

**Titre:** Metal(loid)s inhalation bioaccessibility and oxidative potential of particulate matter from chromated copper arsenate (CCA)-contaminated soils. Supplément  
Title:

**Auteurs:** Mathieu Gosselin, & Gérald J. Zagury  
Authors:

**Date:** 2020

**Type:** Article de revue / Article


**Référence:** Gosselin, M., & Zagury, G. J. (2020). Metal(loid)s inhalation bioaccessibility and oxidative potential of particulate matter from chromated copper arsenate (CCA)-contaminated soils. Chemosphere, 238, 124557 (8 pages).  
Citation: <https://doi.org/10.1016/j.chemosphere.2019.124557>

 **Document en libre accès dans PolyPublie**  
Open Access document in PolyPublie

**URL de PolyPublie:** <https://publications.polymtl.ca/43643/>  
PolyPublie URL:

**Version:** Matériel supplémentaire / Supplementary material  
Révisé par les pairs / Refereed

**Conditions d'utilisation:** Creative Commons Attribution-Utilisation non commerciale-Pas d'oeuvre dérivée 4.0 International / Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International (CC BY-NC-ND)  
Terms of Use:

 **Document publié chez l'éditeur officiel**  
Document issued by the official publisher

**Titre de la revue:** Chemosphere (vol. 238)  
Journal Title:

**Maison d'édition:** Elsevier Ltd  
Publisher:

**URL officiel:** <https://doi.org/10.1016/j.chemosphere.2019.124557>  
Official URL:

**Mention légale:**  
Legal notice:

## ***Highlights***

- High inhalation bioaccessibility of some trace elements in artificial lysosomal fluid
- Good correlation between metal mobile fractions and inhalation bioaccessibility
- Oxidative potential of particulate matter mainly influenced by mobile Cu fractions
- PM from CCA-contaminated soils could present As related inhalation risks