



*cells*



an Open Access Journal by MDPI

## Alcohol-Induced Tissue and Organ Damage: Mechanisms and Therapeutic Approaches

Guest Editor:

**Prof. Dr. Wayne Carver**

Department of Cell Biology and Anatomy, University of South Carolina School of Medicine, Columbia, SC 29209, USA

Deadline for manuscript submissions:

**closed (10 October 2023)**

### Message from the Guest Editor

Alcohol is a psychoactive substance that continues to be widely used in many cultures. Acute or chronic consumption of excessive levels of alcohol contributes to numerous pathological conditions. Chronic abuse of alcohol can result in alcoholic hepatitis and liver cirrhosis, pancreatitis, cardiomyopathy, brain damage, cancer, immune system defects, fetal abnormalities and other conditions. Alcohol and its metabolites alter cellular functions through changes at the levels of nucleic acids, proteins and general metabolism resulting in deleterious tissue remodeling. Emerging evidence indicates that some common mechanisms may underlie alcohol-induced tissue damage including oxidative stress, inflammation and apoptotic pathways.

The aim of this Special Issue of Cells is to present the current knowledge of alcohol-induced tissue damage through thorough reviews and primary research articles. Manuscripts broadly focused on the effects of alcohol on diverse systems and the various cellular and molecular mechanisms of this response are invited. Translational studies, including those focused on novel therapeutics, are particularly welcome.



[mdpi.com/si/141415](https://mdpi.com/si/141415)

**Special Issue**



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

### **Dr. Alexander E. Kalyuzhny**

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

### **Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

## 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.

## 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](#), [MEDLINE](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

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

## Contact Us

---

*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)