



Cite this: *RSC Adv.*, 2025, 15, 7709

DOI: 10.1039/d5ra90024g

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

## Retraction: Bismuth-based nanoparticles and nanocomposites: synthesis and applications

Sujit Kumar,<sup>aj</sup> M. Premkumar,<sup>aj</sup> Jayant Giri,<sup>\*bcd</sup> S. M. Mozammil Hasnain,<sup>e</sup>  
 Rustem Zairov,<sup>\*fg</sup> Jundao Wu<sup>f</sup> and Zeai Huang<sup>hi</sup>

Retraction of 'Bismuth-based nanoparticles and nanocomposites: synthesis and applications' by Sujit Kumar et al., *RSC Adv.*, 2024, 14, 39523–39542, <https://doi.org/10.1039/D4RA05637J>.

The Royal Society of Chemistry, with the agreement of the authors, hereby wholly retracts this *RSC Advances* article.

Sujit Kumar has admitted that content from this review article originated from confidential information taken during the peer review process of an unpublished submission they were assigned to review from another publisher. None of the other co-authors were involved in this situation and bear no responsibility for this misconduct.

Signed: Sujit Kumar, Rustem Zairov, Jundao Wu, Zeai Huang, S. M. Mozammil Hasnain, Jayant Giri, M. Premkumar

Date: 4th March 2025

Retraction endorsed by Laura Fisher, Executive Editor, *RSC Advances*

<sup>a</sup>Department of Electrical and Electronics Engineering, Dayananda Sagar College of Engineering, Bengaluru, Karnataka, India. E-mail: [sujit-eee@dayanandasagar.edu](mailto:sujit-eee@dayanandasagar.edu); [drpremkumar-eee@dayanandasagar.edu](mailto:drpremkumar-eee@dayanandasagar.edu)

<sup>b</sup>Department of Mechanical Engineering, Yeshwantrao Chavan College of Engineering, Nagpur, India. E-mail: [jayantpgiri@gmail.com](mailto:jayantpgiri@gmail.com)

<sup>c</sup>Division of Research and Development, Lovely Professional University, Phagwara, India

<sup>d</sup>Department of VLSI Microelectronics, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Saveetha University, Chennai 602105, TN, India

<sup>e</sup>Marwadi University Research Center, Department of Mechanical Engineering, Faculty of Engineering & Technology, Marwadi University, Rajkot, 360003, Gujarat, India. E-mail: [smmh.429@gmail.com](mailto:smmh.429@gmail.com)

<sup>f</sup>Aleksander Butlerov Institute of Chemistry, Kazan Federal University, 1/29 Lobachevskogo Str., Kazan 420008, Russian Federation. E-mail: [rustem02@yandex.ru](mailto:rustem02@yandex.ru)

<sup>g</sup>Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center of RAS, Arbuzov Str., 8, 420088 Kazan, Russian Federation

<sup>h</sup>State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Southwest Petroleum University, Chengdu 610500, China

<sup>i</sup>School of New Energy and Materials, Southwest Petroleum University, Chengdu 610500, China. E-mail: [zeai.huang@swpu.edu.cn](mailto:zeai.huang@swpu.edu.cn)

<sup>j</sup>Department of Electrical and Electronics Engineering, Visvesvaraya Technological University, Belagavi, Karnataka, India

