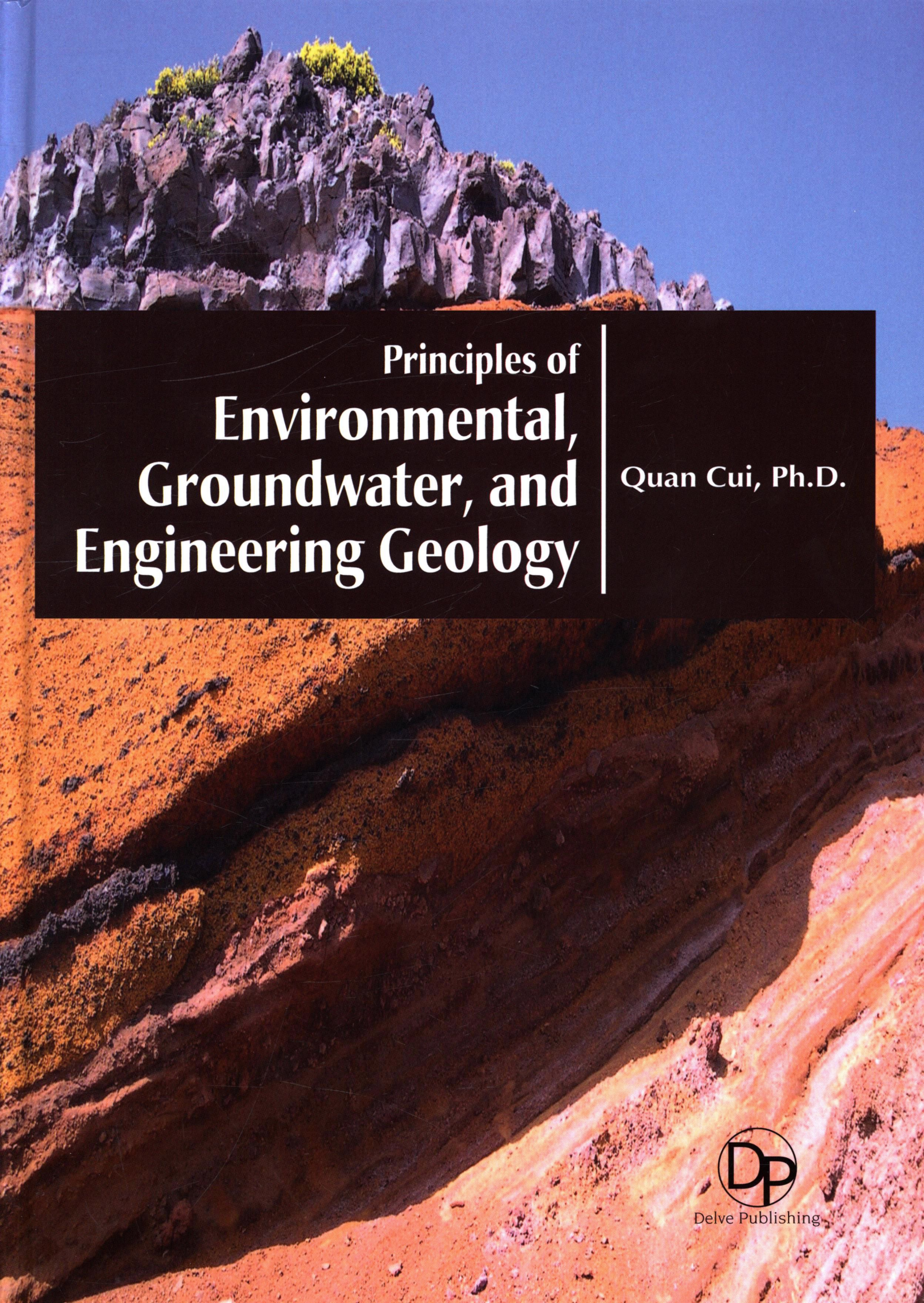




Principles of Environmental, Groundwater, and Engineering Geology

Quan Cui, Ph.D.



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In an interdisciplinary field, geology science is related to groundwater related issues, environmental and engineering problems. So understanding geology is critical to effectively manage water resources and solve related environmental or engineering issues precisely. Geotechnical methodologies are used interdisciplinary subjects such as elementary investigation and mapping, movement pattern understanding and modelling, groundwater management and regional development policies and plans. The focus of this book includes applied geomorphology, applied geophysics and geochemistry, environmental geology and hydrogeology, natural hazards, remote sensing techniques, applied geotechnical engineering, regional geographic review and policy-make. This book also contains up-to-bottom discussions about research challenges, economy analysis and assessment the utility of geographic methodologies.



Quan Cui obtained her PhD from Beijing Normal University in 2015. She worked as environmental impact assessment engineer for years. Aiming at linking science to policy, her study interest spans from ecosystem modelling to water resources management. She published peer-reviewed articles about using machine learning models in inflow forecasting, CO2 management and watershed ecosystem health assessment.



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PRINCIPLES OF ENVIRONMENTAL, GROUNDWATER, AND ENGINEERING GEOLOGY



About the Editor

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Preface

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