

# CALL FOR PAPERS

Lipids are common components of food and usually perform essential roles. Their types may be more important with regard to health and disease than their amount. As lipids form an important constituent of all cell membranes, and cellular constituents, they have critical effects on the interaction of the cell with its immediate environment and the way the messages are received and processed by cells in the body. By regulating cell membrane structure and function, lipids are known to influence the actions of multiple hormones, peptides, and drugs. The emerging field of lipid research is expected to have a great impact on the future of health care. More understanding of the role of lipids in health and diseases can help to avoid many systemic, neurological, and cardiovascular diseases. By emphasizing the clinical relevance of the work on lipids, this special issue aims to bridge the gap between the experimental and the clinical research and highlight the importance of translational medicine in the field of lipid research.

In this special issue, we encourage the submission of high quality manuscripts covering the recent strides made in the field of lipid research and lipotoxicity. The present millennium has witnessed great progress in the methods used for study of biomolecules and their pathological influences. Several lipid components and novel lipid-biological contributions to diseases have been identified and the understanding of the role of lipids in ensuring healthy physiological states has been advanced. With this progress in view, this special issue will cover advances in lipid research in obesity, diabetes, cardiovascular diseases, and other lipid related disorders including those investigating problems of lipotoxicity. Moreover impact of lipotoxicity on gut microbiota and gut-brain axis is highly encouraged as new research interest that might help in the prevention of many diseases through the use of probiotics, prebiotics, and symbiotics.

Major criteria for acceptance of articles are new insights into lipids research in lipid related disorders and the effect of lipotoxicity and glucolipotoxicity on the liver, kidneys, heart, skeletal muscle, and other tissues. All submitted manuscripts should not have been published previously nor be under publication in any journal. All manuscripts are refereed through a peer-review process to improve their quality and scientific merit.

Potential topics include but are not limited to the following:

- ▶ Role of lipids in health and diseases
- ▶ Lipotoxicity of liver, pancreas, brain, and heart
- ▶ Lipid mediators and neurological disorders
- ▶ Etiological, diagnostic, and therapeutic aspects of lipid related disorders

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jl/alm/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

## Lead Guest Editor

Afaf El-Ansary, King Saud University,  
Riyadh, Saudi Arabia  
[elansary@ksu.edu.sa](mailto:elansary@ksu.edu.sa)

## Guest Editors

Arjumand Warsy, King Saud University,  
Riyadh, Saudi Arabia  
[aswarsy@ksu.edu.sa](mailto:aswarsy@ksu.edu.sa)

Maha Daghistani, King Saud University,  
Riyadh, Saudi Arabia  
[mdaghestani@ksu.edu.sa](mailto:mdaghestani@ksu.edu.sa)

Sergey Suchkov, I.M. Sechenov First  
Moscow State Medical University,  
Moscow, Russia  
[ssuchkov57@gmail.com](mailto:ssuchkov57@gmail.com)

Malak Kotb, University of North  
Dakota, Grand Forks, USA  
[malak.kotb@med.und.edu](mailto:malak.kotb@med.und.edu)

Sonya S. Abdel-Razeq, Yale University,  
New Haven, USA  
[sonya.abdel-razeq@yale.edu](mailto:sonya.abdel-razeq@yale.edu)

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