

## 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

Prof. Dr. Fabio Garcia-Garcia

Health Sciences Institute, University of Veracruz, Xalapa 91050, Mexico

### Deadline for manuscript submissions

30 November 2025



## Behavioral Sciences

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*Behavioral Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[behavsci@mdpi.com](mailto:behavsci@mdpi.com)

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#### Editor-in-Chief

Prof. Dr. Jerrell Cassady  
Department of Educational Psychology, Ball State University, Muncie, IN  
47306, USA

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