

Special Issue on
**Branched Chain Amino Acids Intake: Implications for
Health and Sports Performance**

CALL FOR PAPERS

BCAA consumption is increasing in the population due to the strong appeal of the food supplement industry. While the literature demonstrates few ergogenic effects related to sports performance, the industry constantly encourages consumption directing its effects for increasing skeletal muscle mass, preventing muscle protein catabolism, and even supporting sports performance. On the other hand, science has demonstrated that BCAA supplementation/intake has great therapeutic potential in several pathological conditions. Therefore, it is of utmost importance that research groups submit their studies to clarify the actual application of BCAA supplementation/intake for therapeutic and/or ergogenic purposes and, if possible, showing the molecular and biochemical mechanisms that elucidate such applications. At present, we know that there are several research groups in the various continents that have an interest in this topic and could contribute both original data and relevant bibliographic reviews.

Potential topics include but are not limited to the following:

- ▶ The relation of BCAA and skeletal muscle protein turnover
- ▶ Therapeutic effects of BCAA supplementation on disease-induced skeletal muscle atrophy
- ▶ Implication of BCAA supplementation on sarcopenia
- ▶ Interaction between BCAA and insulin resistance on inflammatory conditions (i.e., obesity)
- ▶ Ergogenic effects of BCAA supplementation on skeletal muscle mass and aerobic/anaerobic performance
- ▶ Molecular targets of BCAA on the control of skeletal muscle protein turnover

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

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

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