frontiers | Frontiers in Plant Science

TYPE Retraction
PUBLISHED 12 June 2024
DOI 10.3389/fpls.2024.1441692

OPEN ACCESS

APPROVED BY
Frontiers Editorial Office,
Frontiers Media SA, Switzerland

*CORRESPONDENCE
Frontiers Editorial Office
research.integrity@frontiersin.org

RECEIVED 31 May 2024
ACCEPTED 31 May 2024
PUBLISHED 12 June 2024

CITATION
Frontiers Editorial Office (2024) Retraction: Short-term responses of Spinach (*Spinacia oleracea* L.) to the individual and combinatorial effects of Nitrogen, Phosphorus and Potassium and silicon in the soil contaminated by boron. *Front. Plant Sci.* 15:1441692. doi: 10.3389/fpls.2024.1441692

Retraction: Short-term responses of Spinach (*Spinacia oleracea* L.) to the individual and combinatorial effects of Nitrogen, Phosphorus and Potassium and silicon in the soil contaminated by boron

Frontiers Editorial Office*

A Retraction of the Original Research Article

Short-term responses of Spinach (*Spinacia oleracea* L.) to the individual and combinatorial effects of Nitrogen, Phosphorus and Potassium and silicon in the soil contaminated by boron

by Ma J, Ali S, Saleem MH, Mumtaz S, Yasin G, Ali B, Al-Ghamdi AA, Elshikh MS, Vodnar DC, Marc RA, Rehman A, Khan MN, Chen F and Ali S (2022). *Front. Plant Sci.* 13:983156. doi: 10.3389/fpls.2022.983156

The journal retracts the 2022 article cited above.

Following publication, concerns were raised regarding the contributions of the authors of the article. Our investigation, conducted in accordance with Frontiers policies, confirmed a serious breach of our authorship policies and of publication ethics; the article is therefore retracted.

This retraction was approved by the Chief Executive Editor of Frontiers. The authors received a communication regarding the retraction and had a chance to respond. This communication has been recorded by the publisher.