# Special Issue

# The Evaluation and Characterization of Asphalt and Concrete

# Message from the Guest Editors

Asphalt and concrete have been the most widely used construction materials all over the world for decades. The continuous development of asphalt (e.g., polymermodified bitumen; additives that improve the properties of asphalt) and concrete technology (e.g., high-strength concretes and fibre-reinforced concrete) creates new possibilities for the design and utilization of structural members. Moreover, nowadays, the increasing challenge in the construction materials industry is to reduce its environmental impact, which can be achieved by reducing the cement content in mixtures by using warm-mix asphalt and secondary raw materials such as recycled aggregates or alternative binders. Since the knowledge of new possibilities, but also of limitations, is required, there is now an unabated interest in the investigation of asphalt and concrete materials. For these reasons, the aim of this Special Issue is to gather the latest findings from researchers to show the latest advances and trends in characterisation and evaluation of asphalt and concrete materials.

#### **Guest Editors**

Prof. Dr. Ireneusz Marzec

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

Prof. Dr. Marek Pszczola

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

# Deadline for manuscript submissions

closed (20 September 2023)



an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/118972

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

mdpi.com/journal/ materials





an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 6.4 Indexed in PubMed





# About the Journal

# Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
 Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

# **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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### **Journal Rank:**

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)