

Supplementary Materials

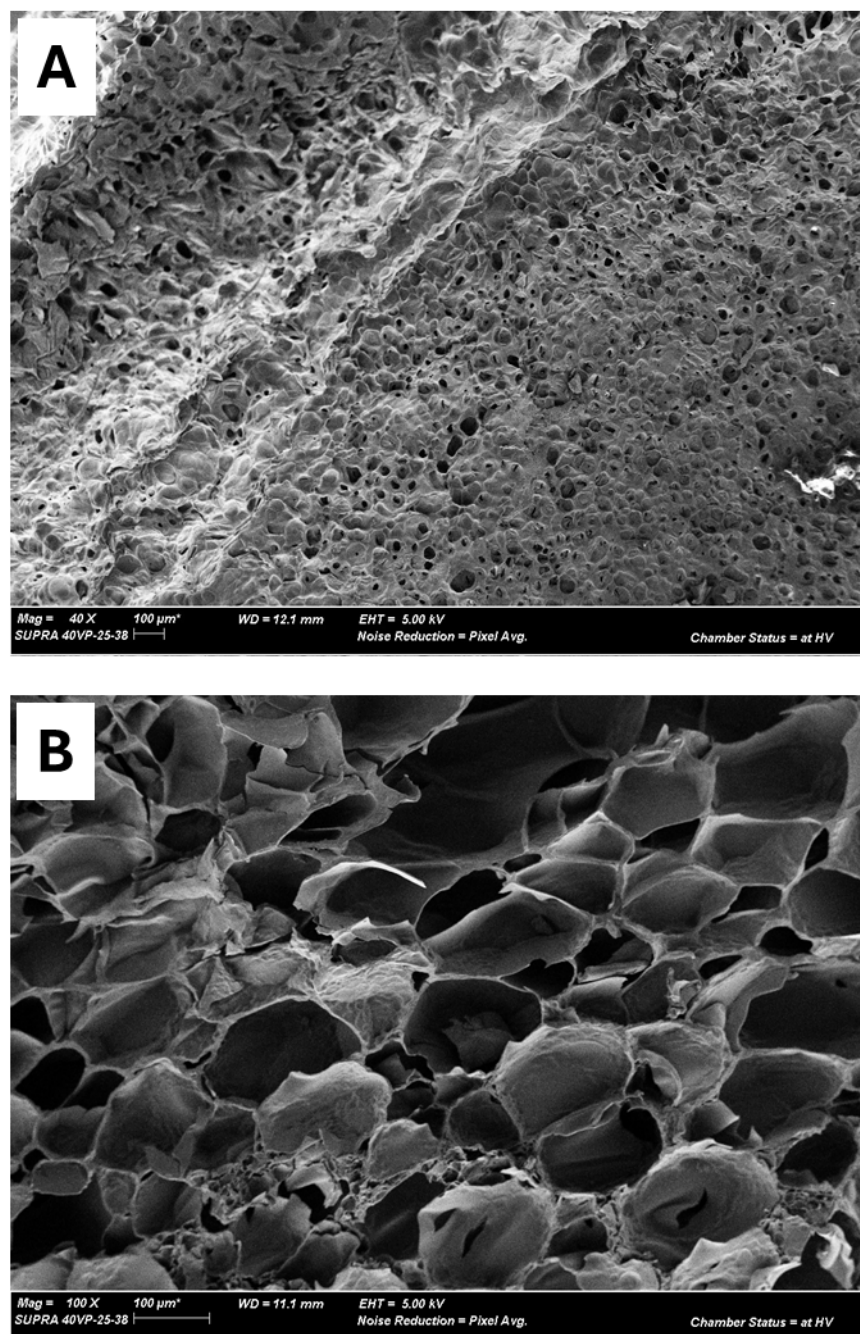


Figure S1: Scanning electron microscopy image of 10 % GelMA showing the surface (A) at a magnification of 40x (A). Zoomed cross section image of the 10 % GelMA at magnification 100x (B).

