Special Issue

Design and Numerical Simulation of Photo- and Electrochemical Degradation of Pollutants

Message from the Guest Editors

The modeling, simulation, and numerical optimization of photo- and electrochemical processes are critical research areas because of the growing need for effective, environmentally friendly, safe, and sustainable wastewater treatment methods. This Special Issue will present novel reactor design and assessment configurations, as well as the modeling, simulation, and numerical optimization of pollutant photo- and electrochemical degradation. It will also cover mathematical modeling and simulation tools that help predict and optimize environmental reaction conditions. Therefore, this Special Issue is welcoming original research and review articles related to the following areas of the photo- and electrochemical degradation of pollutants:

- Mathematical modeling development;
- Numerical solutions;
- Numerical optimization, such as response surface methodology and convex and non-convex optimization;
- CFD simulations;
- Linear and non-linear control.

We hope that this Special Issue will provide new and valuable insights into these powerful tools.

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Editor-in-Chief

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