

Special Issue

Protein Metabolism and Musculoskeletal Health

Message from the Guest Editor

Development but also maintenance of skeletal muscle mass and function is characterized by continuous muscular remodeling involving protein synthesis (anabolism) and degradation (catabolism). Especially in old age and illness, the modulation of these processes by nutrients and exercise has gained great importance. Although this topic has been addressed scientifically many times, there is still a lack of knowledge to efficiently intervene and maintain musculoskeletal health over the lifespan. Therefore, we are especially interested in state-of-the-art original research articles, systematic reviews, and meta-analyses that address the impact of nutrients on muscle protein metabolism. Thereby, the focus can be on specific food ingredients, supplements, or habitual diet. Muscular outcomes shall include molecular, physiological, and functional data but may also include imaging or histological techniques involving humans and animal and cell culture models. Articles dealing with interactions of various cell types, tissues, and organs (i.e., immune muscle or connective tissue muscle) are highly welcome.

Guest Editor

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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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