

EXPRESSION OF CONCERN

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

Cite this: *RSC Adv.*, 2024, 14, 28299

Expression of concern: Enhanced electrical and magnetic properties of (Co, Yb) co-doped ZnO memristor for neuromorphic computing

Noureddine Elboughdiri,^{ab} Shahid Iqbal,^c Sherzod Abdullaev,^{de} Mohammed Aljohani,^g Akif Safeen,^f Khaled Althubeiti^g and Rajwali Khan^{*hi}

DOI: 10.1039/d4ra90092h

rsc.li/rsc-advances

Expression of concern for 'Enhanced electrical and magnetic properties of (Co, Yb) co-doped ZnO memristor for neuromorphic computing' by Noureddine Elboughdiri *et al.*, *RSC Adv.*, 2023, 13, 35993–36008, <https://doi.org/10.1039/D3RA06853F>.

RSC Advances is publishing this expression of concern in order to alert readers that concerns have been raised regarding the integrity of the data published in Fig. 4.

An independent expert has assessed Fig. 4 and is concerned the authors have not provided an accurate representation of the experiments that were conducted.

The Royal Society of Chemistry has asked the affiliated institution (University of Lakki Marwat, Pakistan) to investigate this matter and confirm the integrity and reliability of the data in Fig. 4 of the paper. An expression of concern will continue to be associated with this manuscript until we receive information from the institution on this matter.

Laura Fisher

21st August 2024

Executive Editor, *RSC Advances*

^aChemical Engineering Department, College of Engineering, University of Ha'il, P.O. Box 2440, Ha'il 81441, Saudi Arabia

^bChemical Engineering Process Department, National School of Engineers Gabes, University of Gabes, Gabes 6029, Tunisia

^cDepartment of Physics, University of Wisconsin, La Crosse, WI, USA

^dEngineering School, Central Asian University, Tashkent, Uzbekistan

^eScientific and Innovation Department, Tashkent State Pedagogical University Named After Nizami, Tashkent, Uzbekistan

^fDepartment of Physics, University of Poonch Rawalakot, Rawalakot 12350, Pakistan

^gDepartment of Chemistry, College of Science, Taif University, P.O. BOX. 110, 21944 Taif, Saudi Arabia

^hDepartment of Physics, University of Lakki Marwat, Lakki Marwat, KP, Pakistan. E-mail: rajwali@ulm.edu.pk; khan_phy@foxmail.com

ⁱDepartment of Physics, United Arab Emirates University, United Arab Emirates

