



ENVIRONMENTAL OXIDANTS



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Resumo de Environmental Oxidants

The chemical enigma that is both a pollutant and an antipollutant--and environmental science's newest cause celebre.oxidants Responsible for chemical reactions both harmful and benign, oxidants represent the sort of chemical puzzle that have scientists both concerned and fascinated.

Implicated in deadly smog episodes and arteriosclerosis, oxidants have also played a major role in treating polluted waters and in certain anticancer drugs. A broad-based, up-to-date examination of the environmental chemistry and toxicology of oxidants, Environmental Oxidants is a compendium of the latest research being done in the field.

Bringing together the work of noted researches, the book contains a detailed look at:

- * Evolution, production, distribution, and fate of oxidants in the atmosphere, hydrosphere, and biosphere
- * Influence of human activities on oxidative processes in the atmosphere
- * Oxidative stress at the cellular, systemic, and ecosystem levels
- * Use of oxidants in wastewater treatment processes

A selective and incisive look at the current state of research on oxidants, Environmental Oxidants provides environmental scientists and engineers with an informative, detailed discussion of just how and why oxidants have emerged as a key issue in human health and environmental integrity.

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