



## Sustainability and Urban Metabolism

Guest Editors:

**Dr. Massimo Palme**

School of Architecture, Catholic  
University of the North, 1240000  
Antofagasta, Chile

**Dr. Agnese Salvati**

Department of Architectural  
Technology, Barcelona School of  
Architecture, Polytechnic  
University of Catalunya, 08028  
Barcelona, Spain

Deadline for manuscript  
submissions:

**closed (31 March 2019)**

### Message from the Guest Editors

Achieving sustainable development will only be possible if cities efficiency increase flows management (water, energy, food, materials, information). This Special Issue focuses on the relationship between sustainable development goals and the metabolism of cities. Authors from different disciplines (architecture and urban planning, ecology, economy, and social sciences) are invited to submit their ideas about the challenge of improving the metabolic cycles of built environments. Both theoretical and applied research articles are welcome.

Suggested topics include (but are not limited to):

- Cities as dissipative structures
- Urban Heat Island
- Cities' energy management
- Information, entropy and the city
- Built environment and climate change
- The size of the city and the energy consumption
- Materials flows across the city
- Relation between the city and the country in food production
- Urban ecosystems
- Urban microclimate





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Steve W. Lyon**

School of Environment and  
Natural Resources, Ohio State  
University, Columbus, OH 43210,  
USA

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)