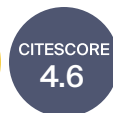




atmosphere



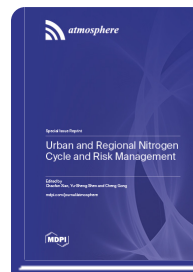
Special Issue Reprint

Urban and Regional Nitrogen Cycle and Risk Management

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The disturbance of urban and regional nitrogen cycles as a result of urbanization has many consequences, from the greenhouse effect and acid rain to eutrophication and reductions in biodiversity. The aim of this reprint is to immerse readers in the latest research on how risk management can address issues related to urban and regional nitrogen cycles. In the reprint, leading experts in the field share their research findings related to new developments and applications related to urban and regional N risk management on multiple scales (e.g., indoor laboratories, city blocks, cities, regions, etc.). The findings highlight the potential benefits of using model simulations, spatial analysis, and controlled experiments in studying N cycling; examples of relevant studies include the characterization of nitrogen and carbon coupling in the atmosphere, as well as risk analyses and potential policies for reducing pollution and carbon emissions. In sum, the reprint brings the reader on a journey to discover the full potential and range of different experimental and monitoring approaches and mathematical/numerical modeling methods related to risk management with respect to nitrogen pollution, in order to contribute to a future of urban and regional sustainability.



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