Correction to: Modeling directional distributions of wind data in the United Arab Emirates at different elevations

Aishah Al Yammahi¹ · Prashanth R. Marpu² · Taha B. M. J. Ouarda³

Published online: 2 August 2021

© Saudi Society for Geosciences 2021

Arabian Journal of Geosciences (2021) 14:774

<https://doi.org/10.1007/s12517-021-06864-3>

The original version of this paper was published with error. Figure captions were incorrectly assigned to each image. Journal production expresses their sincere apology and corrected the figures in this article. Given in this article are the correct figures and captions.

The original article has been corrected.

The online version of the original article can be found at <https://doi.org/10.1007/s12517-021-06864-3>

✉ Aishah Al Yammahi
aishah.alymmahi@ku.ac.ae

Prashanth R. Marpu
prashanth.marpu@g42.ai

Taha B. M. J. Ouarda
Taha.Ouarda@ete.inrs.ca

¹ Khalifa University, Abu Dhabi, United Arab Emirates

² Group 42, Abu Dhabi, United Arab Emirates

³ Institut National de la Recherche Scientifique, INRS-ETE, Québec, Québec, Canada

Fig. 1 Flow chart of hypothesis testing

Fig. 2 Geographical location of the sites of the case study

Fig. 3 (a) Wind rose diagrams for Al Badiyah station which gathered at 10 m height and (b) wind rose of ADIA station and wind blow up to 22.623 m. The scale represents the height in meter

Fig. 4 Probability density function of VM distribution for all elevations at Al Badiyah

Fig. 5 Probability density function of VM distribution at ADIA

Fig. 6 Comparison of the empirical cumulative probability with the VM cumulative distribution of wind direction for all elevations at Al Badiyah

Fig. 7 Comparison of the empirical cumulative probability with the VM cumulative distribution of wind direction at ADIA

Fig. 8 Probability density functions of the separated components of the FMVM distribution at 10 m height at Al Badiyah

Fig. 9 Probability density functions of the separated components of the FMVM distribution at ADIA

Fig. 10 Comparison of the empirical cumulative probability of wind direction at 10 m height with the FMVM cumulative distributions of wind direction for all elevations at Al Badiyah

Fig. 11 Comparison of the empirical cumulative probability with the FMVM cumulative distribution of wind direction at ADIA