

## Special Issue

# The Effects of High-Intensity Training Variations on Biomechanics, Physiology, Biochemistry and Performance in Athletes

### Message from the Guest Editors

Dedication to exercise often incorporates high-intensity training (HIT) variations into people's periodization plans to maximize health benefits and performance in physical activity trainees and athletes, respectively. Common HIT variations include high-intensity interval training (HIIT), sprint intensity interval training (SIIT), repeated sprint training (RPT), and ultra-short race-pace training (USRPT), among others. These variations differ in volume, interval duration, intensity, repeatability, etc. Therefore, utilizing precise training regimens tailored to the specific needs for promoting health or performance improvement is becoming the gold standard for coaching science. By exploring the intricate relationship between HIT and various training factors, this Special Issue aims to offer guidance to experts on how they will manage their training periodization. We encourage you to submit original research articles, reviews (narrative, scoping, systematic, and meta-analysis), and case studies to further our collective understanding of this critical area. We look forward to receiving your valuable research.

### Guest Editors

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### Deadline for manuscript submissions

25 August 2025



## Sports

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## About the Journal

### Message from the Editor-in-Chief

*Sports* (ISSN 2075-4663) is a peer-reviewed scientific journal that publishes original articles, critical reviews, research notes and short communications in the interdisciplinary area of sport sciences and public health. It links several scientific disciplines in an integrated fashion, to address critical issues related to sport science and public health. The journal presents diverse original articles, including systematic and narrative reviews, cohort and case control studies, innovative randomized trials, and formative research using qualitative and quantitative methods with the aim to provide information for researchers to plan intervention programs. It addresses diverse public health, physical activity and exercise science topics.

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### Editor-in-Chief

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