

## Special Issue

# Vitamin D, Immunity Function and Chronic Liver Disease

### Message from the Guest Editors

Vitamin D is a secosteroid that has a wide spectrum of immunomodulatory, anti-inflammatory antifibrotic, and antioxidant actions. Expression of inflammatory cytokine could be inhibited by vitamin D and its insufficiency was associated with overexpression of Th1 cytokines. Low circulating levels of vitamin D have been detected in patients with autoimmune and non-autoimmune chronic liver diseases and diverse autoimmune diseases that are not primarily liver-related. Low-serum vitamin D levels have correlated with the severity of inflammatory activity, and they have predicted poor outcomes in several liver and non-liver diseases. Epidemiological studies have reported that vitamin D deficiency is associated with viral respiratory tract infections and acute lung injury, including coronavirus disease 2019 (COVID-19).

The goals of this special section are to describe the homeostatic mechanisms that modulate vitamin D production and action, indicate the properties of vitamin D that might affect the severity and outcome of infections and chronic liver disease, and examine the implications of vitamin D deficiency and the investigational opportunities that might improve its management.

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### Deadline for manuscript submissions

closed (5 November 2021)



## Nutrients

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*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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