Environmental Applications of Nanoscale and Microscale Reactive Metal Particles


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The text covers a range of subjects dealing with nanotechnology and is a pleasure to read. The material is not confounded by exhaustive referencing, although appropriate references are included. The references are restricted to broad articles carefully selected by the authors.

The book chapters cover various aspects of how micro- and nanoparticles can be used in the remediation of a large number of environmental contaminants. Special consideration is given to different metallic particles, such as zero-valent iron, in the remediation of toxic organics. Field-scale applications of nanoparticles in environmental remediation are also discussed. Some chapters give greater in-depth coverage than other chapters. Illustrations and figures are adequate, although statistical variation in some figures are lacking.

This is a text that will be of use to graduate students and academic faculty, including chemists and engineers in government and industry who have an interest in nanoscale and microscale particles. It is a useful contribution to the remediation of organic pollutants entering the environment.