

# EXPRESSION OF CONCERN

[View Article Online](#)  
[View Journal](#) | [View Issue](#)

Cite this: *RSC Adv.*, 2023, 13, 32972

DOI: 10.1039/d3ra90114a

[rsc.li/rsc-advances](https://rsc.li/rsc-advances)

## Expression of Concern: The controlled synthesis and DFT investigation of novel (0D)–(3D) ZnS/SiO<sub>2</sub> heterostructures for photocatalytic applications

Mohamed F. Sanad,<sup>\*ab</sup> Ahmed Esmail Shalan,<sup>\*cd</sup> M. A. Ahmed<sup>a</sup>  
and M. F. Abdel Messih<sup>a</sup>

Expression of Concern for 'The controlled synthesis and DFT investigation of novel (0D)–(3D) ZnS/SiO<sub>2</sub> heterostructures for photocatalytic applications' by Mohamed F. Sanad *et al.*, *RSC Adv.*, 2021, 11, 22352–22364, <https://doi.org/10.1039/D1RA02284A>.

The Royal Society of Chemistry is publishing this expression of concern in order to alert readers that concerns have been raised regarding the reliability of the XRD data in Fig. 2a, the absorption spectra in Fig. 6, 7b and c, and the kinetics data in Fig. 8a and b. 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  
2<sup>nd</sup> November 2023  
Executive Editor, *RSC Advances*

<sup>a</sup>Chemistry Department, Faculty of Science, Ain Shams University, Egypt. E-mail: mfsanad@miners.utep.edu

<sup>b</sup>Department of Chemistry, Department of Environmental Sciences and Engineering, University of Texas at El Paso, 500 West University Avenue, El Paso, Texas 79968, USA

<sup>c</sup>Central Metallurgical Research and Development Institute (CMRDI), P.O. Box 87, Helwan, Cairo, 11422, Egypt. E-mail: a.shalan133@gmail.com; ahmed.shalan@bcmaterials.net

<sup>d</sup>BCMaterials, Basque Center for Materials, Applications and Nanostructures, Martina Casiano, UPV/EHU Science Park, Barrio Sarriena s/n, Leioa 48940, Spain

