

Editorial

Ageing and Longevity Research: A New Journal Looking at Ageing and Longevity by Disseminating Cutting-Edge Research Conducted Both in Humans and in Models

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Received: 28 August 2024; Accepted: 29 August 2024; Published: 1 September 2024

1. Introduction

Why launch a new scientific journal focused on ageing and longevity? Ageing and longevity are becoming increasingly crucial topics, not just within biology and medicine but also for society at large. A new dedicated journal in this field will sharpen the focus on these issues, enabling a deeper examination of the challenges and opportunities associated with ageing and longevity. As the population ages globally, the implications for health, economic, and social policies are immense [1]. A new specialized journal can contribute to developing solutions with international significance, helping researchers and physicians as well as governments and institutions better address the challenges of an ageing population.

We are on the cusp of a medical revolution, driven by a deeper understanding of the biology of ageing and age-related diseases. These insights are fundamentally reshaping our views on ageing and the diseases that accompany it. For a long time, ageing and its related diseases were assumed to be unavoidable, just as we once believed microbial diseases were inevitable. We were wrong. Ageing can not only be slowed but can begin to be addressed now with the knowledge we already possess. Age-related diseases can be prevented and treated, and the potential for success is within our medical reach, though perhaps not to the full extent we desire [2,3]. The implications extend beyond the medical and personal: prolonging a healthy lifespan will have profound, far-reaching, and often unpredictable impacts on human culture [1].

With rapid advancements in our understanding, there is a growing need for platforms that can swiftly disseminate new discoveries and innovations in the field of ageing. *Ageing and Longevity Research* aims to be one such platform, facilitating the exchange of the latest knowledge. Ageing research is inherently interdisciplinary, engaging fields like biology, genetics, medicine, psychology, sociology, economics, and policy. Our goal is to create a space that fosters collaboration among these diverse disciplines, promoting a more holistic understanding of ageing and strategies to enhance healthy life expectancy, thereby advancing the pursuit of longevity.

2. Aim and Scope

The journal *Ageing & Longevity Research* aims to expand our knowledge in the fields of ageing and longevity. Our ambition is indeed to publish papers that explore the multifaceted factors influencing both successful and unsuccessful ageing processes, as well as longevity, by dissecting the mechanisms underlying the prevention or promotion of age-related diseases. We seek contributions from various disciplines related to ageing and longevity, including genetics and genomics, epigenetics and epigenomics, proteomics, metabolomics, and transcriptomics, cellular biology and biochemistry, immunology, or other related areas. Regarding immunology papers, reviews and original research papers that contribute to resolving the debate on the role of immunity in ageing and longevity will be particularly welcome [4,5]. We also welcome papers that investigate innovative interventions to promote healthy ageing and examine the roles of social sciences and public health in fostering longevity. Therefore, by disseminating cutting-edge research conducted both in humans and in models, we would like to create interdisciplinary connections, thereby facilitating a comprehensive understanding of ageing and longevity. Ultimately, we aspire to enhance the quality of life for individuals as they age.

The journal will be freely accessible as the publishing house is part of an initiative focused on eliminating obstacles to sharing all forms of research outputs, resources, methods, and tools at any stage of the research process. Open Science encompasses various elements, with the key aspects being Open Access, Open Data, Open Source, Open Access Monographs, Open Access References, and Open Standards, all of which facilitate the unrestricted



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dissemination of scientific knowledge on a more global scale. This approach is crucial for advancing 21st-century biology and medicine [6].

3. Outlook

We are confident that Ageing and Longevity Research will serve as a specialized forum that tackles the complex challenges and opportunities associated with ageing and longevity in a comprehensive, innovative, and interdisciplinary way. We acknowledge that the next first years will be years of hard work, dedication, and collaboration among the entire editorial team, authors, reviewers, and contributors to reach our ambitious objectives.

Acknowledgments: Caruso had no role in the revision of this editorial, which was checked and revised by members of the Editorial Board.

Conflicts of Interest: The author declares no conflict of interest.

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