

## Special Issue

# Vitamin C: Challenges and Opportunities

### Message from the Guest Editor

Ascorbate is an indispensable nutrient known for its antioxidant properties and crucial role in diverse physiological processes, such as epigenetic regulation and immune function. Recent research and technological advancements have unveiled its critical function within the CNS, primarily through studies on the Sodium Vitamin C co-transporter 2 (SVCT2), the Vitamin C transporter present in the CNS. This Special Issue aims at exploring Vitamin C's multifaceted roles, bridging gaps between its biochemical pathways and its clinical implications for neurological health and disease. I am pleased to invite you to highlight the importance of Vitamin C in neurobiology and pathophysiology, focusing on the challenges and opportunities for advancing understanding in areas such as neurodevelopment, mental health, cognitive function, aging, and neurodegenerative diseases. We encourage contributions that delve into the mechanistic actions of ascorbate in the CNS and explore translational research opportunities for novel therapeutic interventions.

### Guest Editor

Dr. Camila C. Portugal

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### Deadline for manuscript submissions

closed (5 March 2025)



## Nutrients

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*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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