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Airborne Particles and Respiratory Problems: A Global Perspective †

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Abstract: The goal of this critical analysis review and bibliometric assessment is to give a thorough and critical overview of the state of research in this area by examining the complex relationship between respiratory health and airborne pollutants. The review critically assesses the scientific discourse surrounding the effects of airborne pollutants on respiratory health, identifies important thematic areas, and examines global research patterns through a thorough analysis of the body of existing literature. Methodological considerations from pertinent studies are critically evaluated, providing insight into the advantages and disadvantages of the state-of-the-art research methodologies. This review attempts to direct future research and inform evidence-based interventions for respiratory health by condensing insights into the current knowledge structure, research gaps, and emerging trends. The thorough critical analysis offered here advances our understanding of the complex relationships between respiratory outcomes and airborne pollutants, offering useful guidance to researchers, medical professionals, and policymakers navigating the complex fields of environmental and public health.

Keywords: respiratory health; airborne pollutants; particulate matter.

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Conflicts of Interest

The authors declare no conflict of interest.