

# Special Issue

## Biomechanics and Bioengineering in Dental Sleep Medicine

### Message from the Guest Editors

This Special Issue titled "Biomechanics and Bioengineering in Dental Sleep Medicine" aims to explore the intersection of engineering innovation and clinical practice in the management of sleep-related breathing disorders using dental approaches. This Special Issue welcomes original research articles and reviews that investigate topics such as the mechanics of mandibular advancement devices, the computational modeling of craniofacial structures, material science applications, sensor integration, and personalized treatment planning. Contributions that bridge the gap between engineering research and clinical outcomes are particularly encouraged. By bringing together multidisciplinary perspectives, this Special Issue seeks to highlight innovation in the diagnosis, treatment, and monitoring of sleep-disordered breathing from a dental point of view.

---

### Guest Editors

Dr. Giovanni Bruno

Department of Neuroscience, University of Padua, 35122 Padova, PD, Italy

Dr. Alberto De Stefani

Department of Neuroscience, University of Padua, 35122 Padova, PD, Italy

---

### Deadline for manuscript submissions

31 December 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/238342](https://mdpi.com/si/238342)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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





# 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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