

CORRECTION

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Correction: Lotus (*Nelumbo nucifera*): a multidisciplinary review of its cultural, ecological, and nutraceutical significance

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<https://doi.org/10.1186/s40643-024-00734-y>

Some of the original images in this paper (Yang et al. 2024) were generated using AI to visually illustrate key concepts; however, it was later discovered that some of the images contained inaccurate information. Additionally, the description of Table 1 was identified as being inaccurate, and we sincerely apologize for any confusion this may have caused. To address this, we have carefully reviewed and replaced each AI-generated image that

lacked precision with manually taken, authentic photographs, and revised the description of Table 1 to ensure its accuracy and clarity. These replacement images are free from post-editing and faithfully capture the intended scientific details, ensuring both accuracy and clarity. Our goal is to provide readers with reliable visual content that supports a clear understanding of the material, without raising concerns about misrepresentation or copyright issues. Below is a list of the original images and tables, along with their revised counterparts, which now accurately reflect the content discussed in the paper.

The original article can be found online at <https://doi.org/10.1186/s40643-024-00734-y>.

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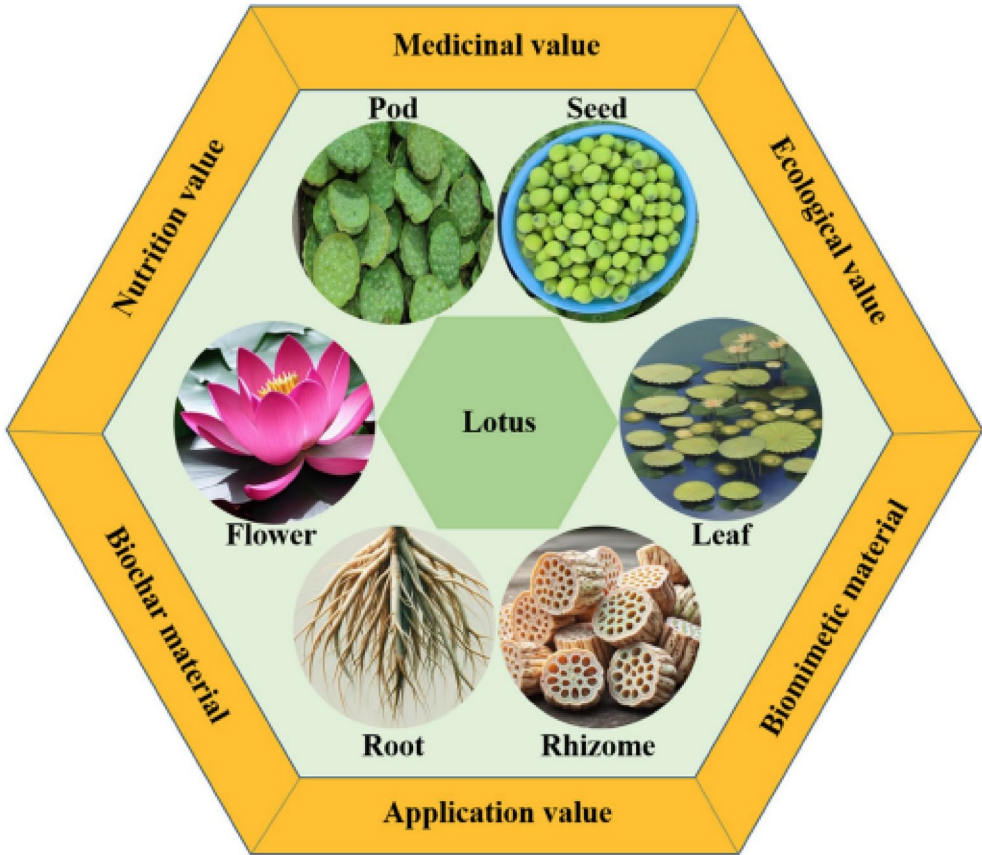
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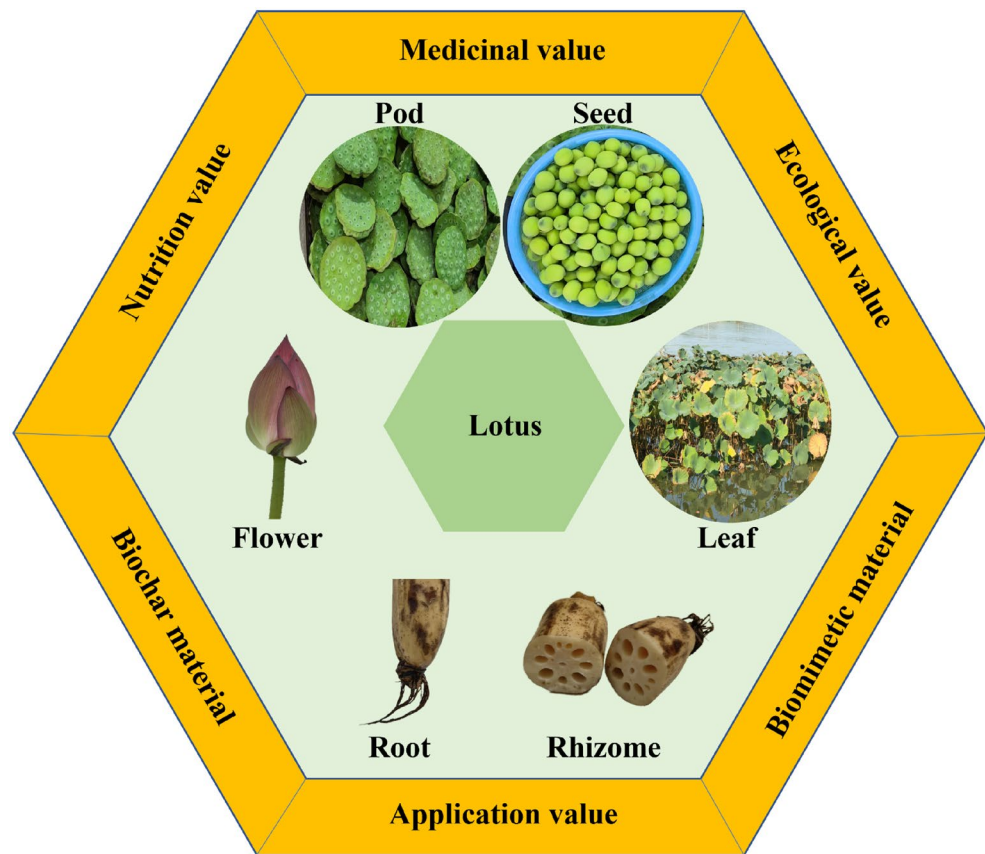


