



Environmental Chemistry : Principles and Recent Advances

By P. Padmaja Sudhakar and V. J. Koshy

Teri Press, 2015. Hardcover. Book Condition: New. 1st Edition. Contents: 1. Concept and scope of environmental chemistry. 2. Fundamentals of chemical thermodynamics. 3. Atmospheric chemistry. 4. Atmospheric pollution. 5. Hydrospheric chemistry. 6. Water pollution. 7. Lithosphere chemistry. 8. Soil and soil pollution. 9. Solid and hazardous waste management. 10. Recent advances in treatment technologies. 11. Green chemistry. 12. Environmental toxicology. 13. Radiation pollution. 14. Global environmental disasters. 15. Analytical techniques in environmental analysis. Environmental Chemistry: principles and recent advances provides a holistic view of the chemical processes in all segments of the atmosphere. It discusses the various pollutants present in the atmosphere, including persistent and bioaccumulative chemicals, pesticides, nanoparticles, and chiral pollutants. Advances in treatment techniques, and analysis and monitoring of pollutants are other topics covered in detail. A chapter has been dedicated for a comprehensive discussion on green chemistry. Key Features: Comprehensive coverage of recent remediation technologies. Inclusion of application of nanomaterials their environmental effects and measurement techniques. Focus on green chemistry with respect to environmental processes. Significant emphasis on carbon sequestration and carbon credits. Specific focus on major environmental disasters, including the Fukiyama Daiichi nuclear disaster.



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