

## Retraction

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IOS Press has retracted the following publication from its online content:

[*Journal of Intelligent & Fuzzy Systems*, vol. 40, no. 1, pp. 1357–1366, 2021 (DOI: 10.3233/JIFS-201693)]

### **Optimization method of emergency logistics network in the initial post-earthquake stage considering multiple factors and the case analysis**

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The article “Optimization method of emergency logistics network in the initial post-earthquake stage considering multiple factors and the case analysis” by Junxiang Xu, Jingni Guo, Jin Zhang, Yongdong Sun, Weihua Liu and Hui Ma, originally published in *Journal of Intelligent & Fuzzy Systems*, vol. 40, no. 1, pp. 1357–1366, 2021 (DOI: 10.3233/JIFS-201693) has been retracted by the authors. The article was published as version of record on 4 January 2021 and retracted formally on 15 June 2021. The publisher has updated the original online PDF with the word “RETRACTED” watermarked over every page of the article. As the *Journal of Intelligent & Fuzzy Systems* is an electronic only journal (since 2021) a print version of the paper has not been circulated by the publisher.

The authors would like to provide following statement regarding the retraction of this article from the scientific literature:

“We found that there are major problems in the research methods of the paper. This was pointed out by Chinese scientific research institutions in an evaluation project, and denied our research on theoretical derivation and practical application scenarios. Domestic experts suggested that we should make major modifications before submitting this paper again. The specific contents include the following aspects.

(1) The reliable facility location problem has been well studied by many researchers. We state that the main contribution of this research is that the disruption of the facility in the initial stage of the post-earthquake is considered. As the uncertainty of the disaster, the interruption of the facility can be considered pre-disaster. What are the differences? We should give the contribution in detail and the difference between the previous studies.

(2) The usage of many parameters in the model is not correct, and the rationality of the hypothesis is quite different from the reality. Therefore, the model should be modified according to the actual environment, and then the paper can be further improved.

(3) It is desirable for us to specify whether any of the four scenarios considered is close to the actual event (in terms of the number of facilities interrupted and their identity). It would also be useful to assess the number of scenarios needed to be considered so that, at a certain intensity of the earthquake, the solution has a satisfactory degree of confidence.

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In conclusion, all the authors of this paper agree to retract this published paper.”

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