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Impact of Atmospheric Chemistry on Local Weather and Local Climate

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editor

This Special Issue, "Impacts of atmospheric chemistry on local weather and local climate", will call for submissions of papers that demonstrate original research that can overcome current gaps in understanding the interactions between atmospheric chemistry on the one hand side and local weather, and hence local climate, on the other. Review articles are also welcome. The topics will include, but are not limited to examining, the following: 1) the modification of urban weather/climate due to emission and/or air quality changes, 2) the impact of Arctic or other haze on local temperature and moisture conditions, 3) the impact of local scale emission-control measures on local weather/climate, 4) the relationship between different local chemical regimes and local weather, and 5) the impact of local indirect emission-control measures on the weather/climate in the adjacent downwind region. Studies analyzing data from air-quality modeling, monitoring networks, field experiments (ground-based, airborne), and remote sensing are equally welcome. Please send papers addressing climate forcing and/or global aspects to the regular issues of *Climate*.

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Special Issue