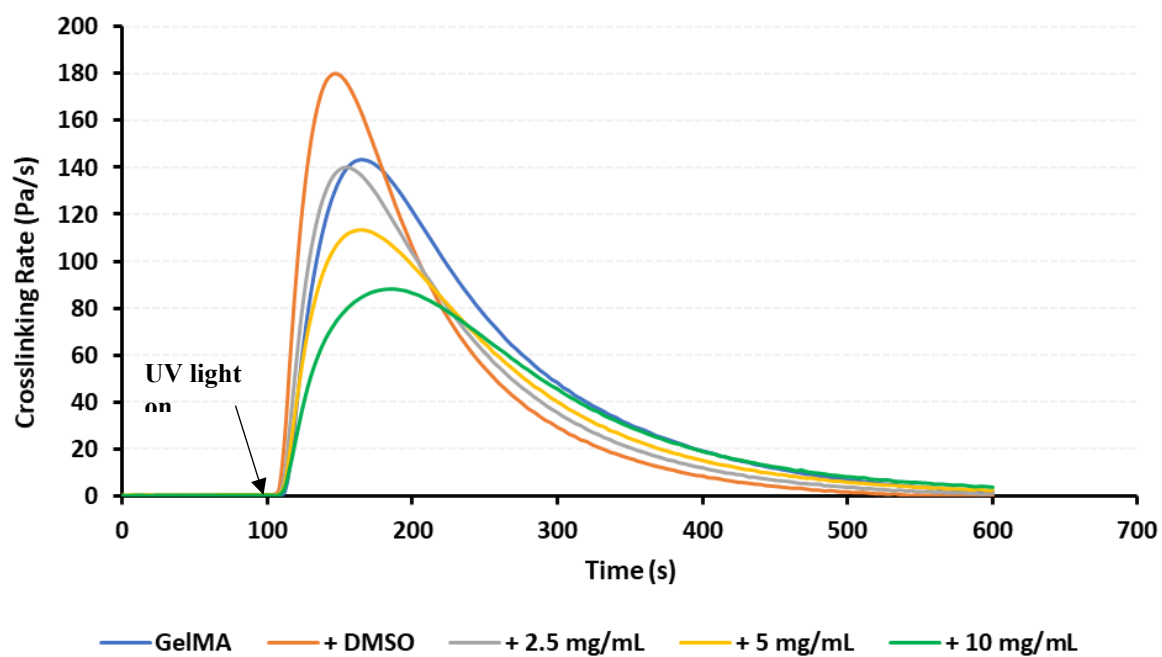


Figure S2: The crosslinking reaction rate of 10 % GelMA composites as a function of time and the effects of DMSO and different extract concentrations. For all experiments, the light source was activated after 100 s.

