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Correction

Correction: Peng et al. Effect of Sugarcane Bagasse Content and Modification on the Properties of Sugarcane Bagasse/Poly(lactic Acid) Biocomposites. *Molecules* 2025, *30*, 1583

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Error in Figure/Table

In the original publication [1], there was a mistake in "Table 2. The DSC testing outcomes of PLA and SB/PLA biocomposites", "Table 4. Main thermal degradation parameters of the SB-30/PLA, Mg-SB/PLA, and Na-SB/PLA biocomposites", and "Table 5. DSC analysis parameters of the SB-30/PLA, Mg-SB/PLA, and Na-SB/PLA biocomposites" as published.

The T_{cc} values shown in Table 2 were misread from the DSC curves (Figure 4); the correct values should be 119.9 °C for PLA, 113.3 °C for SB-10/PLA, 115.3 °C for SB-20/PLA, 116.9 °C for SB-30/PLA, 116.8 °C for SB-40/PLA, and 114.9 °C for SB-50/PLA.

Owing to the correction of the T_{cc} values in Table 2, some explanation in the Section "2.1.3. Effects of SB Content on the Melt and Crystallization Behavior of the Biocomposites" has been modified accordingly; i.e., the description of "…, and SB-30/PLA had the greatest T_{cc} value of 128.20 °C and a T_m value of 159.01 °C." was corrected to "…, and SB-30/PLA had the greatest T_{cc} value of 116.9 °C and a T_m value of 159.01 °C."

The X_c value is calculated by Equation (1); the X_c value of SB-30/PLA in Table 5 was recorded as 4.28% due to miscalculation, and the result has been corrected to 16.8% after a correct calculation. Meanwhile, the T_m and ΔH_m values of SB-30/PLA in Table 5 were recorded as 156.7 °C and 22.52 J/g because of the clerical error; they have been corrected to 159.0 °C and 29.52 J/g.

Owing to the correction of the X_c value in Table 5, some explanation in the Section "2.2.3. Effects of SB Modification on the Melt and Crystallization Behavior of the Biocomposites" was modified accordingly; i.e., the description of "As discussed before, SB could be distributed much better in the resin after its modification, and more heterogeneous nucleation sites were produced, resulting in increased crystallinity from 4.28% to 5.22% for SB-30/PLA, an increase of 21.96% for Mg-SB/PLA, and an increase to 10.15% (i.e., by 137.15%) for Na-SB/PLA." has been deleted, and, accordingly, the description of "…increases in the flexural strength, flexural modulus, impact strength, and crystallinity of SB-30/PLA" in the abstract has been corrected to "…increases in the flexural strength, flexural modulus, and impact strength of SB-30/PLA".

The T_i values of Mg-SB/PLA and Na-SB/PLA, as well as the char residue of Mg-SB/PLA in Table 4, were misread from Figure 12; they have now been corrected to be 309.05 °C, 302.07 °C, and 4.18%, respectively. Accordingly, the description of "with an increased T_i and T_p of 6.56 °C and 4.31 °C, correspondingly" in Section "2.2.4. Effects of SB

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Modification on the Thermal Stability of the Biocomposites" has been corrected as "with an increased T_i and T_p of 24.72 °C and 7.32 °C, correspondingly".

Figure 16 illustrates the flowchart for the preparation of biocomposites. It was moved from Section "2 Results and discussion" to Section "3 Experimentals".

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. Peng, Y.; Lei, W.; Yu, W.; Chen, Y. Effect of Sugarcane Bagasse Content and Modification on the Properties of Sugarcane Bagasse/Poly(lactic Acid) Biocomposites. *Molecules* **2025**, *30*, 1583. [CrossRef] [PubMed]

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