

## Special Issue

# The Oral Microbiome in Periodontal Health and Disease

### Message from the Guest Editor

The oral microbiome is a community consisting of about 500 commensal, symbiotic and pathogenic bacterial species. A change in the balance of the oral microbiota leads to the development of oral diseases such as dental caries, and periodontal and peri-implant diseases and conditions. It is also associated with the development of systemic diseases, bacterial endocarditis, pneumonia and stroke. Numerous research studies have focused on dental biofilm—from microbiology (in vitro and in vivo studies) to clinical practice (RCTs or other clinical trials)—but there remain various aspects of dental biofilm that have not been well investigated and explained. This Special Issue will be focused on the oral microbiome in periodontal health and disease.

---

### Guest Editor

Prof. Dr. Davor Kuiš

1. Department of Periodontology, Faculty of Dental Medicine, University of Rijeka, Rijeka, Croatia
2. Department of Dental Medicine, Faculty of Dental Medicine and Health Osijek, J.J. Strossmayer University of Osijek, 31 000 Osijek, Croatia

---

### Deadline for manuscript submissions

closed (20 January 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/179532](https://mdpi.com/si/179532)

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

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

[applsci](https://applsci)





# 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, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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