

Special Issue

A Window into Hearing: Current Applications and Optimization of Otoacoustic Emissions

Message from the Guest Editors

Otoacoustic emissions (OAEs) are used to assess inner ear function across the lifespan. There are many applications for OAEs including, but not limited to, differential diagnosis, monitoring, and screening. Emerging applications in specialized clinical patients to population health opportunities drive the need for optimization of this tool. As the applications of OAE measures expand, there is a critical need to translate research findings into practice. Given the relative ease of acquiring OAE measurements, this metric of cochlear health is becoming widespread beyond those that specialize in auditory function. For these reasons, a resource for the measurement and interpretation of OAE results for clinical populations is essential. Papers addressing OAEs as metrics for sites of lesion testing, including auditory neuropathy spectrum disorder, tinnitus, virus detection, intracranial pressure, efferent function, and hearing genomics, monitoring for use in clinical trials, solvent, noise, and/or ototoxic drug exposure, as well as screening applications from newborns through school-aged children to adulthood are all welcome for this Special Issue.

Guest Editors

Dr. Laura Dreisbach
Dr. Gayla L. Poling
Dr. Shawn S. Goodman

Deadline for manuscript submissions

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

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture, Adelaide University, Adelaide 5001,
Australia

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