



## Advanced Decision Making in Clinical Medicine

Guest Editors:

**Prof. Kiril Tenekedjiev**

Australian Maritime College  
(AMC), National Centre for  
Maritime Engineering and  
Hydrodynamics (NCMEH),  
University of Tasmania (UTAS),  
Launceston, TAS 7248, Australia

**Prof. Dr. Mike Calford**

Hunter Medical Research  
Institute, Locked Bag 1000, New  
Lambton, NSW, Australia

Deadline for manuscript  
submissions:

**20 October 2024**

### Message from the Guest Editors

In this Special Issue, we want to address recent advances in the following key areas:

- Developments and applications in evidence-based medicine concepts and procedures;
- Data analytics advances in medical treatment decisions;
- Risk management in medical decisions;
- Diagnostics for better treatment and optimal medical outcomes;
- Application of intelligent methods to medical decision making;
- Modelling and simulation in medical decision making;
- Policy developments for evidence-based medicine;
- Data, knowledge and decisions for better health services and health practices;
- Research to recognize underlying relationships or develop diagnostic and therapeutic solutions based on interdisciplinary approach combining biomedical and bioinformatics tools (big data analysis, artificial intelligence, decision trees, neural networks).

We wish to see this Special Issue making significant contribution and serve as inspiration for future developments in medical decision support.

Open for Submissions: [https://www.mdpi.com/journal/applsci/special\\_issues/advanced\\_decision\\_making\\_in\\_clinical\\_medicine](https://www.mdpi.com/journal/applsci/special_issues/advanced_decision_making_in_clinical_medicine)





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

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)