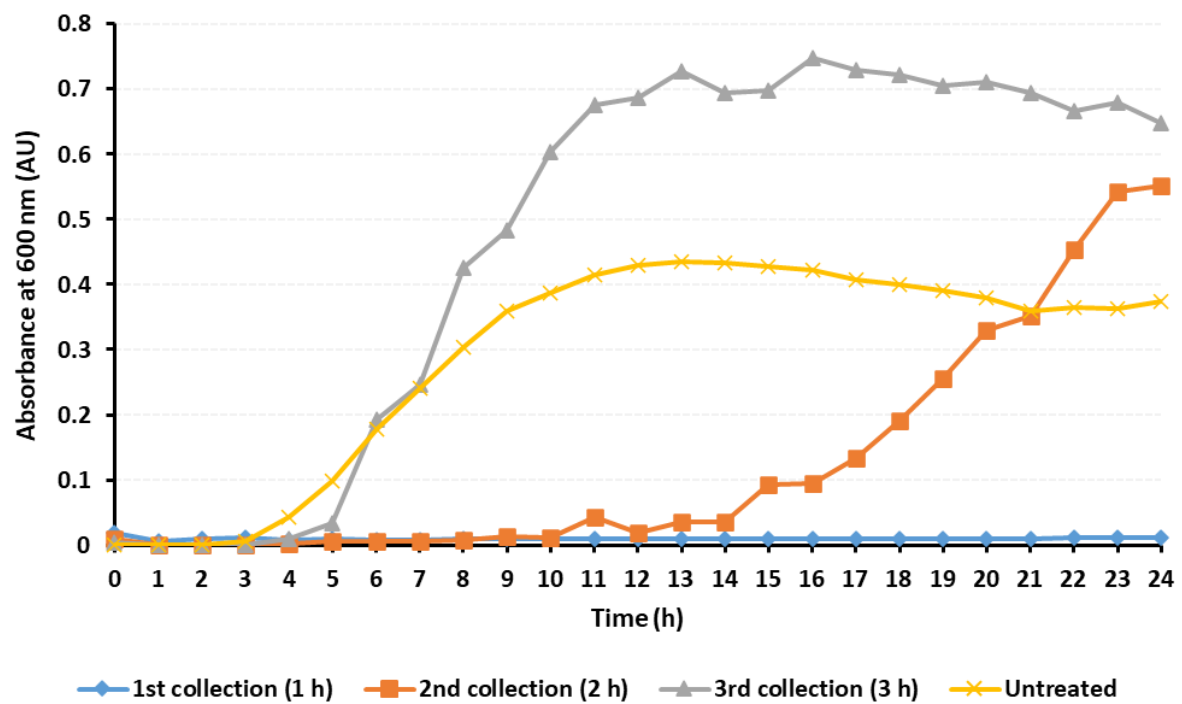


Figure S3: *S. aureus* growth was monitored in h-MHB exposed to 10 % GelMA-10 mg mL⁻¹ extract composites for 1 h intervals.

