

# Artificial Skin

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# Artificial Skin

- ▶ What is it?
  - ▶ Tissue engineering
- ▶ Variety of polymers
- ▶ Why is it used?



0 days



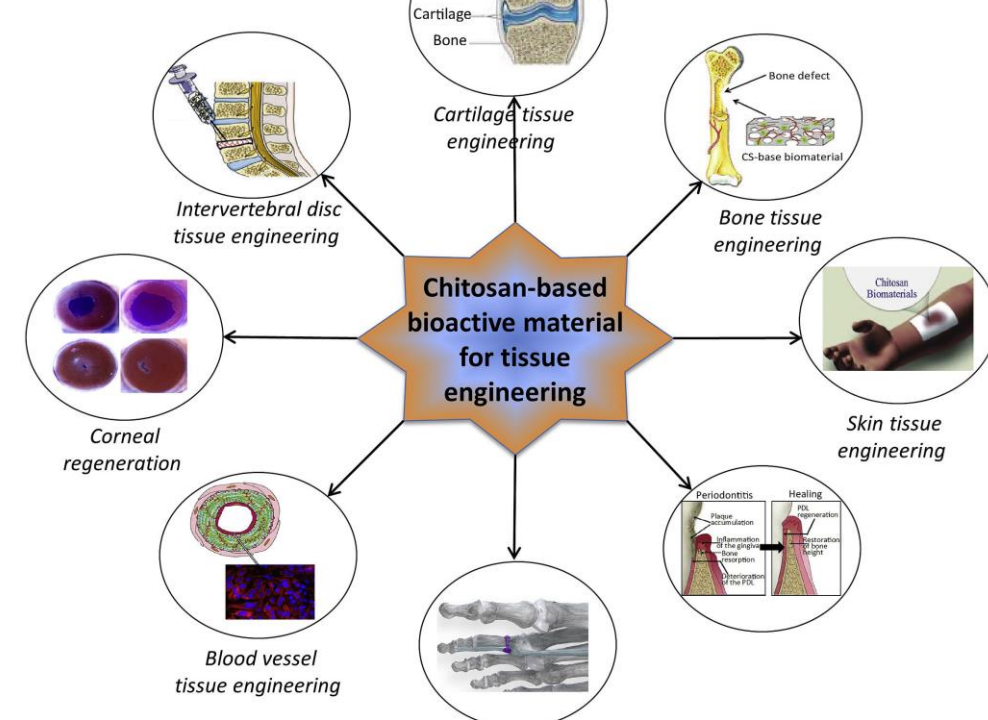
1 month



6 years

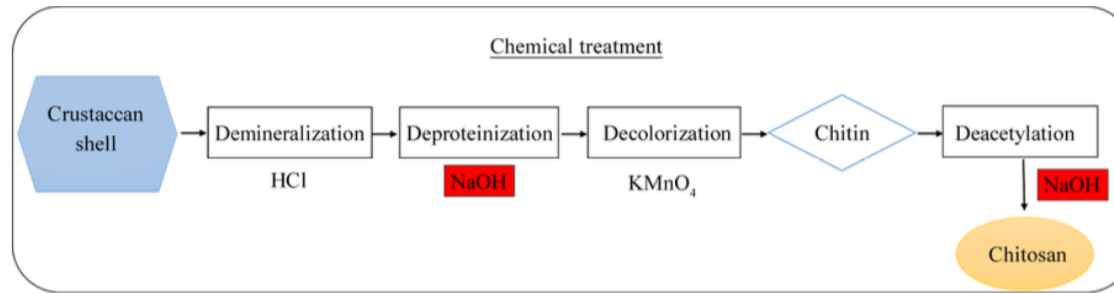
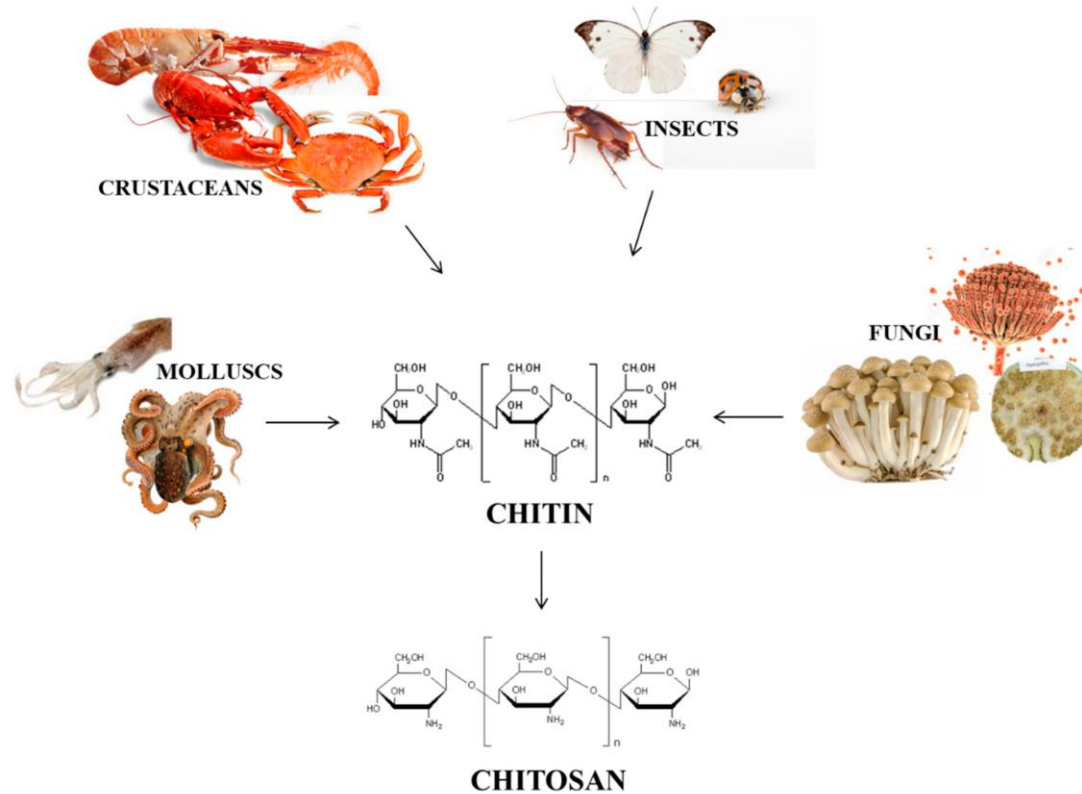
# Chitosan-Based Biomaterials

- ▶ Definition
- ▶ Various forms
  - ▶ hydrogels, sponges, films, and porous membranes
- ▶ Applications



# Chitosan Background and Methodology

- ▶ Background
  - ▶ Natural polymer, found in living organisms
- ▶ Manufacturing Process



# Properties

Biological activities



Physical properties



Mechanical properties

# Conclusion



Artificial Skin and its advancements in the medical world



Faster recovery, lowers risk of rejection or infection



Chitosan is renewable and cost-effective



Biological activities mimic skin



Physical and mechanical properties

Thank you!



Any questions?

