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# **Urban Geochemistry**

Guest Editors: W. Berry Lyons and Russell S. Harmon



# Why Urban Geochemistry?

W. Berry Lyons and Russell S. Harmon

ABOUT THE COVER: By 2025, over a billion people will be living in cities with populations of 5 million or more. Because of their high population densities and intense economic activity, urban areas have a huge environmental impact. Bangkok,

Thailand, grew rapidly in the 1980s, and skyscrapers now lie within historic neighborhoods.

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# **Legacy Problems in Urban Geochemistry**

Stefano Albanese and Domenico Cicchella



## Impact of Urban Development on Physical and Chemical Hydrogeology

Corinne I. Wong, John M. Sharp Jr., Nico Hauwert, Jeffery Landrum, and Kristin M. White



## **Hotbeds of Biogeochemical Diversity: Insights** from Urban Long-Term Ecological Research Sites

Daniel J. Bain, Rebecca L. Hale, and Wilfred M. Wollheim



#### **Urban Geochemistry and Human Health**

Gabriel M. Filippelli, Deborah Morrison, and Domenico Cicchella



### Greenhouse Gas Emissions at the Urban Scale

Francesco Bellucci, Jean E. Bogner, and Neil C. Sturchio



### **Environmental and Medical Geochemistry** in Urban Disaster Response and Preparedness

Geoffrey S. Plumlee, Suzette A. Morman, and Angus Cook

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