



## Recent Advances in Salivary Gland and Their Function

Guest Editor:

**Prof. Dr. Sang-Gun Ahn**

Department of Pathology, School  
of Dentistry, Chosun University,  
309 Pilmun-daero, Dong-gu,  
Gwangju 61452, Republic of  
Korea

Deadline for manuscript  
submissions:

**closed (31 May 2021)**

### Message from the Guest Editor

Salivary gland dysfunctional changes occur with reduced salivary flow and dry mouth (xerostomia) and commonly involve oral dysfunction, tooth structure deterioration, and infection through reduced salivation. Anatomically, aging induces atrophy of acinar cells (ACs) and replacement of normal gland parenchyma with adipose tissue, connective tissue, and oncocytes. Recently, numerous medical drugs and treatments (radiation, chemotherapy) have been shown to significantly contribute to salivary gland dysfunction. Although changes associated with salivary gland dysfunction are affected by multiple factors, such as the environment, not all changes are considered to be physiological, and how aging influences the function of salivary glands is unclear.

This Special Issue discusses the mechanism of aging–salivary gland disorder, and new entities, such as functional regeneration of the salivary gland. Furthermore, we provide an overview of new advances in the diagnostic, prognostic, and therapeutic implications of aging and the salivary gland.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. José L. Quiles

Department of Physiology,  
Institute of Nutrition and Food  
Technology “Jose Mataix”,  
Biomedical Research Center,  
University of Granada, Avda.  
Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

## 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), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI