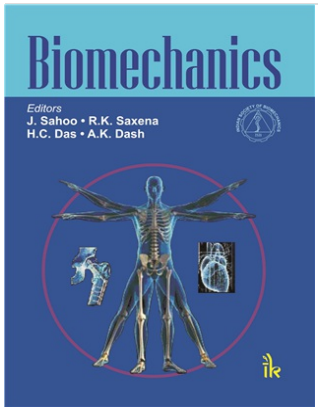
Book Information Sheet



Biomechanics, 1/e

J. Sahoo, A.K. Das, H. C. Das & R. K. Saxena

2014 | 292 pp | Paperback | ISBN: 9789382332862 | Price: 1,495.00

About the Book

Biomechanics is an interdisciplinary area where the knowledge and methods of mechanics are applied to the structure and function of the living human system. It integrates biological systems by means of mechanical principles for the improvement of performances, prevention and alleviation of injury by qualitative and quantitative analysis.

The aim of this book is to disseminate recent developments in the field of Biomechanical Sciences to the students, researchers, teachers, sports scientists, physiotherapists and orthopaedic surgeons, to enhance their skills and methodologies for research and development critically and optimally. The book will also help generate a dedicated team of researchers and teachers in Biomechanics to enhance the progress in the basic knowledge, research and facilities, so the resources can be pooled together and duplication of research work can be avoided.

Forty-six articles reflecting almost all areas of biomechanical sciences by eminent scientists and experts on Biomechanics have been presented in the present compendium. It will also pave way for the young scientists for the research for futuristic research work and develop improved methodologies.

Salient Features

- It contains 46 articles covering a diverse array of researches in various areas of biomechanics like biomechanical analysis of various bones and joints, modeling, ergonomics, implantation, sports-related topics and so on.
- The focus of the book is on assessment and prevention of injuries and/or palliative biomechanical advices in case of affliction.
- Every article has an abstract, key words, conclusion and references.
- The articles are profusely illustrated with photographs and diagrams.

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