

Special Issue on

## **Multiple Criteria Decision Making in Health and Medicine**

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**Submission deadline: January 31, 2021**

A large number of researchers in operational research and decision sciences have investigated methods and procedures designed to solve problems in health and medicine with multiple and conflicting criteria. Multiple Criteria Decision Making (MCDM) or Multiple Criteria Decision Analysis (MCDA) is a sub-discipline of operations research with foundations in economics, management, mathematics, and psychology, and it is concerned with complex decision-making situations involving multiple and conflicting criteria, objectives, or attributes that have to be combined or aggregated in order to choose or rank between alternatives.

There are several examples of MCDM problems in health and medicine dealing simultaneously with criteria such as cost, economic efficiency, satisfaction, optimal performance, capacity management, disease management, location selection, patient scheduling, resource scheduling, and many others. Considering multiple and conflicting criteria leads to more informed and better decisions.

Topics of interest for this special issue include, but are not limited to, the following MCDM methods, techniques, models and their application to solve problems in Health and Medicine:

1. Multiple Criteria Decision Making
2. Multiple Criteria Decision Aid
3. Multiple Objective Optimization
4. Goal Programming
5. Fuzzy and Stochastic Multiple Objective Optimization
6. Fuzzy and Stochastic Goal Programming
7. Scheduling Problems
8. Facility Management
9. Disease and Pandemics Management
10. Capacity Planning
11. Logistics and Supply Chain

### **Submission Instructions**

The papers must conform with the Editorial Policy of the Journal of Multi-Criteria Decision Analysis (see <https://onlinelibrary.wiley.com/page/journal/10991360/homepage/productinformation.html>).

This special issue is linked with but not restricted to papers presented at the 2020 International Conference on Decision Aid Sciences and Applications, 8-9 November 2020.

Submission: Authors should prepare their paper following the Instructions to Authors available on the Internet site of the journal. They must submit it via the Journal of MultiCriteria Decision Analysis online submission site <https://mc.manuscriptcentral.com/mcda>

**Deadline for Submissions: January 31, 2021.**

When submitting, it is important to check the box indicating the submission is for a special issue, and to indicate the topic of the issue as "DASA 2020".

The papers will undergo a thorough refereeing process, like papers submitted to regular issues. The Journal of Multi-Criteria Decision Analysis is indexed in Scopus and the Emerging Sources Citation Index of the Web of Science (Clarivate Analytics). For more information about this special issue, please contact the guest editor at the following e-mail address: [davide.latorre@skema.edu](mailto:davide.latorre@skema.edu)