Special Issue

New Insights into Secondary Organic Aerosol Formation

Message from the Guest Editors

The formation of secondary organic aerosols (SOAs) is recognized as a main source of earth atmospheric compositional change due to industrialization in recent human history, and these compounds directly affect global climate, human health, and the environment. However, great uncertainty surrounding SOA formation still exists because the contributing factors are very complicated, i.e., precursor, meteorological condition, regional terrain, and atmospheric chemistry pathways, which also create difficulties with model simulation and enviromental management. This Special Issue aims to provide new insights into SOA formation and its effect on air pollution. Topics of interest for this Special Issue include, but are not limited to:

- Laboratory simulation of SOA formation mechanisms;
- Atmospheric observations showing atomspheric chemistry processes related to SOA formation;
- The atmospheric physics process of SOA formation, i.e., meteorological condition and terrain;
- Environmental management of SOA formation control;
- Models and review papers.

Guest Editors

Dr. Xiao Sui

College of Geography and Environment, Shandong Normal University, Jinan 250358, China

Prof. Houfeng Liu

Center for Environmental Technology and Policy, Shandong Normal University, Jinan 250113, China

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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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