PLOS ONE

RETRACTION

Retraction: Adaptive Neuro-Fuzzy Methodology for Noise Assessment of Wind Turbine

The *PLOS ONE* Editors

Following publication, concerns have been raised regarding overlap of text between this article [1] and a number of other previously published works.

Segments of text in the Abstract, Introduction, Materials and Methods, and Conclusion sections are similar or identical to excerpts from other previously published works, some of which are cited, but it is not made clear that text has been re-used verbatim from these sources.

There is text overlap with papers from other author groups, specifically, in the Abstract [2,3], in the Introduction [4–7], in the Materials and Methods [8], and in the Conclusion [9].

The Introduction, Materials and Methods, and Conclusion sections also contain duplicate text from a 2014 article by some of the same authors [10], which has since been retracted.

In view of the extent of the overlapping text, the *PLOS ONE* Editors retract this article.

SS did not agree with retraction. DB, RH, SM did not respond. The corresponding author stands by the article as an independent contribution.

References

1. Shamshirband S, Petković D, Hashim R, Motamedi S (2014) Adaptive Neuro-Fuzzy Methodology for Noise Assessment of Wind Turbine. PLoS ONE 9(7): e103414. https://doi.org/10.1371/journal.pone.0103414 PMID: 25075621
2. Van Renterghem T, Bockstael A, De Weirt V, Botteldooren D. Annoyance, detection and recognition of wind turbine noise. Sci Total Environ 2013; 456–457: 333–345. https://doi.org/10.1016/j.scitotenv.2013.03.095
3. Oerlemans S, Fisher M, Maeder T, Kögler K. Reduction of Wind Turbine Noise Using Optimized Airfoils and Trailing-Edge Serrations. AIAA J 2009; 47(6): 1470–1481. https://doi.org/10.2514/1.38888
4. Son E, Kim H, Choi W, Lee S. Integrated numerical method for the prediction of wind turbine noise and the long range propagation. Curr Appl Phys 2010; 10(2): S316–S319. https://doi.org/10.1016/j.cap.2009.11.034
5. Tadamasa A, Zangeneh M. Numerical prediction of wind turbine noise. Renew Energy 2011; 36(7): 1902–1912. https://doi.org/10.1016/j.renene.2010.11.036
6. Kim H, Lee S, Son E, Lee S, Lee S. Aerodynamic noise analysis of large horizontal axis wind turbines considering fluid–structure interaction. Renew Energy 2012; 42: 46–53. https://doi.org/10.1016/j.renene.2011.09.019
7. Rogers T, Omer S. The effect of turbulence on noise emissions from a micro-scale horizontal axis wind turbine. Renew Energy 2012; 41: 180–184. https://doi.org/10.1016/j.renene.2011.10.017
8. Rogers AL, Manwell JF, Wright S. Wind Turbine Acoustic Noise. Renewable Energy Research Laboratory, Amherst: University of Massachusetts; 2006.
9. Göçmen T, Özerdem B. Airfoil optimization for noise emission problem and aerodynamic performance criterion on small scale wind turbines. Energy 2012; 46(1): 62–71. https://doi.org/10.1016/j.energy.2012.05.036
10. Petkovića D, Shamshirband S, Anuar NB, Hairul M, Nasir MHNM, Pavlović NT, Akib S. RETRACTED: Adaptive neuro-fuzzy prediction of modulation transfer function of optical lens system. Infrared Phys Technol 2014; 65: 54–60. https://doi.org/10.1016/j.infrared.2014.03.011

Citation: The *PLOS ONE* Editors (2019) Retraction: Adaptive Neuro-Fuzzy Methodology for Noise Assessment of Wind Turbine. PLoS ONE 14(4): e0215801. https://doi.org/10.1371/journal.pone.0215801

Published: April 23, 2019