



Retraction Note to: Bio-inspired dual cluster heads optimized routing algorithm for wireless sensor networks

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The Editor-in-Chief and the publisher have retracted this article. This article was submitted to be part of a guest-edited issue. An investigation concluded that the editorial process of this guest-edited issue was compromised by a third party and that the peer review process has been manipulated. Based on the investigation's findings the Editor-in-Chief therefore no longer has confidence in the results and conclusions of this article.

The authors have not responded to correspondence regarding this retraction.

The original article can be found online at <https://doi.org/10.1007/s12652-019-01657-9>.

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