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Sommario/riassunto	This book examines novel geological formations and lava flows of basaltic rock in India, and provides a comprehensive understanding of basaltic rock geology, petrography, stratigraphy and geochemistry. Readers are given insight into the geologic conditions of basaltic rock in central India, and a basic introduction to field geology methods and parameters in the study region. The author shows detailed petrographic and mineralogical characteristics of various basaltic rock formations, and identifies key features using major, trace and rare earth element stratigraphic analysis. An analysis of the sequence of hydro-geological formations of the basaltic rock area using ground water fluctuation models is also provided to assess surface and groundwater resources, which are important for planning development in the basaltic hard rock area. The book aims to be a resource for researchers, scientists, teachers and students interested in geology, petrography and geochemistry.