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Nota di contenuto	Intro -- The Handbook of Environmental Chemistry Also Available Electronically -- Series Preface -- Preface -- Contents -- Electro-Fenton Process: Fundamentals and Reactivity -- 1 Introduction -- 2 Conventional Fenton Process -- 3 Hydrogen Peroxide Electrogeneration -- 3.1 Cathode Materials -- 3.2 Divided Cells -- 3.3 Undivided Cells -- 4 Electro-Fenton Process -- 4.1 Cell Configuration -- 4.2 Iron Catalysts -- 4.3 Anode Behavior and Electrolyte Composition -- 4.4 Operation Variables -- 5 Conclusions -- References -- Bio-electro-Fenton: A New Combined Process - Principles and Applications -- 1 Introduction -- 2 Biological Methods for the Degradation of Organic Emerging Contaminants -- 3 The Coupling of Biological Processes with AOPs -- 3.1 AOPS as Pre- or Post-treatment for Biological Processes -- 3.2 Biodegradability Indicators -- 4 The Electro-Fenton Process -- 5 Bio-electro-Fenton Process -- 5.1 Fundamentals of Bio-EF Process -- 5.2 Degradation Pathways During the Bio-EF Process -- 5.3 Experimental Features and Operating Conditions -- 5.4 Economic Aspects -- 6

Concluding Remarks and Perspectives -- References -- The Electro-peroxone Technology as a Promising Advanced Oxidation Process for Water and Wastewater Treatment -- 1 Introduction -- 2 Principles and Advantages of the Electro-peroxone Process -- 2.1 Cathodic Reaction Mechanisms During the Electro-peroxone Process -- 2.2 Bulk Reaction Mechanism During the Electro-peroxone Process -- 2.3 Photoelectro-peroxone Process -- 3 Applications of the Electro-peroxone Process for Water and Wastewater Treatment -- 3.1 Electro-peroxone for Wastewater Treatment -- 3.2 Electro-peroxone for Advanced Wastewater Treatment -- 3.3 Electro-peroxone for Drinking Water Treatment -- 3.4 Electro-peroxone Regeneration of Spent Activated Carbon -- 4 Concluding Remarks.

