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## **Impact of COVID-19 on aerosol research**

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### **Abstract**

COVID-19 is an infectious disease caused by a novel coronavirus (nCoV). To slow down the COVID-19 pandemic, over 100 countries worldwide have implemented either a full or partial "lockdown" at a certain time period. The "lockdown" affects global human activities, economics, and the environment. This talk focuses on the COVID-19 related aerosol researches. A short summary of the current status of environment-related researches for COVID-19 is given. An analysis, of the impact of Chinese lock-down from 23 Jan to 8 April on aerosol optical properties, is performed using satellite observations, model simulations, and ground-based measurements.