# Special Issue

# Optimizing Urban Green Space Ecosystem Services for Resilient and Sustainable Cities

## Message from the Guest Editors

Urban green spaces (UGSs), including parks, gardens, green roofs, and urban forests, serve as vital green infrastructure delivering essential ecosystem services (ESs). This Special Issue compiles cutting-edge research on quantifying, modeling, and optimizing UGS-derived ES to enhance urban sustainability. We explore innovative methodologies for evaluating ES, spatial mapping, and scenario analysis, alongside UGS design/management strategies to leverage synergies between services (e.g., cooling + flood control + recreation). Contributions cover diverse themes such as the following:

- ES Valuation and Modeling: Advanced techniques for measuring and mapping ES flow (e.g., carbon sequestration, air pollutant removal, and runoff reduction).
- Design and Management: Strategies to optimize UGS configuration, vegetation selection, and maintenance for maximal ES delivery.
- Climate Resilience: The effectiveness of UGSs in mitigating urban heat islands and managing stormwater.
- Socio-Ecological Synergies: The links between UGS, human health, well-being, equity, and community engagement.
- Policy and Planning Integration: Frameworks to embed ES assessment into urban land-use planning and policy decisions.

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## Deadline for manuscript submissions

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## Message from the Editor-in-Chief

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## Editor-in-Chief

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