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Frontiers Media SA, Switzerland

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RECEIVED 17 October 2023  
ACCEPTED 18 October 2023  
PUBLISHED 31 October 2023

## CITATION

Frontiers Editorial Office (2023),  
Retraction: A novel mathematical model  
for the effects of wall properties on  
pumping flow of a biofluid in a  
symmetrical three-dimensional  
curved duct.

*Front. Phys.* 11:1323281.  
doi: 10.3389/fphy.2023.1323281

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# Retraction: A novel mathematical model for the effects of wall properties on pumping flow of a biofluid in a symmetrical three-dimensional curved duct

Frontiers Editorial Office\*

## A Retraction of the Original Research Article

[A novel mathematical model for the effects of wall properties on pumping flow of a biofluid in a symmetrical three-dimensional curved duct](#)

by Alfwan WF, Riaz A, Alammari M, Hejazi HA and Tag El-Din EM (2023). *Front. Phys.* 11:1121849.  
doi: 10.3389/fphy.2023.1121849

The journal retracts the 21/2/2023 article cited above.

Following publication, concerns were raised regarding the quality of the study. An investigation was conducted in accordance with Frontiers' policies and found evidence of manipulation of the peer review process.

This retraction was approved by the Chief Editors of Frontiers in Physics and the Chief Executive Editor of Frontiers. The authors do not agree to this retraction.