

## Special Issue

# Allergic Diseases (Asthma, Allergic Rhinitis, Atopic Dermatitis) and Air Pollution

### Message from the Guest Editor

Air pollutants include toxic particles and gases emitted in large quantities from many different combustible materials. They also include particulate matter and ozone, and biological contaminants, such as viruses and bacteria, which can penetrate the human airway and reach the bloodstream, triggering airway inflammation, dysfunction, and fibrosis. Pollutants that accumulate in the lungs exacerbate symptoms of allergic diseases such as asthma and allergic rhinitis (AR). Asthma, a heterogeneous disease with complex pathological mechanisms, is characterized by particular symptoms, such as shortness of breath, a tight chest, coughing, and wheezing. AR is a common disease with a significant impact on quality of life and very high management costs. In general, air pollution decreases quality of life and life expectancy. It exacerbates symptoms in patients with allergic diseases and increases the morbidity and risk of hospitalization associated with allergic diseases. Therefore, in this Special Issue, we present the impact of air pollutants on allergic diseases such as asthma and allergic rhinitis on human health and their underlying mechanisms.

### Guest Editor

Dr. An-Soo Jang

Bucheon Hospital, Soonchunhyang University, Asan, Republic of Korea

### Deadline for manuscript submissions

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*Toxics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[toxics@mdpi.com](mailto:toxics@mdpi.com)

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### Message from the Editor-in-Chief

*Toxics* (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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### Editor-in-Chief

Dr. Demetrio Raldúa  
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,  
08034 Barcelona, Spain

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