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

Guest Editor:

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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.



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Special Issue



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