



Corrigendum: Moisture Changes in the Northern Xinjiang Basin Over the Past 2400 Years as Documented in Pollen Records of Jili Lake

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A Corrigendum on

Moisture Changes in the Northern Xinjiang Basin Over the Past 2400 Years as Documented in Pollen Records of Jili Lake

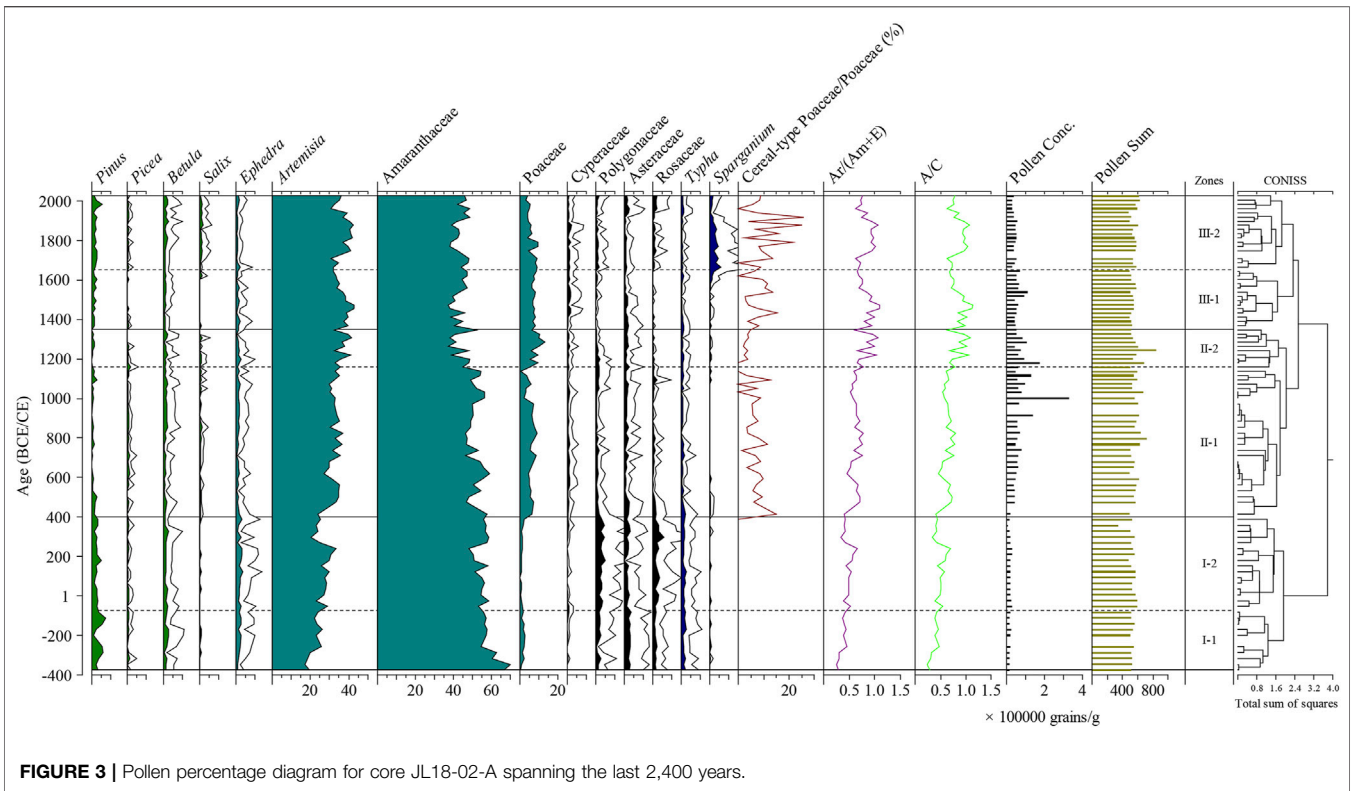
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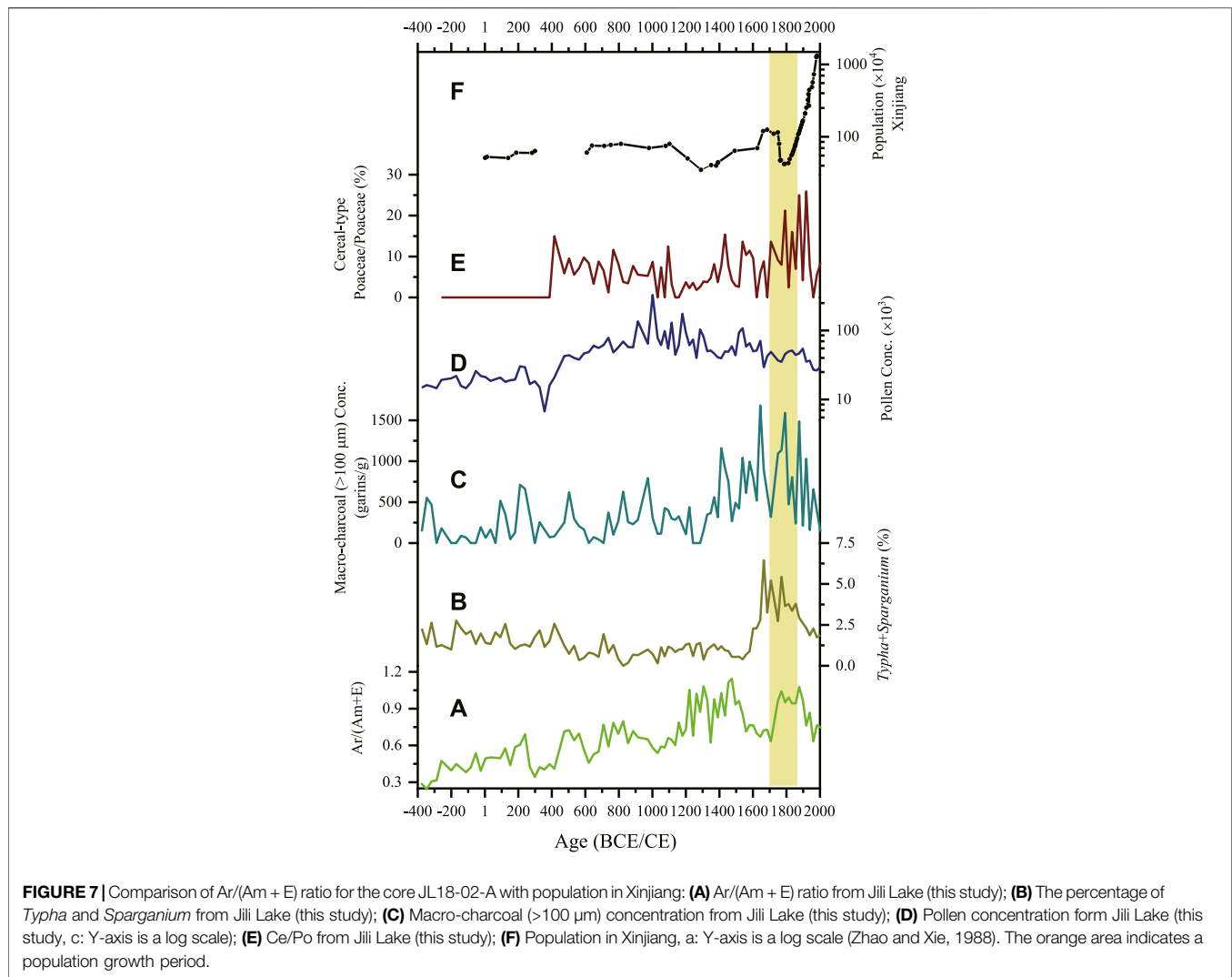
In the original article, there were multiple errors in the text. A correction has been made to the **Abstract**, whereby the line “northern Xinjiang remain largely unclear” should read “northern Xinjiang remains largely unclear”.

