



Oxidative Medicine and Cellular Longevity

Special Issue on **Redox- and Inflammation-Driven Fatty Liver Disease and Therapies**

CALL FOR PAPERS

Fatty liver disease, both alcoholic and nonalcoholic, plays a significant role in worldwide morbidity and mortality, causing preventable deaths and substantive costs to society. Abuse of alcohol and its related issues as well as the nonalcoholic pathologies due to liver damage result often in clinical complications. Damaged liver is known to cause several systemic and local immunological changes leading to increased morbidity and mortality. The underlying pathophysiology depends on the cause of liver disease mostly including oxidative stress mechanisms and redox imbalance. Moreover, the secondary insult (i.e. hemorrhagic shock, sepsis, burns, and infections) determines the outcome. Due to numerous involved mechanisms, the therapeutic window is narrow, indicating the need not only for the better understanding of the underlying pathophysiology but also for the alternative or additive therapeutic options within different settings of acute inflammation and oxidative stress in liver disease.

We invite investigators to contribute original research articles as well as review articles that will encourage the continuing efforts to understand the molecular pathology underlying the correlation between oxidative stress and the onset as well as modulation of the inflammation by alcoholic and nonalcoholic (fatty) liver disease, both systemically and locally in the liver, lung, gut, kidney, skin, brain, and other organ systems as well as clinical outcomes. Particularly, we are interested in basic research articles from in vivo but also in vitro as well as clinical studies that provide further insights into pathophysiologic mechanisms of redox- and inflammation-driven organ injury, signalling cascades and new interventional approaches.

Potential topics include, but are not limited to:

- ▶ Developments of new animal models to study both alcoholic and nonalcoholic fatty liver disease
- ▶ Studies that uncover comorbidities of fatty liver disease, including cancer, coagulation, and complement activation
- ▶ Approaches that elucidate oxidative/inflammatory mechanisms as initiators/mediators of fatty liver disease
- ▶ Role of oxidative stress in liver injury
- ▶ Studies to modulate oxidative/inflammatory changes by different agents

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/omcl/flid/>.

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First Round of Reviews

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