

Special Issue

Beneficial Effects of Therapeutic Nutrition—New Insights from Advanced Cell Systems

Message from the Guest Editor

Advanced cell systems including organoids and organs-on-chips have shown the ability to recapitulate the function and physiology of organ systems, including the intestine. Accordingly, development of these models provides new opportunities to study the physiological responses of organ systems during health, disease and development. In addition, such advanced cell systems have been successfully employed to test pharmaceutical interventions. Within this context, organoids and organ-on-chip models are increasingly used to test, among others, the uptake, transport and metabolism of nutritional components and to study their role in the prevention and maintenance of intestinal health. This Special Issue welcomes original laboratory works, clinical studies, drug trials, case studies and (systematic) reviews focusing on advanced cellular systems in the context of nutritional research. Potential topics include, but are not limited to, the following: Cell systems, nutritional interventions and intestinal barrier loss, malabsorption, immune responses, responses of the intestinal epithelium and the influence of pathogenic stimuli.

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Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

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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