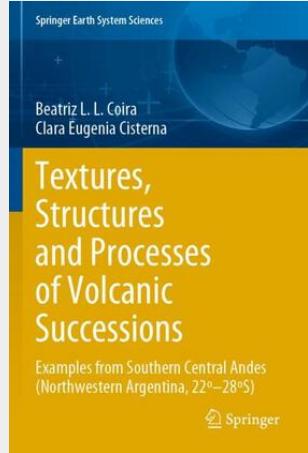


Textures, Structures and Processes of Volcanic Successions

Examples from Southern Central Andes (Northwestern Argentina, 22°–28°S)

This book provides a complete study of the Central Andean volcanism and its most distinctive features, from the lower Paleozoic to the Cenozoic times in the framework of its processes, eruptive mechanisms and geodynamic conditions. It helps readers understand the nature of the volcanic geology and the volcaniclastic related deposits linked to the evolution of the Andean continental margin. Special attention is paid to the analysis of the ancient volcanic successions and the difficulties in recognition of the original rock type caused by the effects of deformation, metamorphism and alteration. The authors use distinctive cases to describe how to apply different tools in analysis and interpretation. The selected representative, well exposed and preserved volcanic records of the Southern Central Andes analyzed in this book open new perspectives in the understanding of the volcanic processes linked to active continental margins as the Central Andes. This book will be of special interest to volcanologists and specialists in the earth sciences and appeal to both undergraduate and graduate students in geology.



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