

Biodegradable Packaging in Medical Field

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Abstract: *An Ecological Method for Biological Packaging in the Drug Industry The pharmaceutical industry is coming under increasing pressure to utilize eco-friendly packaging. Traditional packing materials often contribute to pollution and resource depletion. A good alternative is packaging composed of biodegradable and compostable materials derived from renewable resources. This study looks at the state of biological packaging in the pharmaceutical industry today, focusing on materials, procedures, and their potential impacts on sustainability and product integrity. We go over the potential and difficulties of implementing biological packaging, such as customer acceptance, cost-effectiveness, and regulatory issues. We also highlight new developments and potential paths in this area, like the creation of cutting-edge biomaterials and creative packaging designs.*

Pressure to implement sustainable practices is mounting on the pharmaceutical business, especially in packaging, where non-biodegradable materials and plastic waste are major environmental concerns. With advantages for the environment and functionality, biodegradable packaging offers a viable answer to this problem. This review examines the latest developments in biodegradable packaging materials, with a focus on pharmaceutical applications.

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