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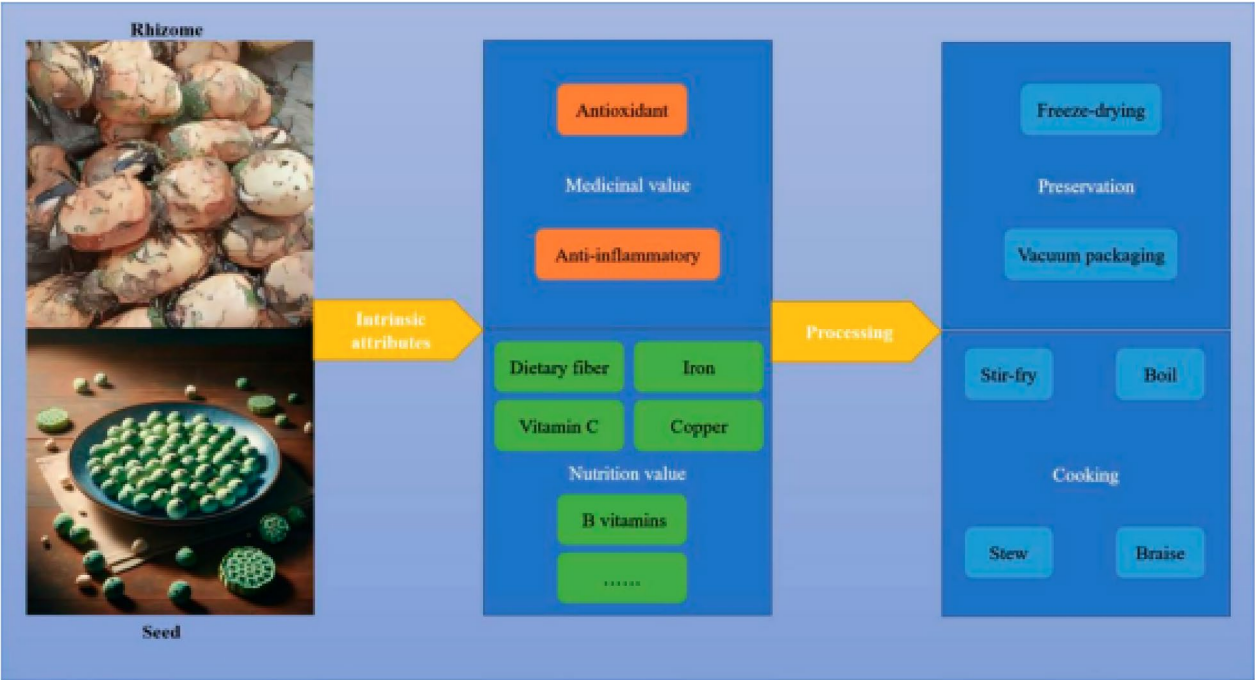
Incorrect graphical abstract:



