# Special Issue

# Modeling and Simulation of Supercritical Water Processes: Oxidation and Gasification

## Message from the Guest Editors

Supercritical water oxidation (SCWO) and supercritical water gasification (SCWG) have attracted great interest from the scientific community over the past few decades. The eventual commercialization of those processes would represent a great success with regard to the promotion of new and sustainable wastewater management processes and sources of energy worldwide. The considerable potential advantages of those processes, as well as the constraints associated with its demanding operating conditions, clearly justify and support further modelling and simulation studies if we are to continue investigating all aspects that are less well-known to us to date. This Special Issue aims to provide an overview of the most recent advances in modelling and simulation in those processes in order to better understand and solve the main difficulties that have been limiting their scale-up and commercialization.

## Guest Editors


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## Deadline for manuscript submissions

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

## Editor-in-Chief

Dr. Jean-Luc PROBST
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