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Superoxide Dismutase Activity in Different Health Conditions

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Message from the Guest Editors

Superoxide dismutase (SOD) is one of the most important enzymatic antioxidants, having the ability to neutralize superoxide due to catalytic disproportionation. SOD enzymes control the levels of reactive oxygen species, limiting their potential toxicity and regulating various aspects of cell life. The impact of SOD gene polymorphisms and/or alterations in SOD expression and activity have been observed in different pathological states including familial amyotrophic lateral sclerosis, inflammatory diseases, cystic fibrosis, chronic obstructive pulmonary disease, ischemia, as well as obesity and its metabolic and cardiovascular complications, but also in degenerative processes related to aging.

The Special Issue “Superoxide Dismutase Activity in Different Health Conditions” will cover research topics and current review articles in this field.



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Special Issue



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