

Special Issue

New Challenges and Future Perspectives in the Treatment of Central White Matter Pathologies

Message from the Guest Editors

In this Special Issue, we encourage researchers to offer papers summarizing the state of the art and the main challenges in the field of diseases that directly affect the white matter. We also encourage contributions that delve into future prospects and outline developments that this field will experience in the upcoming years. Relevant research areas are as follows:

- What significant breakthroughs have shaped our understanding?
- What challenges demand immediate attention?

We welcome all types of manuscripts published by the journal, which comprise original research articles, methodologies, brief research reports, reviews, and perspectives related to this wide field of neurobiology.

Guest Editors

Prof. Dr. Mario Valentino

Department of Physiology and Biochemistry, University of Malta, 2080 Msida, Malta

Dr. Christian Zammit

Department of Anatomy, Faculty of Medicine and Surgery, University of Malta, 2080 Msida, Malta

Deadline for manuscript submissions

closed (30 September 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/188692

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

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

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