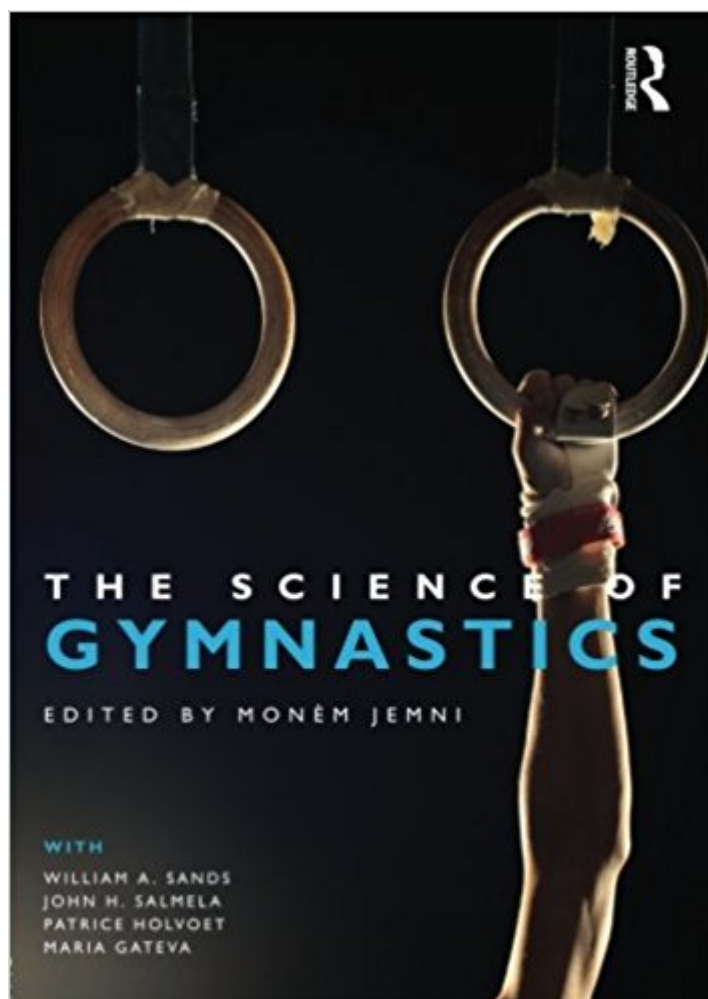


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# The Science Of Gymnastics



## Synopsis

The Science of Gymnastics is a comprehensive and accessible introduction to the fundamental physiological, biomechanical and psychological principles underpinning this most demanding of sports. Drawing on cutting edge scientific research, and including contributions from leading international sport scientists and experienced coaches, the book represents an important link between theory and performance. With useful summaries, data and review questions included throughout, the book examines every key aspect of gymnastic training and performance, including: energetic, physical and physiological assessment training principles diet, nutrition and supplementation growth and development issues kinetics and kinematics angular and linear motion angular momentum stress, anxiety and coping motivation and goal setting mental skills training for practice and competition the psychology of learning and performance. In a concluding section the authors reflect on how fundamental scientific components (physiology, biomechanics and psychology) interact to enhance gymnastic performance, helping students to develop a better understanding of the relationship between sport science and sporting performance. The Science of Gymnastics is essential reading for all students, coaches and researchers with an interest in gymnastics or applied sport science.

## Book Information

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## Customer Reviews

It helped me coaching.I like that it helped me through my teaching from level 4 to 7,and sure it will help more for references.

My daughter is a gymnastic instructor and wanted this for Christmas.

Practical approach with scientific data.Great.

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