

Special Issue

Innovations in Self-Compacting and Polymer Concrete Research

Message from the Guest Editors

This Special Issue seeks to highlight cutting-edge advancements in the development, characterization, and application of self-compacting concrete (SCC) and polymer-based concrete systems. SCC, renowned for its superior workability and ability to self-consolidate without external vibration, continues to evolve through novel admixtures, recycled materials, and sustainable binder technologies. Polymer concrete (PC), with its enhanced durability, chemical resistance, and mechanical properties, is gaining traction in specialized infrastructure, repair systems, and high-performance environments. This Special Issue will explore interdisciplinary research bridging materials science, civil engineering, and environmental sustainability, including topics such as eco-friendly formulations, rheological optimization, nanotechnology integration, and lifecycle assessment. Contributions addressing smart concretes with self-healing, sensing, or 3D-printing capabilities are also encouraged.

Guest Editors

Dr. Muhammad Tahir Lakhia

Shenzhen International Graduate School, Tsinghua University,
Shenzhen, China

Dr. Yutao Guo

Shenzhen International Graduate School, Tsinghua University,
Shenzhen, China

Deadline for manuscript submissions

31 December 2025



Eng

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.2



mdpi.com/si/240498

Eng
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
eng@mdpi.com

mdpi.com/journal/

[eng](https://eng.mdpi.com)





Eng

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.2



[mdpi.com/journal/
eng](https://mdpi.com/journal/eng)



About the Journal

Message from the Editor-in-Chief

Eng (ISSN 2673-4117) is an international, peer-reviewed open access journal which publishes original papers, critical reviews, rapid communications, technical notes, and discussions on all areas of engineering.

Editor-in-Chief

Prof. Dr. Antonio Gil Bravo

INAMAT²-Departamento de Ciencias, Edificio de los Acebos,
Universidad Pública de Navarra, Campus de Arrosadía, 31006
Pamplona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, Ei Compendex, EBSCO and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q2 (Engineering (miscellaneous))