

Miltiadis G. Zamparas · Grigorios L. Kyriakopoulos *Editors*

## Chemical Lake Restoration

Technologies, Innovations and Economic Perspectives

This book aims to structure in a complete and sequential way the mainstream technical knowledge which is related to eutrophication control. The book content is oriented to contain the development of innovative technologies for phosphate removal, while supporting the restoration of currently degraded lakes and reservoir systems. In addition, this book also contains key-aspects of benchmark interest in the coming years, being specially framed under the ongoing development of circular economy. Particularly, this book will contribute to better understanding the problem of internal P-loads and P-sources disposition toward more effective control of nutrients' enrichment in lakes. The chemical routes and environmental fate of such nutrients in lakes will be viewed in the light of innovative technologies (engineering dimension) and circular economy perspectives (economics dimension). Since the book thematic is extended to economic appreciation of environmental polluted aquifers, the book audience is interdisciplinary, covering a wide spectrum of scientific fields, such as environment, physical chemistry, surface chemistry, interfacial phenomena, coastal engineering, bio-engineering, environmental policy makers, economists. Moreover, it could be a must-read book for academic purposes, being especially attractive and scientifically pluralistic upon the aforementioned scientific fields.

ISBN 978-3-030-76379-4



9

► [springer.com](https://www.springer.com)

Zamparas · Kyriakopoulos *Eds.*



Chemical Lake Restoration

Miltiadis G. Zamparas  
Grigorios L. Kyriakopoulos *Editors*

# Chemical Lake Restoration

Technologies, Innovations and Economic  
Perspectives

 Springer