



## Calcification in Human Pathology

Guest Editors:

**Prof. Dr. Elena Bonanno**

**Dr. Virginia Tancredi**

**Dr. Manuel Scimeca**

**Dr. Rita Bonfiglio**

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Calcifications are mineral deposits accumulated in several human tissues that are often associated with the occurrence and development of diseases, such as cancer and/or inflammation. Recent studies have demonstrated that the formation of calcifications in human tissues, i.e., breast and prostate cancer, can be triggered by biological processes related to the epithelial to mesenchymal transition phenomenon. Therefore, the presence of microcalcifications could be considered an end-point sign of biological processes involved in human diseases. In spite of the relevant role of microcalcifications in early detection of some human diseases, and their proposed activities in modulating cell behavior, little is known about their chemical composition or how this relates to pathology. Topics will include (but are not limited to):

Biological mechanisms related to the formation of calcifications; Identification of cells involved in ectopic calcifications; Prognostic value of calcifications; Elemental composition of calcifications; Cardiovascular, breast, prostate and kidney calcifications; Calcifications as a sign of tissue osteotropism.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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