

Special Issue

Understanding the Photosynthesis Process Using Chlorophyll Fluorescence

Message from the Guest Editor

Photosynthesis is the most important process on Earth, not only for plants but for all living organisms. Understanding the nature of this process is crucial because only by understanding photosynthesis can we control it. Many methods have been used at different structural, functional, and spatial levels to better understand the mechanisms that determine the performance of photosynthetic apparatus, especially under unfavorable growth conditions. Currently, chlorophyll fluorescence measurement is considered to be one of the most prevalent tools used in this area. The objective of this Special Issue of *Cells* is to review the current state of understanding and highlight recent advances in the process of photosynthesis at the cellular level. Original research and review papers related to the photosynthesis process at the cellular level are greatly appreciated. The 10 manuscripts accepted first will have a 50% discount on the Article Processing Charge (APC), i.e., the author will pay only 1000 CHF (instead of 2000).

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2022)



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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.

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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 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).