Special Issue

Application of Fuzzy Sets in Civil Engineering

Message from the Guest Editor

Construction industries throughout the world are challenged to improve their performance if they are to contribute fully to the achievement of economic prosperity, sustainable environments and healthy, fulfilled populations. One of the most important features differentiating construction from other industries is its complexity, as it involves a number of stages which must be appropriately adjusted and managed through different multi-aim decisions. Fuzzy logic has been increasingly applied to the research area of civil engineering in the last decade. Fuzzy research can be divided into two wide-ranging fields: (1) fuzzy set/fuzzy logic and (2) hybrid fuzzy techniques. These are applied in four main mays: (1) decision making, (2) performance, (3) evaluation/assessment and (4) modeling. The main objective of this theory is to represent inaccuracies existing in some expressions in a natural language. Many authors claim that combining the method of incomplete information with fuzzy set theory to represent inaccurate information can be used to describe the phenomena of the world more thoroughly and naturally.

Guest Editor

Prof. Dr. Edyta Plebankiewicz
Department of Construction Management, Cracow University of Technology, Warszawska 24 Street, 31-155 Cracow, Poland

Deadline for manuscript submissions

closed (20 July 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/192441

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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.

Editor-in-Chief

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)