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Emerging Topics in Light Pollution

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Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editor

The spatial and temporal distribution of light pollution is alterable with varying meteorological conditions and atmospheric particles constantly changing. Results are differences in the emission shape of lit areas, the city emission function, and in the extent of spread and attenuation of light in the atmosphere. All submissions regarding light pollution and light scattering are welcome, special focus will be given to:

- The measurement and analysis techniques of light pollution observations;
- The quantification of the long-term development of light pollution;
- Monitoring and remote sensing approaches of light pollution;
- The relation between light pollution and air pollution/quality;
- Light propagation and scattering due to varying atmospheric parameters;
- Radiation transfer in Earth's atmosphere related to light pollution;
- Impacts of city emission function with varying atmospheric parameters;
- Modelling light pollution and atmospheric parameters;
- Uniting measurements and modelling for light pollution analyses;
- The usage of new tools and techniques for light pollution observations.

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Special Issue

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Editor-in-Chief

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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!

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