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Environmental Factors on Lipid Peroxides and Antioxidant Status in Animals

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editor

Life is associated with a range of stresses. There is a lot of experimental evidence that most of these stresses are associated with lipid peroxide formation, therefore affecting the antioxidant status of animals. Among the environmental factors, probably the most important stressor is environmental temperature, which causes heat stress. Oxygen is essential for aerobic life, and therefore, hypoxia or hyperoxia are also important stress factors which activate oxygen-free radical formation and affect the antioxidant status. Among the technological stress factors, the effect of social stress in an unknown area of antioxidant research; however, there are previous studies about the positive effect of some low molecular weight antioxidants against the detrimental effect of social stress in large-scale animal production systems. All of the abovementioned stresses have a direct effect on the lipid peroxide formation and antioxidant status of animals, but regulation of these processes is not completely known yet.

As Guest Editor, I invite you to contribute to our Special. Original research reports and reviews will be published online in *Antioxidants*.

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Editor-in-Chief

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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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