



# Expression of Concern: Potential of adaptive neuro-fuzzy inference system for evaluation of drought indices

Milan Gocić<sup>1</sup> · Shervin Motamedi<sup>2,3</sup> · Shahaboddin Shamshirband<sup>4</sup> · Dalibor Petković<sup>5</sup> · Roslan Hashim<sup>2,3</sup>

Published online: 29 May 2019

© Springer-Verlag GmbH Germany, part of Springer Nature 2019

**Expression of Concern: Stoch Environ Res Risk Assess (2015) 29:1993–2002**  
<https://doi.org/10.1007/s00477-015-1056-y>

The Editor-in-Chief of Stochastic Environmental Research and Risk Assessment is issuing an editorial expression of concern to alert readers that this article (Gocić et al. 2015) shows substantial indication of irregularities in authorship during the submission process. The authors suggested peer reviewers whose identities could not be verified. This article contains overlap with the following articles (amongst others) (Mohammad et al. 2015; Pourtahmasb et al. 2015; Pourtousi et al. 2015; Tarighat 2012; Melin and Castillo 2005; Malhotra and Malhotra 2002). The authors do not agree to this expression of concern.

The original article can be found online at  
<https://doi.org/10.1007/s00477-015-1056-y>.

✉ Shahaboddin Shamshirband  
shamshirband@um.edu.my

<sup>1</sup> Faculty of Civil Engineering and Architecture, University of Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia

<sup>2</sup> Institute of Ocean and Earth Sciences (IOES), University of Malaya, 50603 Kuala Lumpur, Malaysia

<sup>3</sup> Department of Civil Engineering, Faculty of Engineering, University of Malaya, 50603 Kuala Lumpur, Malaysia

<sup>4</sup> Department of Computer System and Information Technology, Faculty of Computer Science and Information Technology, University of Malaya, 50603 Kuala Lumpur, Malaysia

<sup>5</sup> Department for Mechatronics and Control, Faculty of Mechanical Engineering, University of Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia

## References

- Gocić M, Motamedi S, Shamshirband S et al (2015) Potential of adaptive neuro-fuzzy inference system for evaluation of drought indices. *Stoch Environ Res Risk Assess* 29:1993. <https://doi.org/10.1007/s00477-015-1056-y>
- Malhotra R, Malhotra DK (2002) Differentiating between good credits and bad credits using neuro-fuzzy systems. *Eur J Oper Res* 136:190–211. [https://doi.org/10.1016/S0377-2217\(01\)00052-2](https://doi.org/10.1016/S0377-2217(01)00052-2)
- Melin P, Castillo O (2005) Supervised learning neural networks. In: Hybrid intelligent systems for pattern recognition using soft computing. *Studies in fuzziness and soft computing*, vol 172. Springer, Berlin, Heidelberg
- Mohammad K, Shamshirband S, Tong WC et al (2015) Potential of adaptive neuro-fuzzy system for prediction of daily global solar radiation by day of the year. *Energy Convers Manag* 93:406–413. <https://doi.org/10.1016/j.enconman.2015.01.021>
- Pourtahmasb MS, Karim MR, Shamshirband S (2015) Resilient modulus prediction of asphalt mixtures containing recycled concrete aggregate using an adaptive neuro-fuzzy methodology. *Constr Build Mater* 82:257–263. <https://doi.org/10.1016/j.conbuildmat.2015.02.030>
- Pourtousi M, Sahu JN, Ganesan P et al (2015) A combination of computational fluid dynamics (CFD) and adaptive neuro-fuzzy system (ANFIS) for prediction of the bubble column hydrodynamics. *Powder Technol* 274:466–481. <https://doi.org/10.1016/j.powtec.2015.01.038>
- Tarighat A (2012) Fuzzy inference system as a tool for management of concrete bridges. In: Mohammad Fazle Azeem (ed) *Fuzzy inference system*. IntechOpen. <https://doi.org/10.5772/35751>

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.