



**biology**



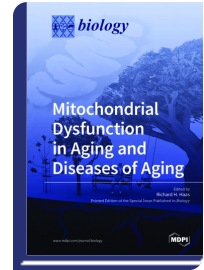
*Special Issue Reprint*

## **Mitochondrial Dysfunction in Aging and Diseases of Aging**

[www.mdpi.com/books/reprint/1606](http://www.mdpi.com/books/reprint/1606)

Edited by  
Richard H. Haas

ISBN 978-3-03921-327-6 (Softback)  
ISBN 978-3-03921-328-3 (PDF)



This collection of review articles authored by international experts pulls together current information about the role of mitochondria in aging and diseases of aging. Mitochondria are vitally important cellular organelles and undergo their own aging process becoming less efficient in aged animals including humans. These changes have wide-ranging significance contributing to immune dysfunction (autoimmunity and immune deficiency), inflammation, delayed healing, skin and retinal damage, cancer and most of the degenerative diseases of aging. Mitochondrial aging predisposes to drug toxicity in the geriatric population and to many of the features of normal aging. The research detailed in this book summarizes current understanding of the role of mitochondria in the complex molecular changes of aging, moving on to specific diseases of aging. Mitochondrial dysfunction is an important target for development of treatments for aging and disease. The last article details how exercise is a treatment and combats many features of the aging process.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/1606](http://www.mdpi.com/books/reprint/1606)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.