Special Issue

Civil, Mechanical and Environmental Engineering—Sustainable Development Goals for the 21st Century

Message from the Guest Editor

This Special Issue aims to translate research into practice and aligns with the new "impact" section in Scopus, which highlights an author's scholarly influence. Focusing on the 17 sustainable development goals (SDGs) defined by the United Nations (https://sdgs.un.org/goals), it explores how engineering contributes to achieving "peace and prosperity for people and the planet." This SI examines engineering's role in advancing all 17 SDGs. It evaluates engineering projects by design, materials, workforce, social impact, and long-term benefits. For example, engineering creates sustainable infrastructure that improves access to resources, health, and education. Mechanical engineering optimizes resource use and reduces waste, supporting circular economies. Advances in materials science and resilient infrastructure address environmental issues, while environmental engineering integrates structures with nature. Carbon reduction innovations in industry aid climate action, and ethical practices promote economic and social inclusivity. This SI provides a platform for research from conferences where the (GE) has participated and welcomes external contributions.

Guest Editor

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Deadline for manuscript submissions

30 November 2026

Infrastructures

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 6.0

mdpi.com/si/222842

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