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RETRACTION

Preparation and in vitro Evaluation of Doxorubicin-Loaded Fe_3O_4 Magnetic Nanoparticles Modified with Biocompatible Copolymers [Retraction]

Akbarzadeh A, Mikaeili H, Zarghami N, Mohammad R, Barkhordari A, Davaran S. *Int J Nanomedicine*. 2012;7:511—526.

The Editor-in-Chief and Publisher of *International Journal of Nanomedicine* with to retract the published article.

We were notified of potential image duplication in the published article. The issue related to the same images allegedly published in similar articles by several of the same authors:

- Figure 6A, 6B and 6C, Figure 7D, Figure 8, Figure 9A, Figure 12A and Figure 15A, 15B and 15C appear to be the same images used in Figure 5A, 5B and 5C, Figure 6B, Figure 7A, Figure 8A, Figure 9A and Figure 12A, 12B and 12C, respectively, in the article 'Synthesis, characterization, and in vitro evaluation of novel polymer-coated magnetic nanoparticles for controlled delivery of doxorubicin'. *Nanotechnology, Science and Applications* 2012;5:13–25 (https://doi.org/10.2147/NSA.S24328).
- Figure 7D, Figure 8 and Figure 9A and 9C appear to be the same images used for Figure 10c, Figure 5 and Figure 6a and 6c, respectively, in the article 'Synthesis, characterization and in vitro studies of doxorubicin-loaded magnetic nanoparticles grafted to smart copolymers on A549 lung cancer cell line'. *Journal of Nanobiotechnology*. 2012;10:46 (https://doi.org/10.1186/1477-3155-10-46).
- Figure 8 and Figure 9 appear to contain the same images used for Figure 5 and Figure 6, respectively, in the article 'Synthesis, Characterization, and In vitro Studies of PLGA –PEG Nanoparticles for Oral Insulin Delivery'. *Chemical Biology & Drug Design*. 2014;84(3):307–315 (https://doi.org/10.1111/cbdd.12318).
- Figure 9A and 9C appear to be the same images used for Figure 3a and 3b, respectively, in the article 'Inhibition of hTERT Gene Expression by Silibinin-Loaded PLGA-PEG-Fe_3O_4 in T47D Breast Cancer Cell Line'. *Bioimpacts* 2013;3(2):67–74 (https://pubmed.ncbi.nlm.nih.gov/23878789/). The sample was described in Figure 9C as doxorubicin-loaded Fe_3O_4 magnetic nanoparticles, whereas the sample in Figure 3b was described as silbinin-loaded Fe_3O_4 magnetic nanoparticles.

The authors were unable to responded to our queries in a timely manner and the editor determined that the findings of the study were no longer valid and requested for the article to be retracted.

Our decision-making was informed by our policy on publishing ethics and integrity and the COPE guidelines on retraction.

The retracted article will remain online to maintain the scholarly record, but it will be digitally watermarked on each page as "Retracted".