



# The Role of Health Risk Assessment Techniques in Controlling Air Pollution: A Mini Review

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## 1. Round 1

### 1.1 Reviewer 1

Date: 04 June 2024

Reviewer:

"The abstract states, 'The gaps and shortcomings obtained in this review can be starting point for the future investigations.' Please specify what these gaps and shortcomings are to provide a clearer summary of the review's conclusions."

"Explain the process used to extract data from the selected papers. Who conducted the data extraction, and how were discrepancies resolved?"

"Include a description of how the quality of the included studies was assessed. Were any tools or criteria used to evaluate the methodological rigor of the studies reviewed?"

"The 'Findings and Results' section provides a broad overview. Consider adding a table summarizing the key findings from each study reviewed, including study design, main outcomes, and any limitations."

"Thematic analysis was mentioned but not detailed. Describe how themes were identified and categorized, and whether multiple coders were involved to ensure reliability."

"In Table 1, provide more detail on the methods and conclusions of each study. This will help readers understand the diversity of approaches and findings in the literature."

Authors revised the manuscript and uploaded the updated document.

## 1.2 Reviewer 2

Date: 07 June 2024

Reviewer:

"In the introduction, the statement 'Air pollution is responsible for an estimated 8.9 million fatalities annually' needs a citation. Ensure that all significant claims are supported by references to the relevant literature."

"In the first paragraph, you mention 'health risk assessment (HRA).' Provide a brief definition or explanation of HRA to ensure that readers unfamiliar with the term can follow the discussion."

"The 'Methods and Materials' section states that papers were extracted from Elsevier and Springer via Google Scholar and ScienceDirect. Provide more detail on the search strategy, including keywords used, inclusion and exclusion criteria, and the time frame of the literature search."

"In the discussion, you state 'the importance of HRA in the refinery industry is highlighted in the previous works.' Provide specific examples or case studies that illustrate this importance in practical terms."

"Compare your findings with those from similar reviews or studies in different contexts. This will help to contextualize your results and show their relevance to the broader field."

"Expand on the practical implications of your findings. For example, how can the identified HRA techniques be applied in real-world settings to improve air pollution control?"

Authors revised the manuscript and uploaded the updated document.

## 2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.