


 Cite this: *RSC Adv.*, 2024, 14, 17236

Expression of concern: Cefotaxime incorporated bimetallic silver-selenium nanoparticles: promising antimicrobial synergism, antibiofilm activity, and bacterial membrane leakage reaction mechanism

 Abdelrahman A. Elakraa,^{ab} Salem S. Salem,^{*a} Gharieb S. El-Sayyad^{*cd}
 and Mohamed S. Attia^a

DOI: 10.1039/d4ra90060j

rsc.li/rsc-advances

 Expression of concern for 'Cefotaxime incorporated bimetallic silver-selenium nanoparticles: promising antimicrobial synergism, antibiofilm activity, and bacterial membrane leakage reaction mechanism' by Abdelrahman A. Elakraa *et al.*, *RSC Adv.*, 2022, 12, 26603–26619, <https://doi.org/10.1039/D2RA04717A>.

RSC Advances is publishing this expression of concern in order to alert readers that concerns have been raised regarding the reliability of the EDX spectra in Fig. 3 and the SEM/EDX data in Fig. 4. An investigation is underway, and an expression of concern will continue to be associated with the article until a final outcome is reached.

Laura Fisher
 22nd May 2024
 Executive Editor, *RSC Advances*

^aBotany and Microbiology Department, Faculty of Science, Al-Azhar University, Nasr City, Cairo 11884, Egypt. E-mail: salemalahsalem@azhar.edu.eg

^bChemical Industries Department, Industrial Control Authority, Cairo, Egypt

^cDepartment of Microbiology and Immunology, Faculty of Pharmacy, Galala University, New Galala City, Suez, Egypt. E-mail: Gharieb.Elsayyad@gu.edu.eg; Gharieb.S.Elsayyad@eaea.org.eg

^dDrug Microbiology Lab., Drug Radiation Research Department, National Center for Radiation Research and Technology (NCRRT), Egyptian Atomic Energy Authority (EAEA), Cairo, Egypt

