Neuroscience and Technology Based Approaches for Education

Guest Editors:

Dr. Carlos Trenado
Institute of Clinical Neuroscience and Medical Psychology, Heinrich Heine University, 40225 Dusseldorf, Germany

Dr. Diane Ruge
Unit of Functional Neurosurgery, UCL Queen Square Institute of Neurology, University College London, WC1E 6BT, London, UK

Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

The debate around whether neuroscience can contribute and translate to the successes of education has been ongoing, but fruitful exchange between neuroscience and education is slow. Recent studies have emphasized the importance of offering teachers and educators neuroscience-based knowledge which is relevant to teaching and learning, as well as the positive impact of such knowledge in improving the success and wellbeing of students.

The application of modern technologies, including, for instance, virtual and augmented reality, human–computer interaction, neurofeedback, neuromodulation, and artificial intelligence, in combination with education, didactics, medicine, psychology, and neuroscience principles, offers the possibility to improve learning strategies while also providing new ways to monitor and assess their effects in a customized fashion.

We invite researchers from different fields to submit their original work, reviews, perspectives, and hypotheses to this Special Issue. In particular, we encourage an open discussion concerning all points of view pertaining to the emerging field of neuroscience in education.

Special Issue

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation, Richard Dixon Research Center, Morgan State University, 1700 E. Cold Spring Lane, Baltimore, MD 21251, USA

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.
Journal Rank: CiteScore - Q1 (Public Health, Environmental and Occupational Health)

Contact Us