# Special Issue

# Urban Vegetation and Ecology Monitoring Using Remote Sensing

### Message from the Guest Editor

Increasing urbanization, coupled with the impacts of climate change, has generated efforts to understand how
different urban landscape elements and their spatial composition affect the local environment. Urban greenery with its potential for carbon sequestration, air filtering, noise reduction, microclimate regulation, etc., provides a range of environmental and social services that benefit city residents and visitors. However, the quantification of such services requires detailed data and information about individual greenery elements, their structural characteristics, interaction with, and impact on the neighborhood. Different categories of remote sensing data at high spatial and spectral resolution offer great potential to identify
greenery elements, their properties, and an impact on the environment, e.g., surface/air town temperatures. The Special Issue seeks multidisciplinary contributions with innovative and original approaches in getting different
parameters of urban greenery from RS data on the scale of individual elements, their spatial configuration, and the relationships to the urban environment.

### Guest Editor

Dr. František Zemek
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### Deadline for manuscript submissions

closed (1 June 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/42267

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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

### Editor-in-Chief

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