Growing Furniture as a Method for Enhancing Sustainable Design

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Abstract:
Contemporary furniture design is continually advancing, offering new materials, manufacturing techniques, and creative visions for designers. However, a notable shift can be observed in contemporary furniture design, where a strong emphasis on sustainability has emerged, reflecting the prevailing spirit of the era. With growing environmental concerns and climate change issues, innovative manufacturing approaches have arisen to shape sustainable and visually integrated furniture pieces, diverging from traditional wood-cutting practices for furniture production. This research delves into the challenges and prospects of cultivating furniture as a plant-based innovation, exploring its impact on achieving environmental visual integration in the modern environment. The study highlights the transformation of the furniture industry towards sustainability and eco-friendly design, investigating how to reintegrate aesthetics, functionality, and harmonious coexistence with the surrounding nature. The study also examines current opinions on plant-formed furniture design and assesses its contribution, with a primary focus on the importance of sustainable design for eco-friendly furniture and innovative manufacturing techniques in the development of furniture elements. Several case studies and practical models from furniture designers are scrutinized, illustrating the practical application of these theoretical concepts and emphasizing the potential of plant-formed furniture as a manifestation of sustainable design. The findings of this research contribute to elucidating the significance of achieving a balance between aesthetics and sustainability in the realm of plant-formed furniture design. Moreover, it provides insights into future directions for advancing this field, promoting environmental visual integration and sustainable development within the broader context of furniture design. New thinking has emerged, and a new movement in furniture design has been catalyzed by various influences, including new creative artistic materials, modern and creative manufacturing methods, and the contemporary philosophy that has established standards and conditions for furniture development.

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References:


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