

## **Carcinogenic and non-carcinogenic risk assessment of heavy metals from cereal-based products – a bibliometric analysis**

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In recent years, there has been a growing global concern over the pollution caused by heavy metals and the associated health risks, such as toxicity, carcinogenicity, and bioaccumulation. Extensive research efforts have been devoted to understanding the health risks posed by heavy metals from various sources. In this particular study, we conducted a bibliometric analysis to explore the health risk assessment of heavy metals related to the consumption of cereal-based products across different regions worldwide from 2000 to 2022. To examine various aspects of this topic, including language distribution, countries involved, journals, citations, keywords, and author relationships, we employed VOSviewer software and analyzed publications indexed in the Web of Science database. The findings of our analysis revealed a notable increase in publications concerning this specific subject, with the highest number of publications occurring in 2020. This upward trend indicates a significant surge in interest regarding the evaluation of heavy metal risks associated with the consumption of cereal products.

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