



## **Integrated Sports Dentistry, Nutrition and Rehabilitation: Biomarkers to Detect Sports Injuries and Performance**

Guest Editors:

**Dr. Giuseppe Messina**

Department of Psychological,  
Pedagogical and Human  
Movement Sciences, University of  
Palermo, 90144 Palermo, Italy

**Dr. Patrizia Proia**

Department of Psychology,  
Educational Science and Human  
Movement, University of  
Palermo, Via Giovanni Pascoli 6,  
90144 Palermo, Italy

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### **Message from the Guest Editors**

Dear Colleagues,

The "Integrated Sports Dentistry" branch includes both injuries from direct trauma during activity in contact sports and the evaluation of gnathological, orthodontic, and postural problems in athletes of various levels, and any integrated rehabilitation that must comply the equilibrium conditions of the tonic–postural system. From a neurophysiological point of view, it is ascertained that there is a bilateral cortical representation of the oral region, and each dental element is represented in a three-dimensional way. Information coming from edentulous areas or in conditions of malocclusion puts cortical projection areas at a synaptic disadvantage compared to adjacent areas, which run the task of making up for absent and/or deficient information through the phenomenon of cortical plasticity. This Special Issue aims to give a clear view of the state of the art on the relationships between the stomatognathic receptor and myoneuropostural balance in sports subjects of various levels, for the prevention of injuries and for adequate integrated rehabilitation.





an Open Access Journal by MDPI

## 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, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Public Health, Environmental and Occupational Health)

## Contact Us

---

*International Journal of  
Environmental Research and Public  
Health* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijerph  
ijerph@mdpi.com  
X@IJERPH\_MDPI