



1st ed. 2019, XXIII, 342 p. 130 illus.

Printed book

Hardcover

79,99 € | £70.50 | \$99.00

^[1]85,59 € (D) | 87,99 € (A) | CHF 94,50

Softcover

79,99 € | £70.50 | \$99.00

^[1]85,59 € (D) | 87,99 € (A) | CHF 94,50

eBook

67,40 € | £55.99 | \$74.99

^[2]67,40 € (D) | 67,40 € (A) | CHF 75,50

Available from your library or
springer.com/shop

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Viliam Novák, Hana Hlaváčiková

Applied Soil Hydrology

Series: Theory and Applications of Transport in Porous Media

- Presents basic topics of soil hydrology clearly, making it suitable for a wide range of researchers and students
- Extremely well illustrated and complemented with practical tables
- Explores specific topics of soil hydrology, such as transport of water in mountainous, stony soils, water movement in water repellent soils, and basics of soil water modeling
- Covers up-to-date soil hydrology enriched with field and laboratory data

This state-of-the-art book clearly explains the basic principles of soil hydrology and the current knowledge in this field. It particularly highlights the estimation and application of measurements and evaluation of soil-hydrophysical characteristics using simulation models, with a focus on elucidating the basic hydrophysical characteristics of soil, such as soil water potential and hydraulic conductivity, as well as the methods of measurement. It also addresses topics such as stony soil, water repellent soils, and water movement modeling in those media. The book presents soil hydrology in a simple way, while quantitatively expressing the soil water state and movement. It clearly and precisely describes basic terms of soil hydrology with a minimum of mathematics. It also includes the latest research findings in the field as well as the basics of the mathematical modeling of water movement in the soil-plant-atmosphere system (SPAS), using original research results to illustrate these issues. This book is of interest to all scientists and professionals in soil hydrology, including beginners, as well as those interested and working in hydrology in general and soil hydrology in particular. In addition, it can also be used by specialists and students in related fields like agronomy, forestry, meteorology, hydrology, environmental engineering, environmental protection, and geography.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