Corrected graphical abstract:



Incorrect Fig. 3



Corrected Fig. 3

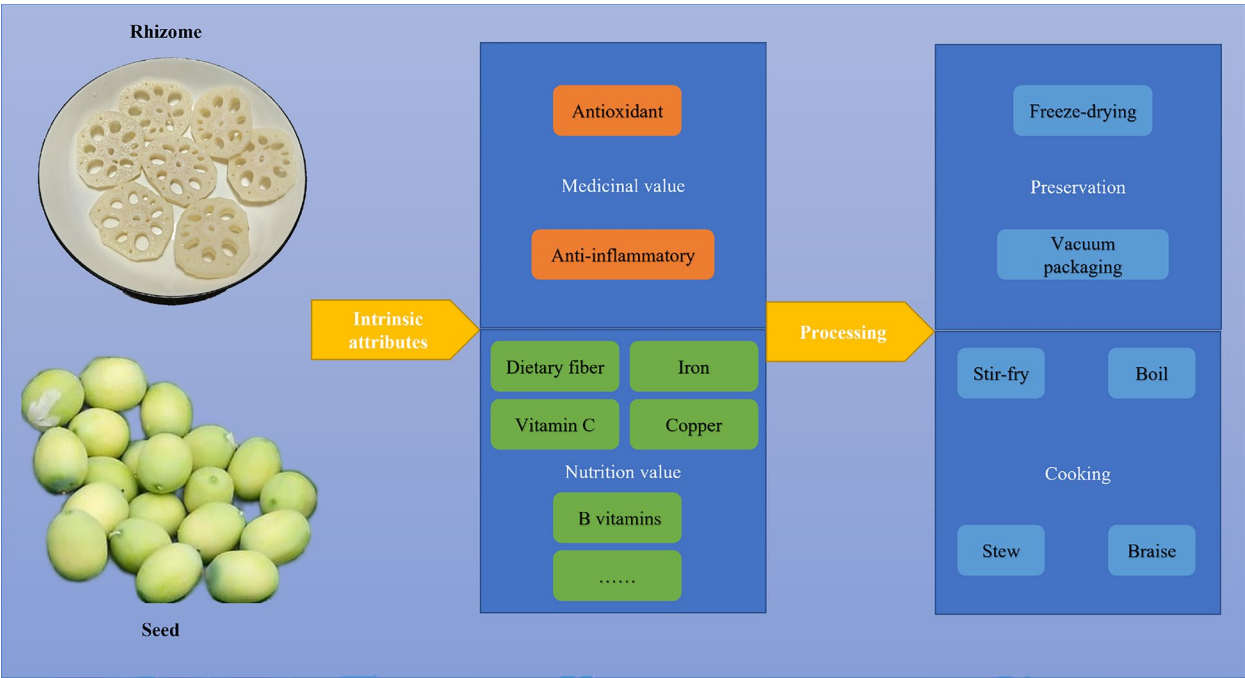
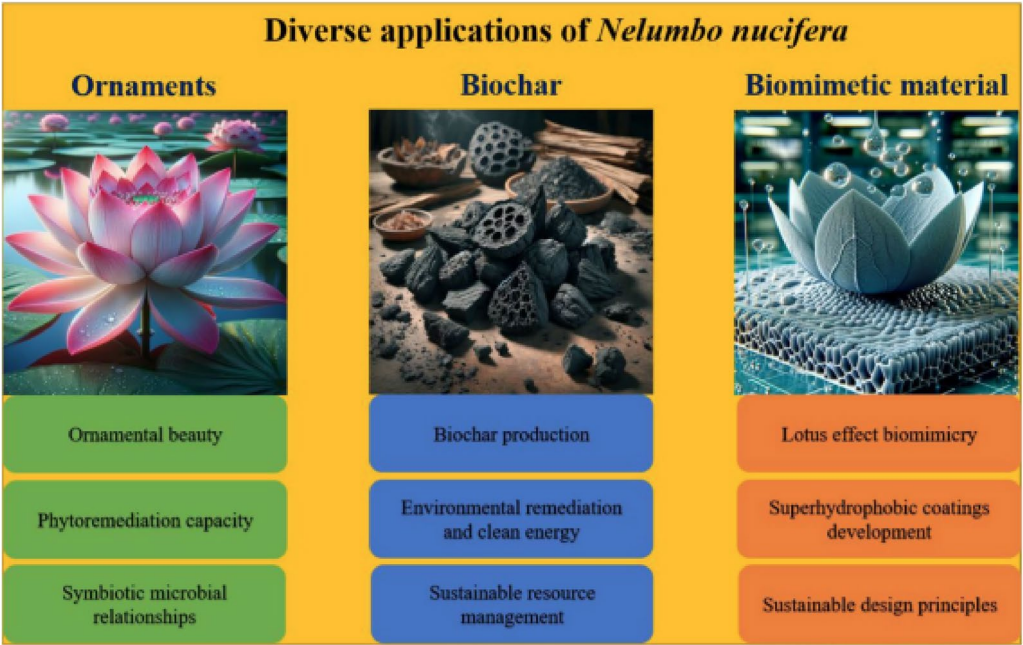


