

Hazardous Industrial Waste Treatment

edited by
Lawrence K. Wang
Yung-Tse Hung
Howard H. Lo
Constantine Yapijkis



Taylor & Francis
Taylor & Francis Group

Contents

Preface
Contributors

v
ix

1. Implementation of Industrial Ecology for Industrial Hazardous Waste Management <i>Lawrence K. Wang and Donald B. Aulenbach</i>	1
2. Bioassay of Industrial Waste Pollutants <i>Svetlana Yu. Selivanovskaya, Venera Z. Latypova, Nadezda Yu. Stepanova, and Yung-Tse Hung</i>	15
3. In-Plant Management and Disposal of Industrial Hazardous Substances <i>Lawrence K. Wang</i>	63
4. On-Site Monitoring and Analysis of Industrial Pollutants <i>Jerry R. Taricska, Yung-Tse Hung, and Kathleen Hung Li</i>	133
5. Pollution Prevention <i>J. Paul Chen, Thomas T. Shen, Yung-Tse Hung, and Lawrence K. Wang</i>	157
6. Stormwater Management and Treatment <i>Constantine Yapijakis, Robert Leo Trotta, Chein-Chi Chang, and Lawrence K. Wang</i>	191
7. Site Remediation and Groundwater Decontamination <i>Lawrence K. Wang</i>	241
8. Treatment of Metal Finishing Wastes <i>Olcay Tünay, İşık Kabdash, and Yung-Tse Hung</i>	289
9. Treatment of Photographic Processing Wastes <i>Thomas W. Bober, Dominick Vacco, Thomas J. Dagon, and Harvey E. Fowler</i>	361
10. Treatment of Timber Industry Wastes <i>Lawrence K. Wang</i>	409

11. Explosive Waste Treatment <i>J. Paul Chen, Shuaiwen Zou, Simo Olavi Pehkonen, Yung-Tse Hung, and Lawrence K. Wang</i>	429
12. Treatment of Landfill Leachate <i>Michał Bodzek, Joanna Surmacz-Gorska, and Yung-Tse Hung</i>	441
<i>Index</i>	<i>495</i>