



Antioxidant and Anti-inflammatory Properties of Plants Extract

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Deadline for manuscript
submissions:

closed (30 June 2019)

Message from the Guest Editor

Inflammation is an adaptive response triggered by noxious stimuli and conditions such as infection and tissue injury. Numerous phytochemicals with peculiar reducing properties have been recently shown to modulate the inflammatory response effectively. First considered 'health-promoting' by virtue of their radical-scavenging activity and/or direct antioxidant effects on cellular biomolecules, such compounds are now believed to be able to interfere with cell signal transduction by intercepting reactive species at the level of critical signalling pathways. In addition, the interaction of these molecules with signalling enzymes, receptors and transcription factors has emerged recently.

Contributions are invited from investigators worldwide in the form of reviews or original research articles on the anti-oxidative and anti-inflammatory effects and mechanisms exerted by plant extracts in vitro and in vivo.





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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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