

Special Issue

Evaluation of the Properties and Effectiveness of Nutritional Factors Using In Vitro Assays, Including Cell Cultures and Organoids

Message from the Guest Editors

The use of cell cultures and organoids enables a more detailed and mechanistic understanding of nutrient–cell interactions, allowing researchers to examine changes in gene expression, protein production, and enzyme activity in response to nutritional stimuli. Furthermore, in vitro models offer the advantage of high-throughput screening, allowing for the rapid evaluation of numerous compounds and concentrations to identify those with the most promising bioactivity. While in vitro results may not always perfectly translate to in vivo outcomes, they provide essential preliminary data for prioritizing and designing subsequent animal studies and human clinical trials, ultimately contributing to the development of evidence-based nutritional recommendations and targeted interventions

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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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