

Correction

# Correction: Dehkordi et al. An Empirical Relation for Estimating Sediment Particle Size in Meandering Gravel-Bed Rivers. *Water* 2024, 16, 444

Arman Nejat Dehkordi <sup>1</sup>, Ahmad Sharafati <sup>1,\*</sup>, Mojtaba Mehraein <sup>2</sup> and Seyed Abbas Hosseini <sup>1</sup>

<sup>1</sup> Department of Civil Engineering, Science and Research Branch, Islamic Azad University, Tehran, Iran; dehkordiarman@yahoo.com (A.N.D.); abbas\_hoseyni@srbiau.ac.ir (S.A.H.)

<sup>2</sup> Faculty of Engineering, Kharazmi University, Tehran, Iran; mehraein@khu.ac.ir

\* Correspondence: asharafati@gmail.com

There were errors in the original publication [1]. The initial changes made to the manuscript were related to capitalizing the first letter of words defined for abbreviation which can be seen in the following cases.

Corrections made in the Abstract include the General Additive Model (GAM), Multivariate Adaptive Regression Spline (MARS), and Root-Mean-Square Error (RMSE). In Section 1, paragraph 3, the following corrections were made: Generalized Additive Model (GAM), Multivariate Adaptive Regression Spline (MARS), Support Vector Machine (SVM). The following edits were made in Section 2.1, paragraph 4, Specific Gravity (SG); in Section 3.1, Root-Mean-Square Error (RMSE) and the Mean Absolute Error (MAE); in Section 3.2, Generalized Additive Model (GAM); in Section 4, Mean Absolute Percentage Error; and in Section 4.3, Standard Deviation (SD).

In Section 1, paragraph 1, the sentence “Increasing the bed median sediment size with bed shear stress was established [11]” was changed. We changed it as follows: “They proved the increasing of the bed median sediment size with bed shear stress [11]”.

In Figure 1, too small letters were made a little bigger to be read easily.

We also updated Figure 1:



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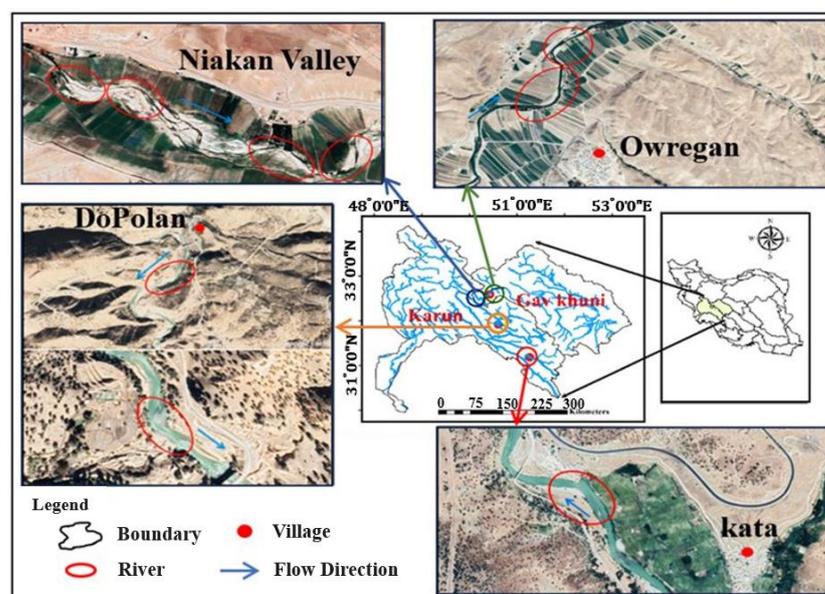
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In Section 2.1, paragraph 5, the definition of U.S.C.S. was given for it to be understood much better. We edited the sentence as “Calculated flow parameters, including the average

flow velocity and the bed shear stress, were determined regarding the mid-section method and consideration of the formula  $\tau_b = \rho_w g R_h S$ , respectively". Also, the case of hydraulic depth was clearly expressed.

In Table 1, the index of Angle of internal friction was edited to  $\varphi$ . The parameters  $g$  and  $\rho_w$  are described in Section 2.1, paragraph 5.

In Section 2.2, paragraph 1, the word "dynamic" was added to the expression. The words "was", "be", and "that" were added to the sentences.

In Section 3.1, paragraph 2, in order to clarify RMSE and MAE, their mathematical definitions were added.

In Section 3.1, Table 4  $p$ -value were edited. In Equation (8), the definition of  $c_0$  was added.

In Figures 2, 3 and 6, some format problems have been addressed.

In Figures 4a,b and 5, the definition of the straight bold line is changed observed into the 1:1 line.

In Section 3.2, paragraph 4, was changed as "A polynomial function with order 3 created the best match of  $T/d_{50}$  versus  $\theta_{shields}$  and  $F_r$  with  $R^2$  values of 0.87 and 0.16, respectively. Also, the best-fitted function for  $T/d_{50}$  versus  $R_c/T$  appeared to be the logarithmic form with the highest  $R^2$  equal to 0.77".

In Section 3.3, the mathematical relation of MAPE was signified.

Table 8, "Power" was edited.

In Section 4.3, paragraph 3, "These demonstrate that the MARS is more suitable for the prediction of  $T/d_{50}$  than the other methods." was edited. Also, in the conclusion all the editorial corrections were changed.

In the references list, the changes needed for ref. 6 were applied, was changed as "Odgaard, A.J. Grain Size Distribution of River Bed Armor Layers. *J. Hydraul. Eng.* **1984**, *110*, 1479–1484. [https://doi.org/10.1061/\(ASCE\)0733-9429\(1984\)110:10\(1479\)](https://doi.org/10.1061/(ASCE)0733-9429(1984)110:10(1479))".

The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

## Reference

1. Dehkordi, A.N.; Sharafati, A.; Mehraein, M.; Hosseini, S.A. An Empirical Relation for Estimating Sediment Particle Size in Meandering Gravel-Bed Rivers. *Water* **2024**, *16*, 444. [[CrossRef](#)]

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