Fig. 3 The schematic diagram of the nutritional and health benefits of lotus

Incorrect Fig. 4



Corrected Fig. 4

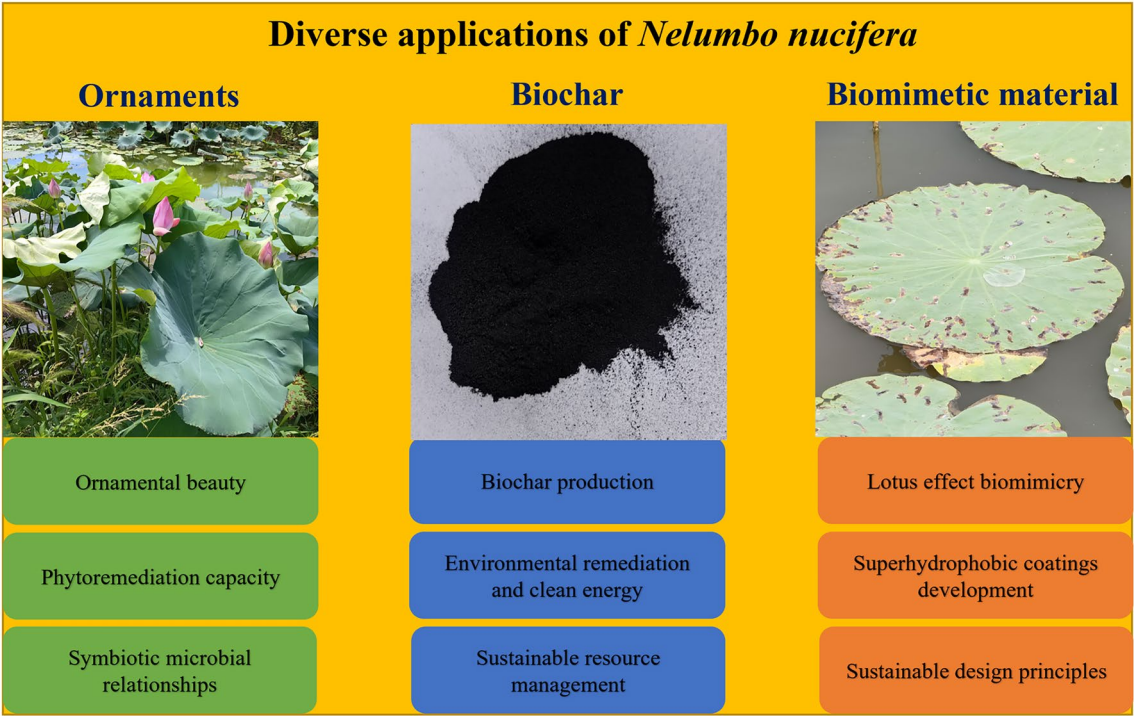
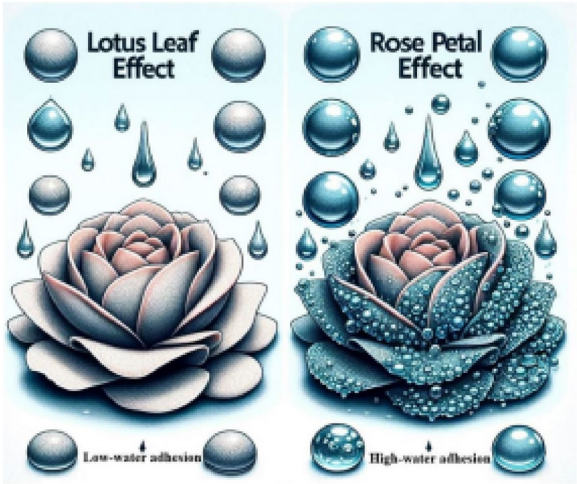


Fig. 4 The schematic diagram of the diverse applications of lotus

Incorrect Fig. 5



Corrected Fig. 5

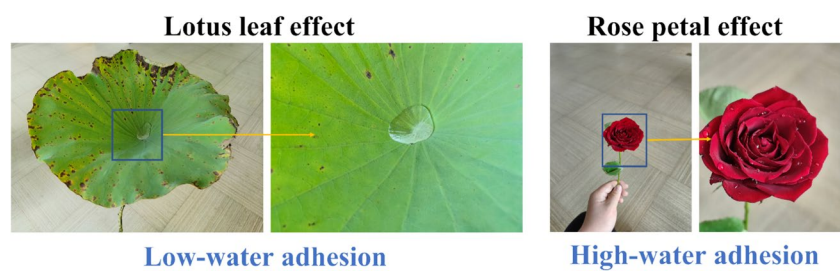


Fig. 5 Illustration of rose petal and lotus leaf effects

Incorrect Table 1

Table 1 Overview of different lotus species and their distinctive attributes

Common name	Scientific name	Origin	Characteristics	Habitat
Sacred Lotus	<i>Nelumbo nucifera</i>	Asia and Australia	Large, fragrant pink or white flowers; broad, round leaves	Ponds, lakes, and water gardens
American Lotus	<i>Nelumbo lutea</i>	North America	Yellow flowers; large, round leaves with a distinctive notch	Slow-moving rivers and lakes
Egyptian White Water-lily	<i>Nymphaea lotus</i>	Egypt	White flowers with a yellow center; night-blooming	Still or slow-moving water bodies
Pygmy Water-lily	<i>Nymphaea tetragona</i>	Eurasia	Small white or pink flowers; small, round leaves	Cold, still freshwater bodies
Blue Lotus	<i>Nymphaea caerulea</i>	Ancient Egypt	Vibrant blue flowers; used in traditional medicine and for ornamental purposes	Freshwater habitats; ornamental ponds

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Reference
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