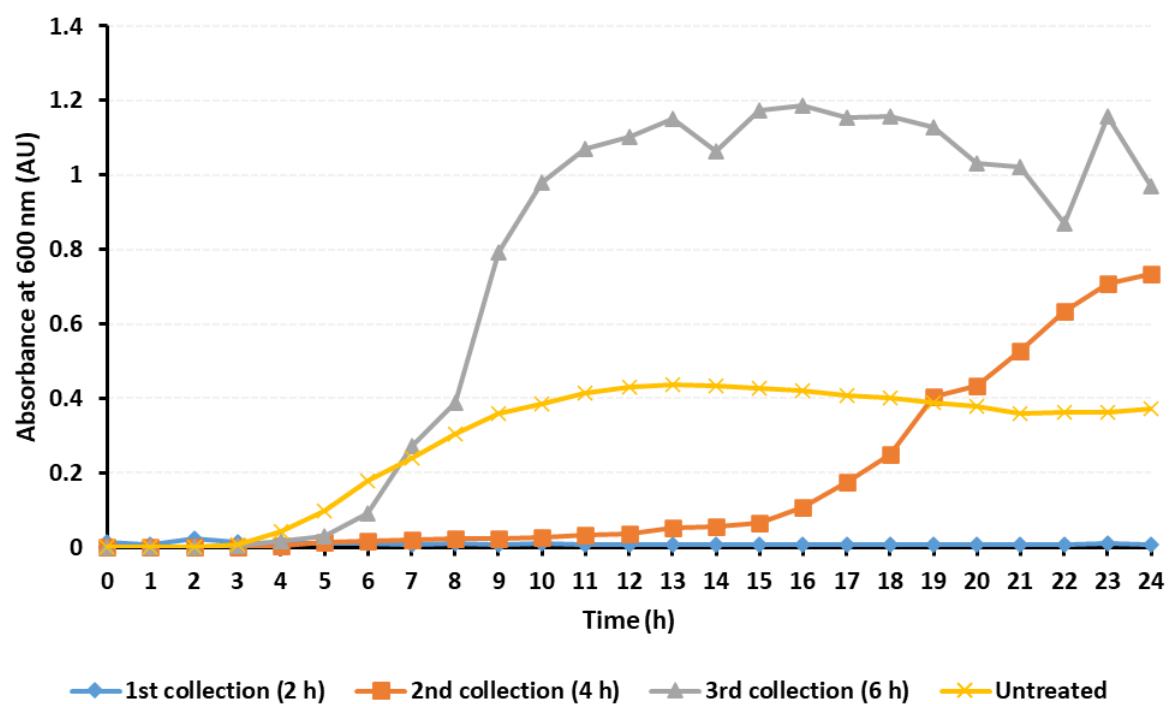


Figure S4: *S. aureus* growth was monitored in h-MHB exposed to 10 % GelMA-10 mg mL⁻¹ extract composites for 2 h intervals.

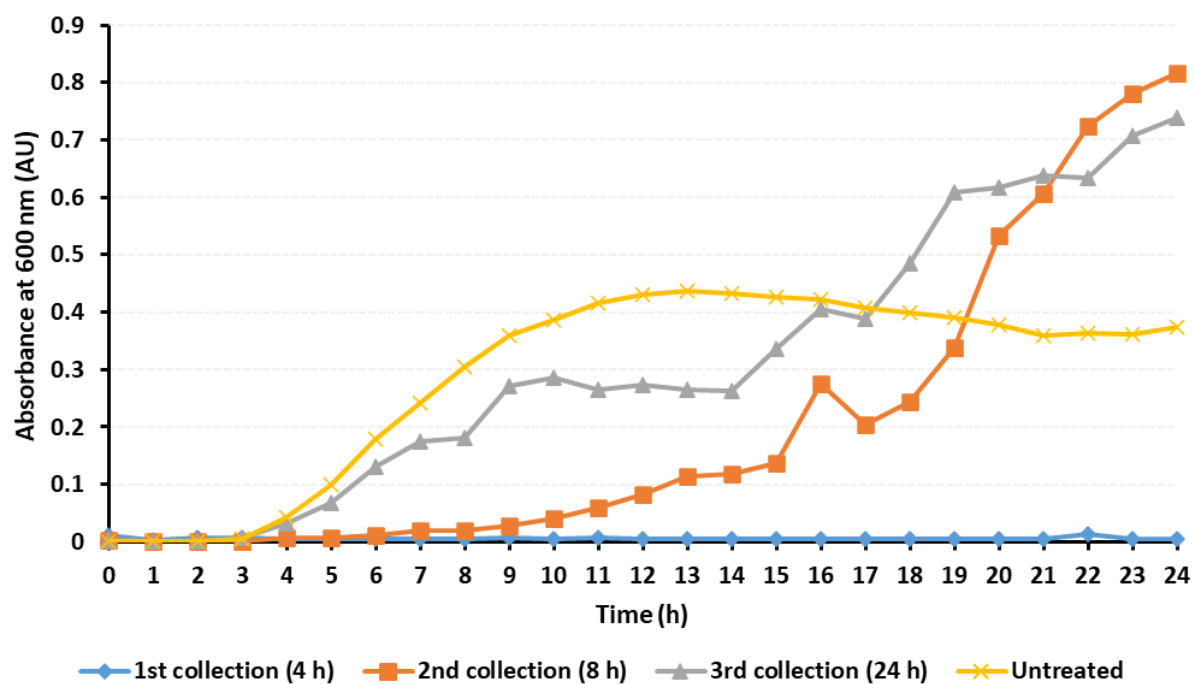


Figure S5: *S. aureus* growth was monitored in h-MHB exposed to 10 % GelMA-10 mg mL⁻¹ extract composites for 4 h intervals.

