



State-of-the-Art Electrochemical Technologies for Water and Wastewater Treatment

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Message from the Guest Editor

Access to water is a universal right; however, worldwide there is a great shortage, especially regarding good treatment practices. In this sense, electrochemical processes have become an important, but above all efficient alternative to carry out treatment of water contaminated with different organic compounds. Processes such as electro-oxidation, electro-Fenton, photoelectro-Fenton, photoelectrocatalysis, or electrocoagulation, as well as combinations thereof, have become among the most studied and applied advanced electrochemical oxidation processes (EAOPs) worldwide. This is because their main reactant is the electron, which operates under normal conditions of pressure and temperature and in most cases does not generate residues, since it mineralizes organic compounds. Based on this idea, we are interested in articles that explore the treatment of organic compounds in water, both in synthetic solutions and in real wastewater developed at the laboratory or pilot plant level, based on the following topics:

- Electro-oxidation
- Electro-Fenton
- Photoelectro-Fenton
- Photo-electrocatalysis
- Electrocoagulation
- Combinations thereof





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Message from the Editor-in-Chief

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