4.1 Potentials of the Electro-peroxone Process for Water and Wastewater Treatment -- 4.2 Future Research Directions -- References -- Heterogeneous Electro-Fenton Process: Principles and Applications -- 1 Introduction -- 2 Importance of Heterogeneous EF Process -- 3 Heterogeneous Electro-Fenton Catalysts -- 3.1 Magnetite ( $\text{Fe}_3\text{O}_4$ ) -- 3.2 Zero-Valent Iron -- 3.3 Pyrite -- 3.4 Sludge Containing Iron -- 3.5 Iron-Loaded Alginate Beads -- 3.6 Iron-Loaded Carbon -- 3.7 Iron-Loaded Zeolite -- 3.8 Iron-Loaded Sepiolite -- 4 Pollutant Degradation Mechanism -- 5 Conclusions and Perspectives -- References -- Modified Cathodes with Carbon-Based Nanomaterials for Electro-Fenton Process -- 1 Introduction -- 2 Modification of Cathodes with Carbon-Based Nanomaterials for EF Process -- 2.1 Carbon Nanotubes -- 2.2 Graphene Family -- 2.3 Mesoporous Carbons -- 3 Conclusion -- References -- Advances in Carbon Felt Material for Electro-Fenton Process -- 1 Introduction -- 2 Characterization of CF Material -- 3 Method to Modify CF Material -- 3.1 Chemical Treatment -- 3.2 Thermal and Plasma Treatment -- 3.3 Graphene Based Modification -- 3.4 Carbon Nanotube-Based Modification -- 3.5 Polymer-Based Modification -- 3.6 Zeolite-Based Modification -- 4 Carbon Felt-Based Material for Wastewater Treatment by EF Process -- 4.1 Carbon Felt for EF Process -- 4.2 Modified EF Systems Using Carbon Felt Cathodes -- 4.2.1 Modified Felt Cathodes for Homogeneous EF -- 4.2.2 Modified Felt Cathodes for Heterogeneous EF -- 4.2.3 Hybrid EF System Using Carbon Felt Cathodes -- 4.2.4 Industrial Applications -- 5 Conclusion -- References -- Cathode Modification to Improve Electro-Fenton Performance -- 1 Introduction -- 2 Chemical Modification of Graphite Felt -- 2.1 Chemical Modification Procedure and Performance -- 2.2 Cathode Characterization -- 2.3 Electro-Fenton Application. 3 Anodic Oxidation of Graphite Felt -- 3.1 Electrochemical Modification of Cathode -- 3.2 Electrode Characteristics -- 3.3 EF Application -- 4 Graphite Felt Modification with Carbon Black -- 4.1 Cathode Preparation -- 4.2 Cathode Characteristics -- 4.3 EF Application -- 5 Heterogeneous EF -- 5.1 Cathode Preparation -- 5.2 Cathode Characteristics -- 5.3 EF Application -- 6 Summary and Outlook -- References -- Conventional Reactors and Microreactors in Electro-Fenton -- 1 Introduction -- 2 Tank Cell -- 3 Parallel-Plate Flow Cell -- 4 Moving Three-Dimensional Electrodes -- 5 Pressurized Reactors -- 6 Microreactors -- 7 Conclusions -- References -- Cost-Effective Flow-Through Reactor in Electro-Fenton -- 1 Introduction -- 2 The Mechanism of Flow-Through Reactor -- 2.1 Mass Transfer -- 2.2 Adsorption, Desorption, and Oxidation -- 2.3 Electron Transfer -- 3 Cathode Material -- 3.1 Carbon Nanotubes (CNTs) -- 3.2 Carbon Fiber -- 3.3 Graphite Felt -- 3.4 Carbonaceous Materials -- 4 The Application of Flow-Through EF System -- 4.1 The Advantages of Flow-Through EF -- 4.2 Stability of the Flow-Through EF -- 4.3 Influence of Operating Parameters -- 4.3.1 Influence of Current --

