

## Special Issue

# The Effects of Sleep Deprivation on Human Behavior and Neural Activity

### Message from the Guest Editor

Sleep is a fundamental physiological process that plays a crucial role in maintaining physical health, cognitive function, and emotional well-being. In recent years, there has been a growing recognition of the pervasive problem of sleep deprivation in modern society. The detrimental effects of sleep deprivation on human behavior and neural activity have far-reaching implications, touching upon various disciplines, including neuroscience, psychology, medicine, and public health. This special issue addresses a critical and timely subject with far-reaching implications. We invite researchers to contribute their expertise and insights to enrich our understanding of sleep deprivation and its consequences. We encourage researchers to submit their original research, reviews, and perspectives to this special issue, fostering a collaborative and multidisciplinary dialogue on sleep deprivation's impact. Together, we can advance the field and develop evidence-based strategies to mitigate the adverse effects of sleep deprivation on human behavior and neural activity.

- sleep function
- neuronal firing
- neuronal plasticity
- learning
- cognitive impairment
- sleep loss

### Guest Editor

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### Deadline for manuscript submissions

30 September 2026



## Behavioral Sciences

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With warm greetings, it is a pleasure to invite you to contribute a research article or comprehensive review for consideration and publication in *Behavioral Sciences*. *Behavioral Sciences* is an international, scientific, open access journal providing an advanced forum for discussions and research regarding the intersection between psychiatry, neuroscience, psychology, cognitive and behavioral sciences, and behavioral biology. More information are available at: <https://www.mdpi.com/journal/behavsci>. We would be pleased to welcome you as one of our authors and have the opportunity to consider your work for publication.

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### Editor-in-Chief

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