



**biomedicines**



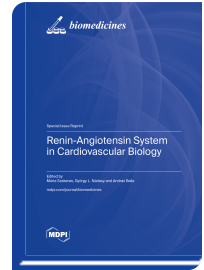
*Special Issue Reprint*

## **Renin-Angiotensin System in Cardiovascular Biology**

[www.mdpi.com/books/reprint/10449](http://www.mdpi.com/books/reprint/10449)

Edited by  
Mária Szekeres  
György L. Nádasy  
András Balla

ISBN 978-3-7258-3109-8 (Hardback)  
ISBN 978-3-7258-3110-4 (PDF)



The renin–angiotensin system (RAS) plays an important role in maintaining the salt and water balance of very diverse animal species under very diverse conditions. Angiotensin II (Ang II) is a hormone with much more complex actions than is typical for other agonists with heterotrimeric G protein-coupled receptors (GPCRs). Its principal receptor, angiotensin type 1 receptor (AT<sub>1</sub>R), is distributed in many cells of the body in diverse organs, controlling the water and salt balance, vascular contractility, and blood pressure.

This Special Issue provides original research papers and review articles regarding the latest insights into the complexity of the cell signaling and biological mechanisms of the RAS components to propose novel mechanisms in cardiovascular physiology and pathophysiology. By targeting this system, works may provide novel therapeutic potential regarding cardiovascular and related diseases such as hypertension, heart failure, atherosclerosis, and diabetes mellitus.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/10449](http://www.mdpi.com/books/reprint/10449)

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.