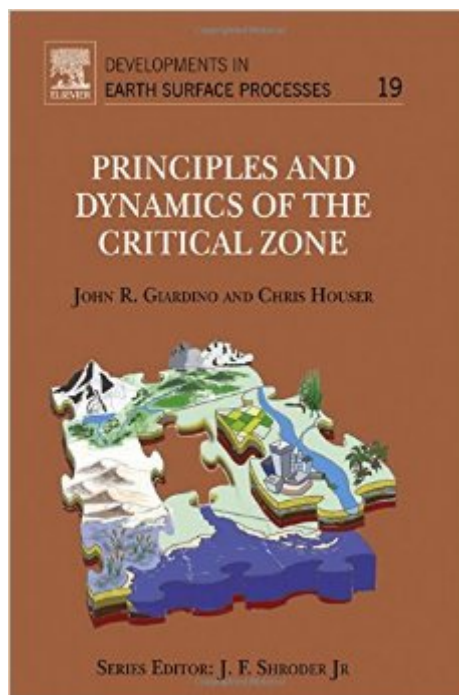


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Principles And Dynamics Of The Critical Zone, Volume 19 (Developments In Earth Surface Processes)



Synopsis

Principles and Dynamics of the Critical Zone is an invaluable resource for undergraduate and graduate courses and an essential tool for researchers developing cutting-edge proposals. It provides a process-based description of the Critical Zone, a place that The National Research Council (2001) defines as the "heterogeneous, near surface environment in which complex interactions involving rock, soil, water, air, and living organisms regulate the natural habitat and determine the availability of life-sustaining resources." This text provides a summary of Critical Zone research and outcomes from the NSF funded Critical Zone Observatories, providing a process-based description of the Critical Zone in a wide range of environments with a specific focus on the important linkages that exist amongst the processes in each zone. This book will be useful to all scientists and students conducting research on the Critical Zone within and outside the Critical Zone Observatory Network, as well as scientists and students in the geosciences – atmosphere, geomorphology, geology and pedology. The first text to address the principles and concepts of the Critical Zone. A comprehensive approach to the processes responsible for the development and structure of the Critical Zone in a number of environments. An essential tool for undergraduate and graduate students, and researchers developing cutting-edge proposals.

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