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SPECIALTY SECTION  
This article was submitted to  
Sustainable and Intelligent Phytoprotection,  
a section of the journal  
Frontiers in Plant Science

RECEIVED 07 November 2022  
ACCEPTED 13 December 2022  
PUBLISHED 24 January 2023

CITATION  
Ling Z, Shi Z, Gu S, Wang T, Zhu W and  
Feng G (2023) Corrigendum: Impact of  
climate change and rubber (*Hevea  
brasiliensis*) plantation expansion on  
reference evapotranspiration in  
Xishuangbanna, Southwest China.  
*Front. Plant Sci.* 13:1092168.  
doi: 10.3389/fpls.2022.1092168

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# Corrigendum: Impact of climate change and rubber (*Hevea brasiliensis*) plantation expansion on reference evapotranspiration in Xishuangbanna, Southwest China

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## KEYWORDS

climate change, rubber plantation, sensitivity coefficient, contribution rate, reference evapotranspiration

## A corrigendum on

Impact of climate change and rubber (*Hevea brasiliensis*) plantation expansion on reference evapotranspiration in Xishuangbanna, Southwest China

By Ling Z, Shi Z, Gu S, Wang T, Zhu W and Feng G (2022) *Front. Plant Sci.* 13:830519. doi: 10.3389/fpls.2022.830519

In the published article, there was an error in [Table 3](#). We made a mistake when we wrote the “Average relative humidity” data of correlation coefficients of  $ET_0$  as “5.” The corrected [Table 3](#) appears below.

TABLE 3 Correlation coefficients of  $ET_0$  and meteorological variables.

Sites	Average temperature	Average relative humidity	Sunshine duration	Wind speed
Menghai	0.27	-0.32	0.53	0.09
Jinghong	0.34	-0.38	0.51	0.06
Mengla	0.31	-0.36	0.54	0.07
Jiangcheng	0.37	-0.32	0.50	0.11
Puer	0.31	-0.35	0.51	0.12
Langcan	0.28	-0.38	0.49	0.11
Mean value	0.31	-0.35	0.51	0.09

In the published article, Tables 3, 4 and 5 were incorrectly numbered. The corrected table numbers are below.

TABLE 3 Interannual variation trend of meteorological elements at each meteorological station.

Station Name	Precipitation (mm yr <sup>-1</sup> )	Sunshine duration (h d <sup>-1</sup> yr <sup>-1</sup> )	Average relative humidity (% yr <sup>-1</sup> )	Average wind speed (m s <sup>-1</sup> yr <sup>-1</sup> )	Maximum Temperature (°C yr <sup>-1</sup> )	Minimum Temperature (°C yr <sup>-1</sup> )
Menghai	-0.005	0.016	-0.120	0.005	0.035	0.051
Mengla	-0.015	0.011	-0.959	0.012	0.030	0.031
Jinghong	-0.034	0.015	-0.137	0.012	0.033	0.030
Jiangcheng	-0.019	-0.00003	-0.089	-0.009	0.028	0.039
Pu'er	-0.019	0.013	-0.162	-0.002	0.030	0.061
Lancang	-0.014	0.017	-0.083	0.006	0.017	0.041
Mean	-0.018	0.012	-0.258	0.004	0.029	0.042

TABLE 4 Linear correlation coefficient between ET<sub>0</sub> of each station and annual mean meteorological elements.

Sites	Maximum temperature	Minimum Temperature	Average relative humidity	Wind Speed	Sunshine Duration	Precipitation
Menghai	0.35*	0.49**	-0.55**	0.49**	0.69**	-0.29*
Mengla	0.47**	0.20	-0.52**	0.15	0.86**	-0.02
Jinghong	0.62**	0.42**	-0.57**	0.59**	0.09	-0.07**
Jiangcheng	0.49**	0.34*	-0.52**	-0.19	0.37*	-0.15
Pu'er	0.73**	0.77**	-0.88**	-0.13	0.71**	-0.37*
Lancang	0.51**	0.32*	-0.64**	0.12	0.59*	-0.08

\*Significance at 0.05; \*\*Significance at 0.01.

TABLE 5 Correlation coefficients of ET<sub>0</sub> and meteorological variables .

Station	Average Temperature	Average Relative Humidity	Sunshine Duration	Wind Speed
Menghai	0.27	-0.32	0.53	0.09
Jinghong	0.34	-0.38	0.51	0.06
Mengla	0.31	-0.36	0.54	0.07
Jiangcheng	0.37	-0.32	0.5	0.11
Pu'er	0.31	-0.35	0.51	0.12
Langcan	0.28	-0.38	0.49	0.11
Mean	0.31	-0.35	0.51	0.09

In the published article, there was an error in the **Sensitivity Analysis of ET<sub>0</sub> to Each Meteorological Element** section, second paragraph. We mixed the data of other research by mistake and the below sentence is removed.

“Wind speed in Xishuangbanna showed the largest change which is followed by sunshine duration, average relative humidity, and air temperature with 11.71%, 4.39%, 4.32%, and 2.84%, respectively.”

In the published article, a table was incorrectly cited in the **Characterization of Meteorological Elements in Rubber**

**Plantation Areas in Xishuangbanna** section, paragraph 1. The corrected sentence appears below:

“Temperature, sunshine duration, and average wind speed increased, whereas average relative humidity and precipitation decreased in Xishuangbanna from 1970 to 2017, as shown in Table 3.”

In the published article, a table was incorrectly cited in the **Attribution Analysis of ET<sub>0</sub> Change of in Xishuangbanna** section, paragraph 1. The corrected sentence appears below:

“According to formula (1), we selected six meteorological factors for correlation analysis with the annual ET<sub>0</sub> in

the rubber plantation area of Xishuangbanna, as shown in [Table 4](#).”

In the published article, a table was incorrectly cited in the **Attribution Analysis of ET<sub>0</sub> Change of in Xishuangbanna** section, paragraph 2. The corrected sentence appears below:

“It was significantly negatively correlated with RH, and the correlation coefficients of 0.52-0.89 (shown in [Table 4](#)).”

In the published article, a table was incorrectly cited in the **Attribution Analysis of ET<sub>0</sub> Change of in Xishuangbanna** section, paragraph 2. The corrected sentence appears below:

“The sensitivity coefficients of different station meteorological variables on ET<sub>0</sub>variation in Xishuangbanna region are shown in [Table 5](#).”

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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