

## Special Issue

# Melatonin and Brain Health

### Message from the Guest Editor

Understanding the main mechanisms associated with the changes associated with aging, as well as the factors that delay these inevitable destructive events in the structure and function of the brain, is important for identifying new therapeutic approaches to meet the needs of an aging population. Melatonin is an endogenous hormone synthesized and secreted by the pineal gland that is involved in the control of important physiological processes including in the nervous system related to circadian rhythms, energy metabolism, epigenetic factors, and autophagy. This Special Issue will involve research manuscripts, reviews, as well as short commentaries on topics related to the underlying mechanism and the role of putative signaling molecules, including the hormone melatonin in aging and concomitant neurodegenerative diseases. It can cover reports from animal models to pre-clinical studies in the field of aging as well as neurodegenerative diseases. Papers focused on the intrinsic mechanisms underlying delay or facilitation of aging and melatonin impact on related processes will be considered for this Special Issue.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2024)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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