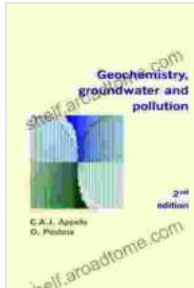


Geochemistry of Groundwater and Pollution: A Comprehensive Guide



Geochemistry, Groundwater and Pollution

by Werner Pepperhoff

★★★★☆ 4.3 out of 5

Language : English

File size : 11705 KB

Screen Reader : Supported

Print length : 683 pages



Groundwater is a vital resource for drinking water, irrigation, and industrial purposes. However, groundwater can also be contaminated by a variety of pollutants, including bacteria, viruses, organic chemicals, and heavy metals. The geochemistry of groundwater plays a critical role in determining the fate and transport of these pollutants.

Geochemistry of Groundwater and Pollution by Werner Pepperhoff is a comprehensive guide to the geochemical processes that impact groundwater quality and environmental pollution. This book provides a detailed overview of the major geochemical processes that occur in groundwater systems, including:

- Dissolution and precipitation of minerals
- Ion exchange
- Adsorption and desorption

- Redox reactions
- Microbial processes

Pepperhoff also discusses the application of geochemical modeling to groundwater pollution problems. Geochemical modeling can be used to predict the fate and transport of pollutants in groundwater systems, and to design remediation strategies.

Book Contents

Geochemistry of Groundwater and Pollution is divided into 12 chapters:

- 1.
2. Groundwater Chemistry
3. Geochemical Processes in Groundwater Systems
4. Pollution of Groundwater
5. Fate and Transport of Pollutants in Groundwater
6. Geochemical Modeling of Groundwater Pollution
7. Remediation of Groundwater Pollution
8. Case Studies
9. Glossary
10. References
11. Index

The book includes over 200 figures and tables, and a comprehensive glossary of terms. It is an essential resource for anyone who works in the

field of groundwater contamination and pollution.

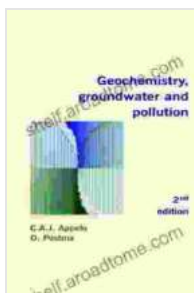
About the Author

Werner Pepperhoff is a professor of geochemistry at the University of Tübingen in Germany. He has over 30 years of experience in the field of groundwater contamination and pollution. Pepperhoff is the author of numerous scientific papers and books, including *Geochemistry of Groundwater and Pollution*.

Geochemistry of Groundwater and Pollution is a comprehensive and up-to-date guide to the geochemical processes that impact groundwater quality and environmental pollution. This book is an essential resource for anyone who works in the field of groundwater contamination and pollution.

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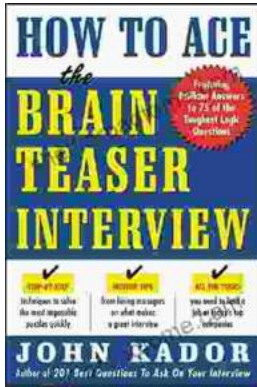
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