

# Tentative Outline

## Current Molecular Medicine

### Therapeutic Advances in the Treatment of Liver Diseases

*Guest Editors: Dr. Ravirajsinh Jadeja., Ph.D*

**Scope of the Thematic Issue:** Worldwide, liver diseases are major causes of morbidity and mortality imposing great healthcare burden. In U.S., liver diseases as a group is the seventh leading cause of death. Etiologies underlying liver diseases include but are not limited to alcohol abuse, obesity and viral infections. In recent years, understanding of mechanisms of liver injury resulted in advancement of treatment options. In disease and injury models, use of stem cells, miRNA silencing, phytochemicals have shown promising results in reducing liver diseases. However, our understanding of liver injury continues to evolve and novel aspects continue to emerge. We invite investigators to submit review articles in regards to therapeutic advances in the treatment of liver diseases.

**Keywords:** Oxidative stress, Cirrhosis, acute liver failure, antioxidants.

#### Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Clinical reports on oxidative stress biomarkers for liver diseases
- Mechanisms for oxidative stress-mediated acute and chronic liver injury
- Clinical evidences on antioxidants as therapeutics in regulating liver injury
- Identification of new therapeutic targets for treating liver diseases
- MicroRNA-mediated therapeutic approach for the regulation of liver injury
- Complementary and alternative therapies to reduce liver injury
- Recent advances in liver stem cell therapy
- Inflammation induced liver injuries and their therapy
- Gut microflora-liver crosstalk in hepatic diseases and therapy

#### Schedule:

- ✧ Thematic issue submission deadline: Dec 2020

#### Contacts:

*Guest Editor Name: Dr. Ravirajsinh Jadeja*

*Affiliation: Department of Biochemistry and Molecular Biology, Augusta University, Augusta, GA 30912, USA.*

*Email: [rjadeja@augusta.edu](mailto:rjadeja@augusta.edu)*