

Special Issue

Transformation of Cities: Toward Resilient and Antifragile Models

Message from the Guest Editors

Through the fast urbanization process of the last few decades, it clearly appears that cities, as centers of power, population, and economy growth, are at global scale unavoidable components of the needed transition toward environmental and social sustainability.

Furthermore, urban areas are particularly vulnerable to climate change and biodiversity losses, the consequences of which, such as air contamination, heat waves or water scarcity, severely impact citizens' well-being and health on a daily basis. In this context, the improvement of cities' resilience, i.e., their capacity to resist serious situations caused by eventual disasters while maintaining their functionality, and antifragility, i.e., their ability to thrive and improve with volatility and uncertainty, is fundamental. This Special Issue aims to examine urban strategies, opportunities, and technologies that could tackle these current challenges and explore ways of building stronger and resilient cities.

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