Special Issue

Atmospheric Radical Chemistry

Message from the Guest Editors

Atmospheric radicals play pivotal roles in the oxidizing capacity of the atmosphere and have a profound effect on air quality, human health, and, potentially, climate change. This Special Issue aims to contribute to our current understanding of the roles of different radicals in their atmospheric context, their effects in secondary pollutants' formation and potentially climate change, as well as new techniques to quantify their concentrations and capture the related chemistry reactions. Topic of specific interest include, but are not limited to, the following:

- Radical-related day-time and night-time oxidation chemistry.
- Development and application of measurement techniques for atmospheric radicals.
- Concentration levels of atmospheric radicals under different environmental conditions and associated mechanisms.
- Measuring and model simulations in reproducing atmospheric radical chemistry.
- Radical chemistry related to climate feedbacks.
- Ambient radical reactivities.
- Organic photochemical reactions of environmental interest.
- Atmospheric radical chemistry affected by heterogeneous processes.

We very much look forward to your submissions.

Guest Editors

Dr. Jun Zhou

College of Environment and Climate, Institute for Environment and Climate Research, Jinan University, Jinan, China

Prof. Dr. Barbara Noziére

Department of Chemistry, KTH Royal Institute of Technology, Teknikringen 30, 114 28 Stockholm, Sweden

Deadline for manuscript submissions

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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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