



Hearing Loss: From Pathophysiology to Therapies and Habilitation

Guest Editors:

Prof. Dr. Ronen Perez

1. Shaare Zedek Medical Center
and Faculty of Medicine, Hebrew
University of Jerusalem,
Jerusalem 91031, Israel

2. Director, Otology Unit and
Cochlear Implant Center, Shaare
Zedek Medical Center, Jerusalem
91031, Israel

3. President of the Israeli Society
of Otoneurology

Prof. Dr. Liat Kishon-Rabin

1. Department of
Communication Disorders,
Steyer School of Health
Professions, Sackler Faculty of
Medicine, Tel Aviv University, Tel
Aviv-Yafo 6997801, Israel

2. Dean of Innovation in Teaching
and Learning, Tel Aviv University,
Tel Aviv-Yafo 6997801, Israel

3. President of the European
Federation of Auditory Societies
(EFAS)

Deadline for manuscript
submissions:

closed (30 April 2024)



mdpi.com/si/86117

Message from the Guest Editors

Dear Colleagues,

While hearing loss is considered one of the most common disabilities, science and technology have provided us with means to reduce its debilitating effects. Understanding the pathophysiology of hearing, along the auditory pathways from the ear to the brain, has enabled us to successfully manage hearing loss. Management includes audiological, medical and surgical therapy, a variety of auditory implantable devices and different habilitation protocols. Cochlear implants, bone-anchored hearing aids, middle-ear implants and auditory brainstem implants are examples of effective interventions for restoring hearing (to different degrees). Of these, cochlear implants are the most viable option for individuals with severe–profound sensorineural hearing loss who do not benefit from hearing aids, providing excellent functional results. However, even with cochlear implants, there is much to unravel and a need for improvement.

This Special Issue aims to bring together knowledge from different disciplines that will allow the integration and a broad view of this multifaceted pathology. We invite submissions of manuscripts relevant to the aforementioned topics.



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

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

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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