



## Morphology and Physiology of Seeds and Other Plant Storage Tissues

Guest Editors:

**Dr. Elsa Arcalis**

Department of Applied Genetics and Cell Biology, University of Natural Resources and Life Sciences, 1190 Vienna, Austria

**Prof. Dr. Eva Stoger**

Department of Applied Genetics and Cell Biology, University of Natural Resources and Life Sciences, 1190 Vienna, Austria

Deadline for manuscript submissions:

**closed (15 August 2021)**

### Message from the Guest Editors

Dear Colleagues,

Seeds and other storage organs accumulate, in a relatively small volume, high amounts of reserves needed for germination. The specialization of seed tissues for the storage of starch or lipids and proteins makes them very attractive from a cell biology point of view. Moreover, the importance of seeds as human feedstock points out the relevance of research on agricultural trait improvement and stress resistance.

This Special Issue of the *International Journal of Molecular Sciences* will focus on recent research on the morphology and physiology of seeds and other plant storage tissues. Potential topics include endomembrane trafficking, storage organelle development, analysis of storage compounds, starch and oil body biogenesis, and seed trait improvement.

Prof. Dr. Eva Stoger  
Dr. Elsa Arcalis  
*Guest Editors*





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