



Nicotinamide in Health and Diseases

Guest Editor:

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Message from the Guest Editor

Currently, the utilization of NAM as a therapeutic, pharmaceutical, or dietary or cosmetic supplements has been increasing rapidly. According to the Market Study Report, sales of NAM increased from 55,407 MT in 2013 to 76,862 MT in 2017 urgently demanding a greater understanding of NAM and the associated physiology. Thus, this Special Issue is focused on but not limited to studies on the molecular mechanisms underlying the proposed effects and new possible applications of NAM. The effects of NAM on sirtuin family proteins and other NAD⁺-consuming enzymes are important molecular targets of study. The metabolism of NAM and NAD⁺ need to be better understood to minimize potential side effects. In addition, studies of NAM's association to autophagy and organelle turnover will provide invaluable information on the cellular process of aging and shed light on its efficacy as an anti-aging regimen.





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