Advanced Nanomaterials for Water Engineering, Treatment, and Hydraulics

Part of the Advances in Environmental Engineering and Green Technologies Book Series

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Description:

While nanotechnology has been a booming research field for years, the study of how it can be used alongside water engineering has not been deeply explored. By examining the ways in which nanomaterials can aid hydraulics, these tools can be used for water purification, water treatments, and a vast array of other uses that will make water engineering easier and safer.

Advanced Nanomaterials for Water Engineering, Treatment, and Hydraulics is a comprehensive reference source for the latest research-based material on the use of progressive nanotechnologies for water technologies. Features coverage on relevant topics such as water purification, nano-metal oxides, chitosan nanoparticles, and contaminated waste water.

Readers:

This is an ideal reference source for engineers, students, academics, and researchers seeking innovative perspectives on the use of nanomaterials in water engineering.

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Topics Covered:

- Biomaterials
- Chemical Substance Removal
- Chitosan Nanoparticles
- Environmental Concerns
- Hexavalent Chromium
- Pollutants Degradation
- Waste Water

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