# Special Issue

# Symmetry/Asymmetry in Fuzzy Multi-Criteria Decision-Making: Application in Management and Engineering

## Message from the Guest Editors

Modern approaches to solving multi-criteria decision-making (MCDM) problems usually indicate the existence of asymmetry in defining the weighting coefficients of the criteria, i.e., in the selection of alternatives. On the other hand, symmetry is rare and can usually be found when performing a sensitivity analysis of the model. Also, in research, it can be seen that many uncertainties accompany MCDM processes. Even though several areas that consider uncertainties have been developed, the most represented area remains fuzzy logic. In the last twenty years, fuzzy logic has been greatly expanded, and the initial classical fuzzy numbers have been modified to unrecognizable proportions. Despite the development of newer approaches, some authors stuck to the original fuzzy numbers, considering them sufficient for solving MCDM problems. The application of the fuzzy MCDM model is noticeable in many areas. This Special Issue focuses on applying fuzzy MCDM models in management and engineering, two often complementary fields.

## Guest Editors


Dr. Aleksandar Milić

Military Academy, University of Defence in Belgrade, Veljka Lukića Kurjaka 33, 11000 Belgrade, Serbia

Dr. Adis Puška

Department of Public Safety, Government of Brčko District of Bosnia and Herzegovina, Bulevara Mira 1, 76100 Brčko, Bosnia and Herzegovina


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

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### Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

### Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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