

Table 1: Degrees of burn and their treatments [4]

Degree of burn	Treatment
First-degree burn:	Dhakane R et al. 2021
It takes 3-6 days as healing time without scarring.	
Second-degree burn (superficial):	
A topical agent with cleaning and sterile dressing. Healing time is 7-21 days.	
Deep-partial thickness (deep second degree):	
Cleaning along with topical agent and a sterile dressing is preferred. There is a possibility of surgical excision as well as grafting.	
Third-degree (full thickness):	
Surgical excision as well as grafting.	
Fourth degree:	
Surgical intervention is required for healing. Fluid resuscitation is another way of treatment.	

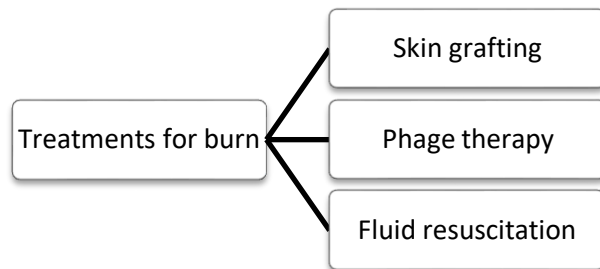


Figure 1: Treatments for burn patients



Figure 2: The Nile tilapia skin used as xenograft for skin grafting in burn patient [34].

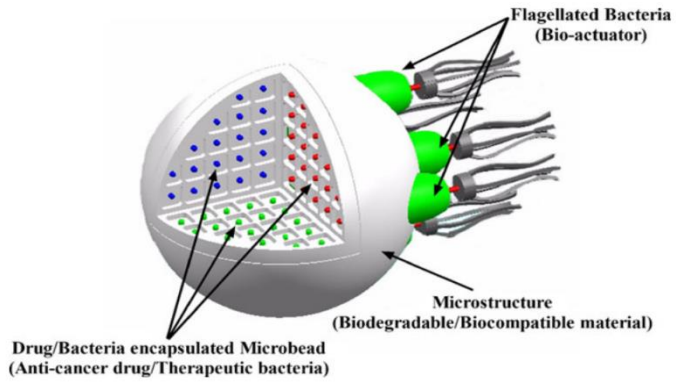


Figure 3: Conceptual design of bacteria based microrobot which consist of microstructure, anticancer drug and motile bacteria as microactuator [39].