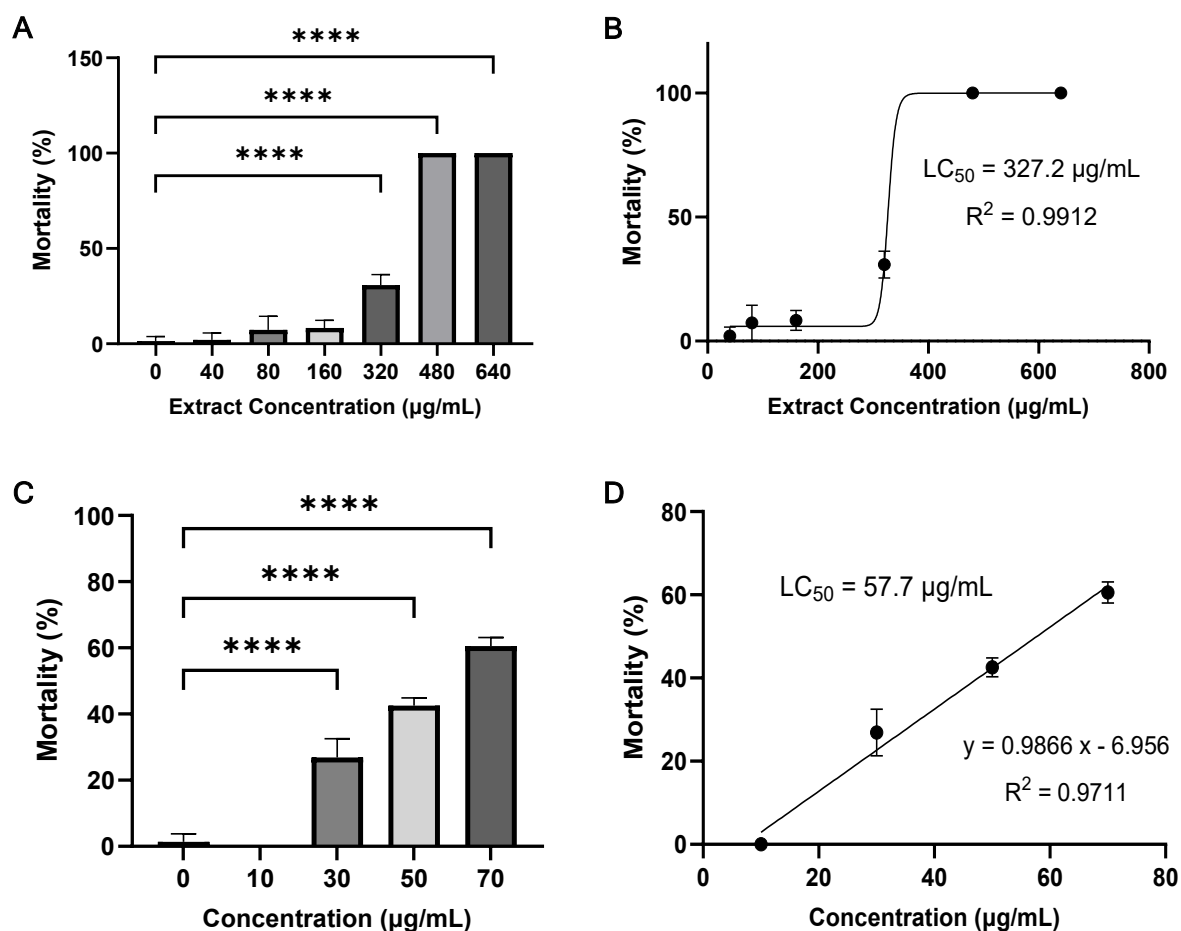


Figure S6: Mortality rates of brine shrimp following 24 h exposure to different concentrations of the EL 24 EtOAc extract (A) and the LC_{50} (B). Mortality rates (C) and LC_{50} (D) of brine shrimp following 24 h exposure to potassium dichromate. All values are displayed as the mean of all measurements, with error bars representing the SD. Statistical significance was calculated as test vs. untreated control ($0 \mu\text{g mL}^{-1}$), where **** = $p \leq 0.0001$.