

Series Editors: P K Singal and N Takeda

Adaptation Biology and Medicine

Volume 3: New Frontiers

Editors

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This book discusses the biology of adaptation at the molecular, cellular and system level in response to a variety of stressful conditions. A total of 37 chapters are presented by leading international experts. Although for easy reading the information has been grouped under the sub-headings: Cardiovascular Adaptation; Adaptations to Changes in Altitude and Microgravity and Environmental Stresses, the book represents a common continuum of adaptations. The therapeutic value of the understanding of the science of adaptation has also been described in several chapters. Examples of cross adaptations are also provided, where repeated exposure to one stimulus may have applications in the treatment and prophylaxis of different diseases.

The present book will be of great interest to all biologists, physiologists, pharmacologists and physicians interested in the application of the biology of adaptation in the improvement of health.

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Publishing House

