

Retraction: Assessment of nanofertilizers' effect on yield of seedling biomass in vegetable crops

The Editor and Publisher retract the following article:

Kanwal A, Behl RK, Singh I, Tiwari NK, Kumar S, Sehgal R, Singh BJ, Singh R. Assessment of nanofertilizers' effect on yield of seedling biomass in vegetable crops. *Journal of Applied Biology & Biotechnology*. 2025;13(Suppl 1):53–61. DOI: 10.7324/JABB.2025.211140.

Following an investigation into concerns about the reuse and attribution of nanoparticle characterization data, a review of this article and an earlier related publication [1] confirmed that the same nanoparticle samples and the corresponding XRD, UV–visible, FTIR, and FE-SEM data were used in both publications. However, the earlier publication and the substantial reuse of these data were neither disclosed nor appropriately cross-referenced in the JABB article.

Review of the authors' explanation and the provided source files also revealed incorrect FE-SEM image assignments. While the two publications looked at different downstream biological endpoints, the undisclosed reuse of previously published characterization data and the incorrect image attribution raise serious concerns about the reliability and provenance of these results.

The Editor and Publisher therefore determined that these issues cannot be adequately resolved by a correction and have retracted the article to maintain the integrity of the scientific record.

REFERENCES

1. Kanwal A, Singh JB, Kumar S, Sehgal R, Upadhyay KS, Singh R. Green synthesis of nanoparticles using pea peel biomass and their assessment on seed germination of tomato, chilli and brinjal crop. *Indian Journal of Agricultural Research*. 2025;59(10):1608-1618. doi: 10.18805/IJARE.A-6301.