Correction: Plant Water Use Efficiency over Geological Time—Evolution of Leaf Stomata Configurations Affecting Plant Gas Exchange

Shmuel Assouline, Dani Or

There are errors in Eq 6 and its description. Please view the complete, correct equation here:

\[ R_1 = \frac{l}{k a d} \]

where \( l \) is the thickness of the diffusion barrier or membrane [mm], approximated in the case where it represents the stomatal depth by \( l = r = \sqrt{\frac{a}{\pi}} \), \( k \), the ratio of water vapor diffusivity to air molar volume; \( a = \pi r^2 \), the pore area [mm\(^2\)]; and \( d \), the pore density [mm\(^{-2}\)].

There are errors in Eq 7 and its description. Please view the complete, correct equation here:

\[ \frac{1}{g_{ws}} = \frac{1}{R_{ws}} = \frac{k a_{max} d}{(l + \frac{a}{2} \sqrt{\frac{a_{max}}{\pi}})} \]

where \( a_{max} \) is the stomata maximum aperture, and \( R_{ws} = R_1 + \frac{1}{2krd} \), which accounts for the addition of two end corrections to the pore resistance \( R_1 \) [33].

There are errors in Fig 3 and its legend. Please see the corrected Fig 3 here.
**Reference**

1. Assouline S, Or D (2013) Plant Water Use Efficiency over Geological Time—Evolution of Leaf Stomata Configurations Affecting Plant Gas Exchange. PLoS ONE 8(7): e67757. doi:10.1371/journal.pone.0067757 PMID: 23844085