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Corrigendum: The fabrication of a gellan gum-based hydrogel loaded with magnesium ions for the synergistic promotion of skin wound healing

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gellan gum, magnesium ion, polyacrylamide, skin wounds, hydrogel

A Corrigendum on
The fabrication of a gellan gum-based hydrogel loaded with magnesium ions for the synergistic promotion of skin wound healing

by Li W, Jian X, Zou Y, Wu L, Huang H, Li H, Hu D and Yu B (2021). Front. Bioeng. Biotechnol. 9:709679. doi: 10.3389/fbioe.2021.709679

In the published article, there was an error in **Affiliation** 2. Instead of "Gungdong provincial engineering technology research center for sports assistive devices, Guangzhou Sport University, Guangzhou, China.", it should be "Guangdong Provincial Engineering Technology Research Center for Sports Assistive Devices, Guangzhou Sport University, Guangzhou, China."

In the published article, there was an error in the order of "**Graphical Abstract**, Scheme 1, and Figure 1", and in the legend for "Scheme 1, Figure 1" as published. The corrected order and legend appears below.

In the published article, there was an error in Figure 6 as published. The corrected Figure 6 and its caption appear below.

The authors apologize for these error 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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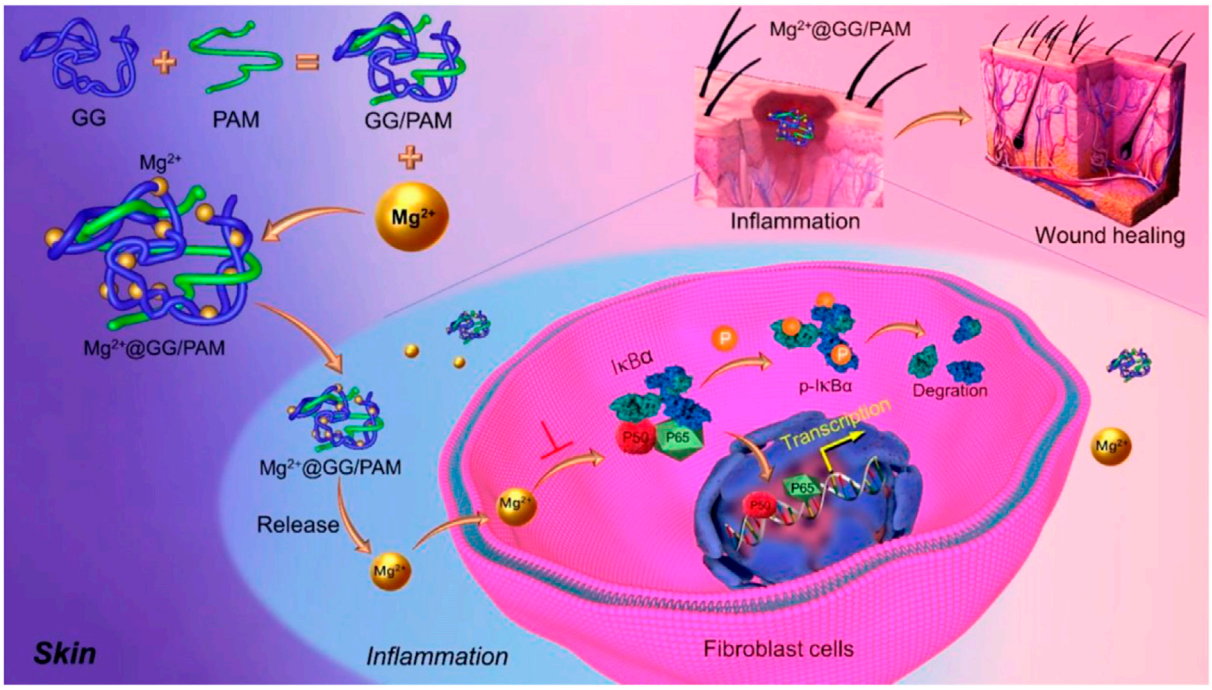
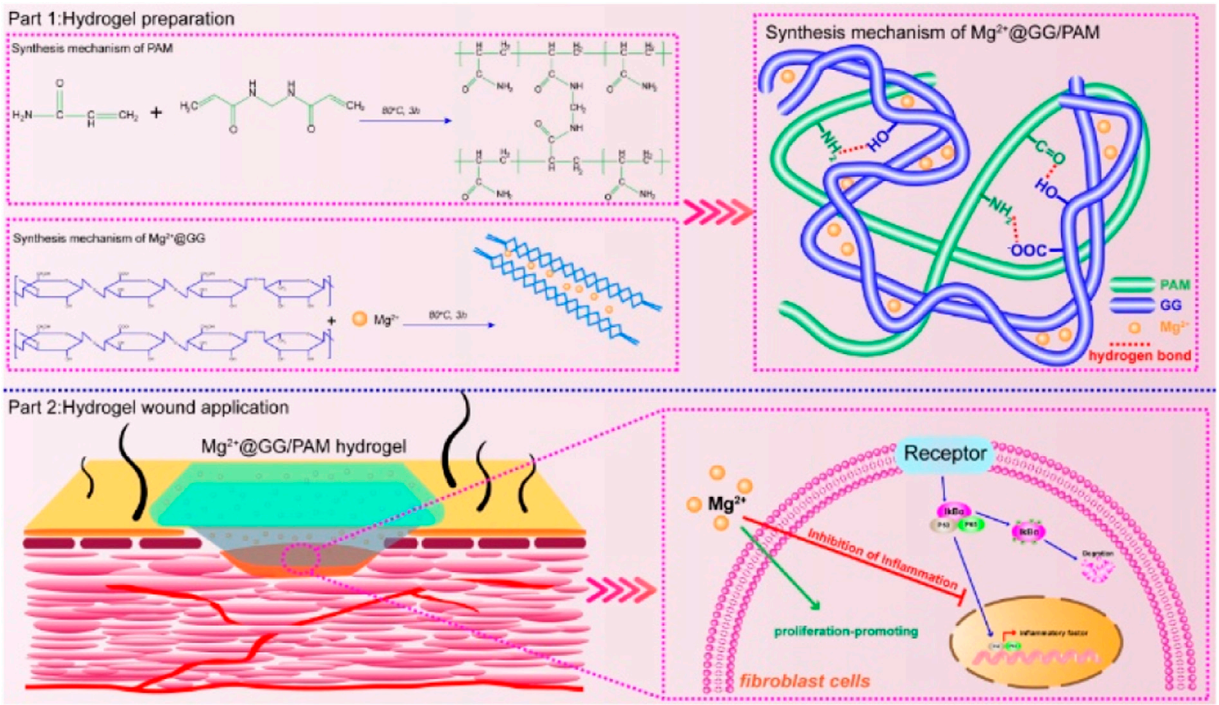


