Special Issue

Protein Quality Controlling Systems in Plant Responses to Environmental Stresses

Message from the Guest Editor

As sessile organisms plants face many challenges to cope with daily and seasonal environmental changes. Proper coordination of developmental and physiological processes in response to sudden or long-term changes at their growing site is crucial. A key to guarantee that plants not only survive under environmental stresses, but also thrive and reproduce, is proper protein quality control and regulation, such as molecular chaperones and proteases. These systems verify the current functional status, proper folding, post-translational processing, and ensure degradation and recycling of proteins throughout organisms. This special topic is calling for primary research articles or reviews that focus on current novel developments and applications that highlight these protein controlling systems and their impact for plant survival under environmental stresses. For further information, please visit the Special Issue website.

Guest Editor

Prof. Dr. Hanjo Hellmann
Plant Stress Physiology, School of Biological Sciences, Washington State University, Pullman, WA 99163, USA

Deadline for manuscript submissions

closed (31 October 2022)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/75379

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/journal/cells

About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny
Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).