversity of this mountain massif.

The first part presents the flora of the Ceahlău massif together with a short history of botanical researches that highlights, starting from the first floristic mentions dating from the end of the 18th century, until now, the contributions of all researchers of the flora in this region. The vascular flora includes 1288 taxa, classified in 460 genera and 97 botanical families. Also, the authors emphasized the specifics of the flora in this mountain area. The endemic elements were highlighted, as well as numerous other species protected in Romania. Aspects related to species distribution depending on vegetation belts and other phytogeographical features of the territory of the Ceahlău massif were also presented. The second part was dedicated to the study of phytosociological diversity. After a short history of phytosociological studies and the presentation of the large vegetation units in Ceahlău massif, the syntaxonomic scheme including 56 coenotaxa within 18 vegetation classes was highlighted. For each association/sub-association were presented the distribution, the characteristic/differential species and a characterization of the floristic and phytocenological composition. Among all plant communities, the diversity of the meadows was highlighted.

This book addresses a topic of particular scientific importance in the field of biodiversity, presenting a broad synthesis of data known in the literature, completed by a valuable personal contribution. Due to the richness of the data contained in the main chapters, the paper is a meritorious and topical scientific achievement that comes to complete the research in the field of biodiversity.

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