Another correction is introduced on page 6, in the section sub-titled “Comparison of Regional Moisture Changes in the Late Holocene”. **Figure 5** should be the only cited figure in this section and **Figures 3 and 4** were mentioned erroneously. Further the first abbreviation of “PHI” should read “pollen humidity index (PHI)”, and Line 14 “Yushenkushi Peat” should read “Yushenkule Peat”.

On page 8, Line 4 the citation of **Figure 5B** should read **Figure 5I**, and in Paragraph 2, Line 13 the figure citation **Figures 6B,C,E** should read **Figures 6B–D**.

Some corrections were also made in the **Conclusion**. The section should read as follows:





“The high-resolution pollen record from core JL18-02-A reveals the evolution of vegetation in Jili Lake and its surrounding area over the last 2400 years in response to climate drivers and human impact (. . .)

Pollen assemblages indicated that regional vegetation dominated by desert gradually shifted into a desert steppe. The moisture was characterized by the “warm-dry” periods of RWP (c. 1 to c. 400 CE), MWP (c. 850 to c. 1200 CE) and CWP (since 1850 CE), and the “cold-wet” periods of DACP (c. 400 to c. 850 CE) and LIA (c. 1200 to c. 1850 CE). Over the last 2400 years, the monsoon had little influence on moisture changes in the Jili Lake basin. Notably, during 1700–1850 CE, the increase of the percentages in aquatic pollen (*Typha* and *Sparganium*) and cereal-type Poaceae pollen reflecting anthropogenic impacts, and the rise of macro-charcoal and population may result from the intensified irrigation for agriculture in the catchment.

At the end of the main text, two references “(Fang, 1989; Zhang and Feng, 2018a)” should also be deleted.

Finally, in the original article, the author provided incorrect versions of **Figures 3** and **7** during proofreading. The correct figures appear below.

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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