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Retraction Note: Potential biological applications of environment friendly synthesized iron oxide nanoparticles using *Sageretia thea* root extract

Muhammad Israeel, Javed Iqbal, Banzeer Ahsan Abbasi, Shumaila Ijaz, Rafi Ullah, Farishta Zarshan, Tabassum Yaseen, Gul Khan, Ghulam Murtaza, Iftikhar Ali, Khaloud Mohammed Alarjani, Mohamed S Elshikh, Muhammad Rizwan, Shoaib Khan & Rashid Iqbal

Retraction of: *Scientific Reports* https://doi.org/10.1038/s41598-024-79953-4, published online 16 November 2024

The Editors have retracted this Article.

After publication, concerns were raised about the data presented in this study. Specifically, repeating fragments are observed in the background of a graph depicting XRD pattern in Figure 4. Concerns were also raised regarding the shape of the UV-VIS spectroscopy graph in Figure 2. Additionally, the SEM image presented in Figure 6 appears highly similar to Figure 4 from[1], where it depicts different conditions.

The Authors could not provide all of the necessary raw data to verify the veracity of the results.

Khaloud Mohammed Alarjani agrees to this retraction. Rashid Iqbal, Mohamed S Elshikh, Javed Iqbal and Banzeer Ahsan Abbasi do not agree to this retraction. Muhammad Israeel, Shumaila Ijaz, Rafi Ullah, Farishta Zarshan, Tabassum Yaseen, Gul Khan, Ghulam Murtaza, Iftikhar Ali, Muhammad Rizwan and Shoaib Khan have not responded to any correspondence from the Editor about this retraction.

Reference

1. Abbasi, B. A. et al. Environmentally friendly green approach for the fabrication of silver oxide nanoparticles: Characterization and diverse biomedical applications. *Microsc. Res. Tech.* **83** (11), 1308–1320 (2020).