



Natural or Synthetic Antioxidants for Neurodegenerative Diseases and Brain Health

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Message from the Guest Editor

Neurological diseases have increased over the last decade and numerous researchers are focused on identifying drugs that can prevent, slow down or treat these diseases. Brain homeostasis is essential for normal central nervous system (CNS) activity, and one of the key factors contributing to CNS impairment is oxidative stress. This type of stress strongly contributes to the degeneration of brain areas and/or accelerates neuronal cell damage. Furthermore, the brain is highly susceptible to oxidative stress due to its high oxygen consumption and lipid rich content and its structures are, therefore, fragile to this insult. Thus, oxidative stress-induced brain damage has a strong potential to negatively influence normal CNS functions.

Therefore, authors are invited to present original research articles, review papers, clinical case reports or communications focused on the effects that natural or synthetic antioxidants have at CNS level.





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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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