GRAPHICAL ABSTRACT



SCHEME 1
Schematic illustration of synthesis procedure for Mg^{2+}@GG/PAM hydrogel and the repair mechanism of Mg^{2+} ions from Mg^{2+}@GG/PAM hydrogel in the burn wound.

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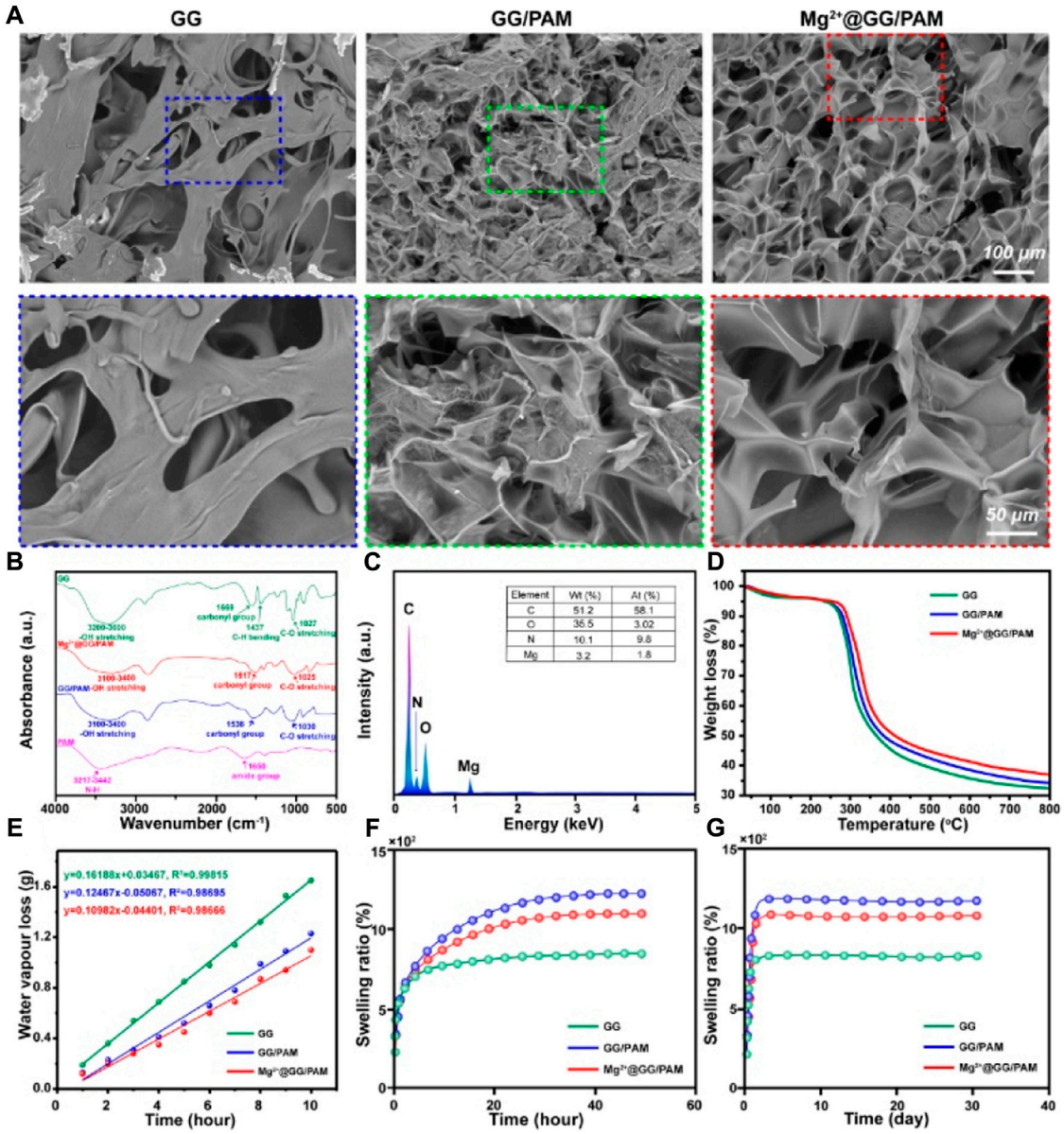

