

Special Issue on
**Nonalcoholic Fatty Liver Disease: Recent Advancements
from Bench to Bedside**

CALL FOR PAPERS

Nonalcoholic fatty liver disease (NAFLD) comprises a spectrum ranging from benign fatty liver/steatosis to nonalcoholic steatohepatitis (NASH), cirrhosis, and hepatocellular carcinoma (HCC). NAFLD is estimated to occur in 15% to 40% of obese adults worldwide. Given the rapid rise in the number of individuals who have NAFLD, NASH has become the fastest growing indication for liver transplants.

Currently, the precise pathogenesis and the mechanisms for the transcriptional and cellular signaling changes observed in various stages of NAFLD are not fully understood. Epigenetic changes such as histone acetylation can modulate specific transcriptional pathways dysregulated in NAFLD such as lipid metabolism, carbohydrate metabolism, insulin signaling, mitochondrial damage, redox homeostasis, and the release of inflammatory cytokines. Several nuclear receptors and transcription factors (PPAR- γ , LXR, FXR, SREBP1c, CHREBP1, FOXO1, FOXO4, PGC1 α , etc.) have also been implicated in the pathogenesis of NAFLD. This special issue on the NAFLD and recent advancements in basic research and clinical understanding will provide a comprehensive knowledge about what is going on in this field.

Potential topics include but are not limited to the following:

- ▶ Metabolic regulation of NAFLD
- ▶ Genetic and epigenetic regulation of NAFLD
- ▶ Role of nuclear receptors in NAFLD
- ▶ Redox regulation in NAFLD
- ▶ Role of autophagy in NAFLD
- ▶ Clinical advancements in NAFLD

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