



Health Structure Monitoring for Concrete Materials, Volume II

Guest Editor:

**Prof. Dr. Maciej
Niedostatkiewicz**

Department of Concrete
Structure, Faculty of Civil and
Environmental Engineering,
Gdańsk University of Technology,
80-233 Gdańsk, Poland

Deadline for manuscript
submissions:

closed (10 January 2022)

Message from the Guest Editor

Dear Colleagues,

The present Special Issue aims to explore new trends in the field of health structure monitoring for concrete. Particular emphasis is placed on diagnostic tests of concrete structures conducted using the Acoustic Emission (AE) and other Nondestructive Testing (NDT) techniques.

The main theme of the number includes the following:

- using the AE method in assessing concrete quality;
- concrete characteristics carried out using techniques of the NDT;
- experimental tests of concrete structures on a laboratory scale and field tests;
- the design and analysis of concrete and reinforced concrete structures using numerical models in macro/meso/micro scale;
- the application of the Big Data (BD) technique to assess the safety of concrete structures;
- the design and diagnostics of concrete constructions using Machine Learning (ML).

Prof. Maciej Niedostatkiewicz
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)