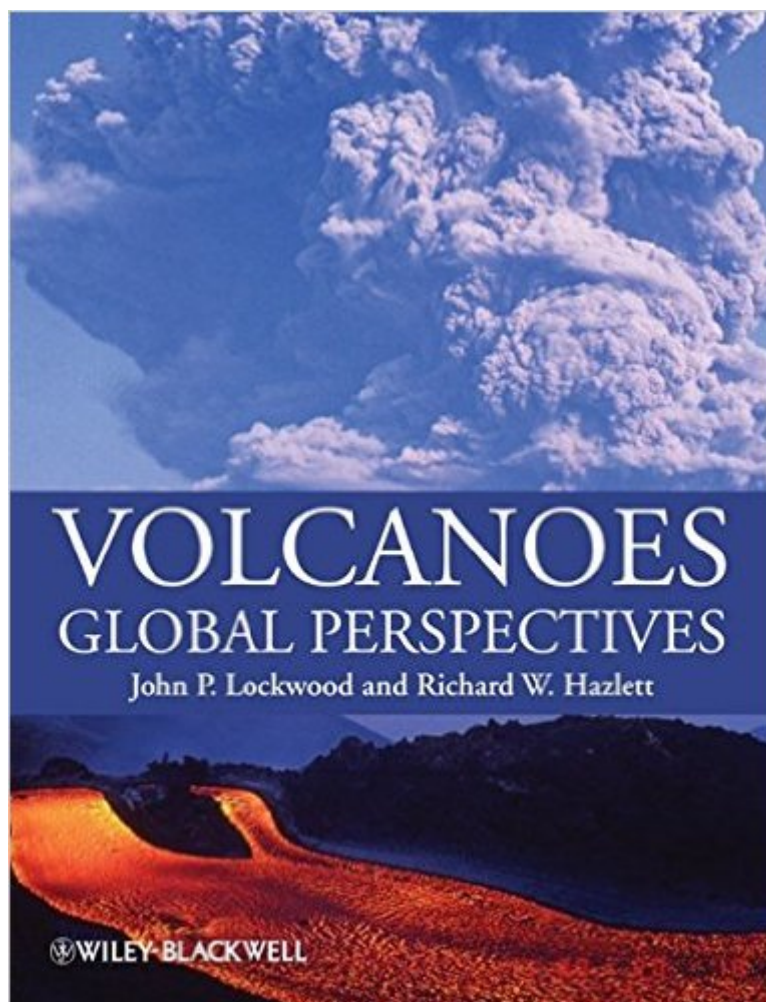


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Volcanoes: Global Perspectives



Synopsis

Volcanoes are essential elements in the delicate global balance of elemental forces that govern both the dynamic evolution of the Earth and the nature of Life itself. Without volcanic activity, life as we know it would not exist on our planet. Although beautiful to behold, volcanoes are also potentially destructive, and understanding their nature is critical to prevent major loss of life in the future. Richly illustrated with over 300 original color photographs and diagrams the book is written in an informal manner, with minimum use of jargon, and relies heavily on first-person, eye-witness accounts of eruptive activity at both "red" (effusive) and "grey" (explosive) volcanoes to illustrate the full spectrum of volcanic processes and their products. Decades of teaching in university classrooms and fieldwork on active volcanoes throughout the world have provided the authors with unique experiences that they have distilled into a highly readable textbook of lasting value. Questions for Thought, Study, and Discussion, Suggestions for Further Reading, and a comprehensive list of source references make this work a major resource for further study of volcanology. Volcanoes maintains three core foci: Global perspectives explain volcanoes in terms of their tectonic positions on Earth and their roles in earth history Environmental perspectives describe the essential role of volcanism in the moderation of terrestrial climate and atmosphere Humanitarian perspectives discuss the major influences of volcanoes on human societies. This latter is especially important as resource scarcities and environmental issues loom over our world, and as increasing numbers of people are threatened by volcanic hazards Readership Volcanologists, advanced undergraduate, and graduate students in earth science and related degree courses, and volcano enthusiasts worldwide. A companion website is also available for this title at www.wiley.com/go/lockwood/volcanoes

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Customer Reviews

I teach a college-level geology course and courses in introductory earth science at a high school in Westchester County (NY). In all of my classes, we spend a good deal of time learning about volcanoes and the processes that create them. Over the years, I have developed an extensive library of geology-related books, especially of ones that discuss volcanic processes. While there are some decent books on the market, it has been difficult to find one that is appropriate for both high school-level and college (introductory-level) courses. Either the books are too simplistic (written mainly for elementary school-age students), or are too technical (more appropriate for graduate level students). For years, I have been looking for the perfect book on volcanoes that would address the needs of my classes. "Volcanoes, Global Perspectives" by Lockwood and Hazlett is that perfect book. I have been an admirer of both Lockwood and Hazlett for years. I have led many geology field trips to Hawaii for my students over the past 12 years. Lockwood has published MANY articles about Hawaiian geology and Hazlett wrote the well-known Roadside Geology of Hawaii (the best of the Roadside series in my opinion) Roadside Geology of Hawai'i. So, I was delighted when I saw that they had teamed up to write, what I am sure will become a classic text, a book on volcanoes. I was also excited when I read the Preface and learned that the book started as an update of Gordon Macdonald's classic "Volcanoes" from 1970 (ended up being a complete rewrite since our understanding of volcanic processes has changed significantly in the last 40 years).

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