4.3.2 Influence of Initial pH -- 4.3.3 Influence of Flow Rate -- 4.4 Combined Flow-Through EF Reactor -- 5 Coupling of Flow-Through EF with Other Water Treatment Technology -- 5.1 Flow-Through EF/Adsorption -- 5.2 Flow-Through Peroxi-Coagulation -- 5.3 Flow-Through EF + Ozone -- 6 Summary and Perspective -- References -- Reactor Design for Advanced Oxidation Processes -- 1 Introduction -- 2 Design and Basic Considerations -- 2.1 Electrode Materials -- 2.2 Cell Potential -- 2.3 Performance -- 3 Design and Characterization of Electrochemical Reactors -- 3.1 Experimental Characterization -- 3.1.1 Pressure Drop and Non-ideal Flow Dispersion -- 3.1.2 Mass Transport Characterization. 3.2 Theoretical Characterization (Modeling and Simulation) -- 3.2.1 Simulation of Hydrodynamics in a Filter-Press Type Electrolyzer -- Laminar Flow (Empty Channel) -- Turbulent Flow (Filled Channel) -- Results and Discussion -- 3.2.2 Simulations of the Secondary Current Distribution Along the BDD Plate During the Formation of Hydroxyl Radicals from the... -- Formulation of the Numerical Simulation -- Results and Discussion -- 3.2.3 The Modeling of a Solar Photoelectro-Fenton Flow Plant -- Mathematical Model -- Results and Discussion -- 4 Further Developments and Perspectives -- References -- Modeling of Electro-Fenton Process -- 1 Introduction -- 1.1 The Technological Challenge of Wastewater Treatment -- 2 Fenton Process -- 2.1 Hydroxylation -- 2.2 Wastewater Treatment -- 2.3 Kinetic Modeling -- 2.3.1 Multistep Mechanistic Rate Laws -- 2.3.2 Empirical Kinetic Modeling -- 3 Electro-Fenton Processes -- 3.1 Wastewater Treatment -- 3.2 Activation of H<sub>2</sub>O<sub>2</sub> by Iron Ions -- 3.3 Degradation of Organics by Fenton and EF Process -- 4 Modeling of Electro-Fenton Process -- 4.1 Multistep Mechanistic Rate Laws -- 4.2 Empirical Kinetic Modeling -- 4.2.1 Experimental Design Methodology -- 4.2.2 Artificial Neural Networks -- 4.2.3 Semiempirical Kinetic Models -- 5 Conclusions -- References -- Solar-Assisted Electro-Fenton Systems for Wastewater Treatment -- 1 Introduction -- 2 Fundamentals of the SPEF Method -- 3 Operation Parameters -- 4 Degradation of Pure Organic Pollutants -- 4.1 Industrial Chemicals -- 4.2 Pesticides -- 4.3 Dyes -- 4.4 Pharmaceuticals -- 5 Autonomous Solar Flow Plant -- 6 Coupled Solar-Assisted Electro-Fenton Treatments -- 7 Conclusions -- References -- Electro-Fenton Applications in the Water Industry -- 1 Electro-Fenton: A "Newcomer" in the Water Industry -- 2 Electro-Fenton Applications in the Water and Wastewater Sector. 2.1 Purification of Potable Water Sources -- 2.2 Treatment of Secondary Municipal Effluents -- 2.3 Chemical Industry Wastewater -- 2.3.1 Pharmaceutical Industry -- 2.3.2 Pulp and Paper Industry -- 2.3.3 Textile Industry -- 2.4 Treatment of Agro-Industrial Wastewater -- 2.5 Remediation of Landfill Leachate -- 2.6 Other Applications -- 3 Patent Survey -- 4 Design and Operation Aspects Towards EF Optimization -- 4.1 Design of EF Reactors -- 4.1.1 Towards Scale-Up -- 4.2 Optimization of EF Operation -- 4.2.1 Operating pH -- 4.2.2 Applied Potential or Electric Current -- 4.2.3 Air/O<sub>2</sub> Addition -- 4.2.4 Catalyst Addition -- 4.2.5 Feed Flow Rate -- 4.2.6 Operating Temperature -- 5 Recommendations for Future Research -- References -- The Application of Electro-Fenton Process for the Treatment of Artificial Sweeteners -- 1 Introduction -- 2 Treatment of ASs by Electro-Fenton Process -- 2.1 Oxidation Kinetics of ASs -- 2.2 Determination of the Rate Constants for ASs by OH -- 2.3 Mineralization of ASs in Electro-Fenton Process -- 2.4 Evaluation of Mineralization Current Efficiency (MCE) and Energy Consumption (EC) -- 2.5 Identification and Evolution of Short-Chain Carboxylic Acids and Inorganic Ions -- 2.6 Toxicity Assessment During Treatment -- 3 Conclusions -- References -- Soil

Remediation by Electro-Fenton Process -- 1 Introduction -- 2 Influence of Operating Parameters -- 2.1 Influence of Electrode Materials -- 2.2 Influence of Current Density -- 2.3 Influence of Catalyst (Fe<sup>2+</sup>) Concentration -- 3 Effect of the Matrix -- 3.1 Influence of Nature of Extracting Agent and Possibility of Recovery -- 3.2 Influence of pH -- 3.3 Synthetic vs. Real Effluent -- 4 Impacts on Ecotoxicity, Biodegradability, and Soil Respirometry -- 5 Energy Considerations and Concluding Remarks -- References -- Index.

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Sommario/riassunto

This volume discusses the theoretical fundamentals and potential applications of the original electro-Fenton (EF) process and its most innovative and promising versions, all of which are classified as electrochemical advanced oxidation processes. It consists of 15 chapters that review the latest advances and trends, material selection, reaction and reactor modeling and EF scale-up. It particularly focuses on the applications of EF process in the treatment of toxic and persistent organic pollutants in water and soil, showing highly efficient removal for both lab-scale and pre-pilot setups. Indeed, the EF technology is now mature enough to be brought to market, and this collection of contributions from leading experts in the field constitutes a timely milestone for scientists and engineers.

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