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Special Issue Reprint

# Cigarette Smoke and Oxidative Stress

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Cigarette smoke is a major source of oxidative stress, with effects that extend well beyond the site of exposure. Understanding how smoking disrupts the balance between oxidants and antioxidant defenses is essential to explaining its systemic consequences for human health.

This Reprint brings together studies examining conventional cigarettes, heated tobacco products, e-cigarettes, and waterpipes. By considering these forms of smoking and inhaled aerosol exposure, it explores their influence on oxidative stress and the mechanisms through which they may contribute to systemic injury.

Particular attention is given to the cardiovascular, pulmonary, and renal systems, as well as to the role of inflammation in the development and progression of smoking-related harm. Together, the contributions offer a broader view of the pathophysiological processes involved and their implications for human health.

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