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## Retraction Note: Flawless polyaniline coating for preservation and corrosion protection of ancient steel spearheads: an archaeological study from military museum, Al-Qala, Egypt

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Retraction of: *Scientific Reports* <https://doi.org/10.1038/s41598-024-57184-x>, published online 27 March 2024

The Editors have retracted this Article.

After publication, concerns were raised regarding the data presented in three of the figures. Specifically:

- In Figure 2, Panel a appears to partially overlap with Panel b. These panels are described as originating from different samples.
- In Figure 3, Panel b reports a scale of 200 $\mu$ m and a Working Distance (WD) of 11.3mm, but the same image in Figure 5 indicates a scale of 500 $\mu$ m and a WD of 11.7mm.

In addition, concerns were raised regarding the accuracy of a number of the references used in the Article. The Editors therefore no longer have confidence in the reliability of the results and conclusions presented.

The Authors disagree with this retraction.

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