



DOWNLOAD



## Environmental Chemistry: Microscale Laboratory Experiments

By Ibanez, Jorge G.; Hernandez-Esparza, Margarita; Doria-Serrano, Carmen; Fregoso-Infante, Arturo; Singh, Mono Mohan

Springer, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Experiments.- Water characterization.- Dissolved oxygen in water.- Alkalinity and buffering capacity of water.- Aqueous carbonate equilibria and water corrosiveness.- The point of zero charge of oxides.- Experimental transitions in E vs. pH (or Pourbaix) diagrams.- Air oxidation of metal ions.- Photoassisted reduction of metal complexes.- Anionic detergents and o-phosphates in water.- Halogenated hydrocarbons and the ozone layer depletion.- Acid mine (or acid rock) drainage.- Electrochemical treatment of gas pollutants.- Electrochemical treatment of liquid wastes.- Electrochemical treatment of polluted soils.- Removal of nitric oxide by complex formation.- Photocatalytic remediation of pollutants.- Chemical mineralization of pollutants through the Fenton reaction.- Production and analysis of chloramines.- Production and analysis of chlorine dioxide.- Metal ion recovery by cementation.- Green chemistry: The recovery and reuse of sulfur dioxide.- Microorganisms in soil, water and air.- Toxicity assay using bacterial growth.- Wastewater disinfection.- Appendix I: Answers to selected problems from the experiments.- Appendix II: Analytically-oriented environmental chemistry experiments in the literature.



**READ ONLINE**  
[ 1010.98 KB

### Reviews

*The most effective ebook i at any time study. It can be writter in easy words and phrases and not difficult to understand. I am just pleased to let you know that this is the finest publication i have read within my individual lifestyle and could be he finest publication for at any time.*

-- **Tania Mosciski**

*Simply no phrases to describe. It is amongst the most awesome pdf we have read through. Your life period will probably be transform as soon as you complete looking over this publication.*

-- **Torrance Skiles**