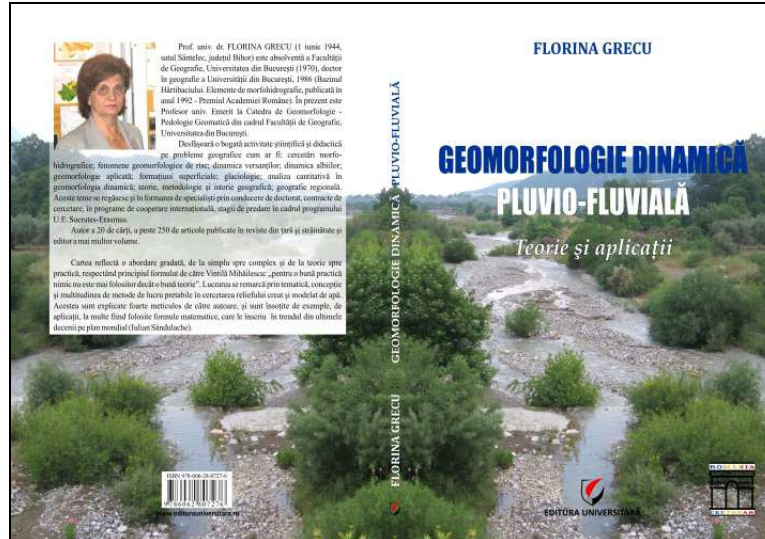


BOOK REVIEWS / COMPTES-RENDUS / RECENZII

FLORINA GRECU, Geomorfologie dinamică pluvio-fluvială. teorie și aplicații / “Dynamic Rainfall and Fluvial Geomorphology: Theory and Practice”, Editura Universitară / University Publishing House, București, 2018, 480 p.

This year, the University Publishing House of Bucharest has printed the work titled “DYNAMIC RAINFALL AND FLUVIAL GEOMORPHOLOGY: THEORY AND PRACTICE”, authored by Professor Ph.D Florina Grecu, from the Faculty of Geography within the University of Bucharest. This book is supposed to be in the first place a working tool dedicated to all those interested in the field of geomorphology, be they involved in education or in research. At the same time, it is a synthesis of the lectures given by Mrs. Florina Grecu for more than two decades at the Faculty of Geography in Bucharest.

With more than 430 pages, the work is a genuine treatise of dynamic geomorphology. Its author, Florina Grecu, is known to be a dedicated teacher and a mentor for her younger collaborators, namely Laura Comănescu, Gabriela Toroimac, Raluca Alexandru, Ștefania Grigore, and Iulian Săndulache, who authored various chapters of this book.



The work is divided into four parts, which mirror a gradual approach, from simple to complex and from theory to practice, according to the principle formulated by Vintilă Mihăilescu in his “Theoretical geography” (1968): “for a good practice nothing is more useful than a good theory”. The four parts are the following: 1. Pluvial geomorphology – flow patterns along the slope; 2. Geomorphology of morphohydrographic catchment; 3. Fluvial geomorphology; 4. Evolution and applications.

In the first place, the book stands out by the multitude of working methods that can be used in geomorphology; all these are carefully explained by the author, with examples and applications, often even with mathematical relations, which take into account the examples and trends at international level over the past decades. For instance, this book includes tables and graphs related to rock properties (hardness, plasticity, shear strength, thixotropy, etc.) and water erosion force, as well as a number of indexes, like cobble stone roundness, various channel parameters, etc. As a matter of fact, the whole work is full of graphs, tables, maps, mathematical formulae, drawings and sketches extremely useful for the specialists in geomorphology and in connected fields, on the one hand, (geology, pedology), and for those working in practical fields (townhalls, territorial decision boards, etc.), on the other hand.

The language is elevated, but at the same time very clear and precise, which makes the book accessible. Every specific term is defined and the theoretical issues are followed by one or more examples, so that to help the reader understand the topics. Also, the author proves to have knowledge in fields like chemistry, physics, geology, mathematics, fields that she “tames”, bringing them to the less abstract field of geography.

Based on the facts mentioned above, I think that the work “DYNAMIC RAINFALL AND FLUVIAL GEOMORPHOLOGY: THEORY AND PRACTICE”, authored by FLORINA GRECU, is a necessary and topical writing and I will use it extensively in the future in my activity, recommending it at the same time to students and colleagues, as a necessary working tool.

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