FIGURE 1
Characterization of Mg^{2+}@GG/PAM hydrogel **(A)** SEM **(B)** FT-IR **(C)** EDS analysis **(D)** TGA **(E)** Water vapor transmission rate **(F–G)** Swelling ratio.

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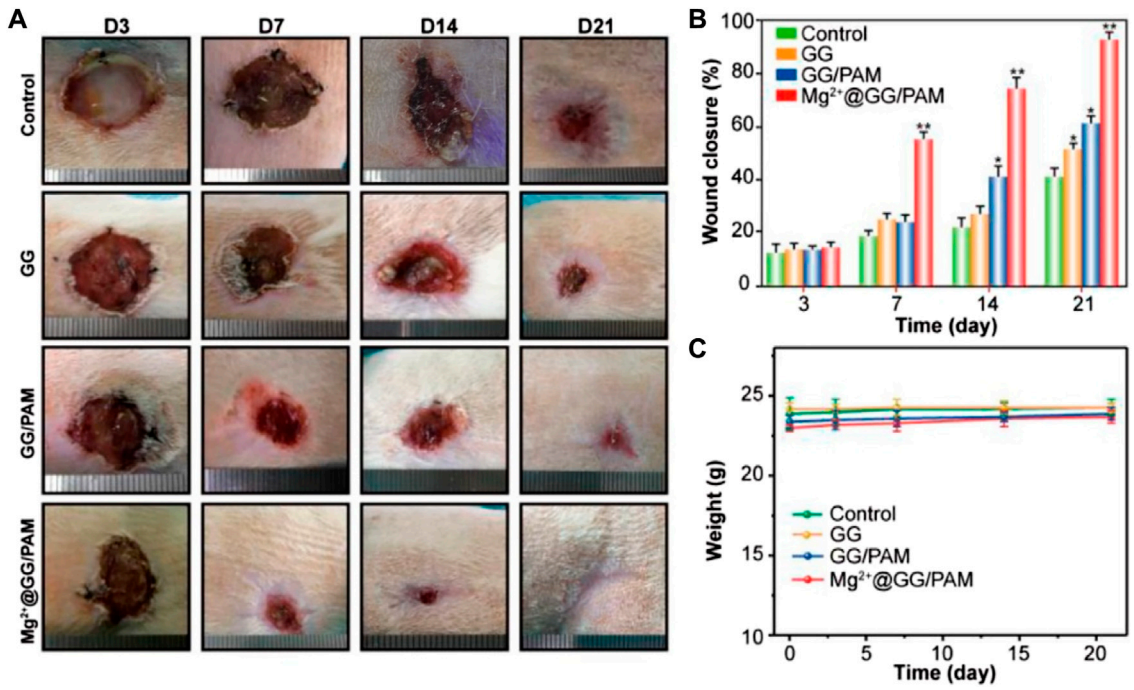

FIGURE 6
Macroscopic observation **(A)**, statistical analysis **(B)**, and weight changes **(C)** of wound healing process at 3, 7, 14, and 21 days, after treatment with PBS (control), GG, GG/PAM, and $Mg2^{+}$@GG/PAM. The values are represented as mean ± SD (n = 6). *p < 0.05, **p < 0.01 vs control.