Toxicology: Open Access

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Keywords: A ; ; ; ; ; A

Introduction

A 100 1

Sources of Airborne Nanoparticles

A :

Combustion Processes

( ),

Industrial Emissions

0

Natural Sources

Mechanisms of Genotoxicity

:

Oxidative Stress

), A,

- **DNA Damage**: - ( ) - ( ) A,

In ammation

A A.

- **Cytokine Release**: , A

Direct Interaction with DNA

A , 3

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Citation: Amina K (2024) Genotoxicity of Airborne Nanoparticles Mechanisms and Implications.

- **Transcriptional Regulation**:

Health Implications

Cancer

- **Mechanistic Evidence**:

Respiratory Diseases

- **Cellular Response**:

Cardiovascular E ects

- **Systemic E ects**:

Neurotoxicity

- **Blood-Brain Barrier**:

Regulatory Implicatio[illegible]