# **Special Issue**

# Digital Twins and Artificial Intelligence for Smart Cities of the Sustainable Future

# Message from the Guest Editor

This Special Issue aims to explore innovative applications of digital twins and Al in urban environments, addressing key challenges in urban planning, infrastructure optimization, real-time monitoring, and data-driven decision-making to achieve sustainable urban development. Urban Digital Twins: exploring digital twin models for real-time monitoring, predictive maintenance, and enhanced decision-making in city management, AI for Smart Cities: investigating AI applications in traffic optimization, energy efficiency, environmental monitoring, and public service automation. Sustainability and Resilience: examining how AI and digital twins can support climate resilience, disaster response, and resource optimization to promote long-term urban sustainability. IoT and Big Data: highlighting the role of IoT sensors and big data analytics in enabling intelligent urban infrastructure and improving service delivery. Human-Centric Smart Cities: addressing ethical considerations, privacy concerns, and user-centered design for inclusive and responsible Al-powered urban solutions.

# **Guest Editor**

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# Deadline for manuscript submissions

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### Editor-in-Chief

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