

Supporting Information

ZIF-8-encapsulated Interpenetrated Hydrogel/nanofiber Composite Patch for Chronic Wound Treatment

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Fig. S1 The optical image of a large hydrogel patch with a size of 8 x 6 cm.

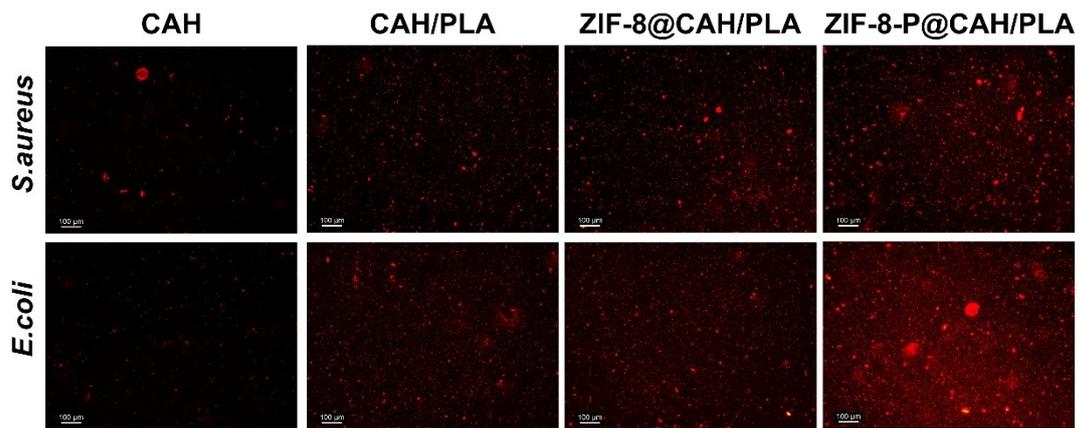


Fig. S2 Fluorescent staining of *E. coli* and *S. aureus*. The scale bar is 100 μm .

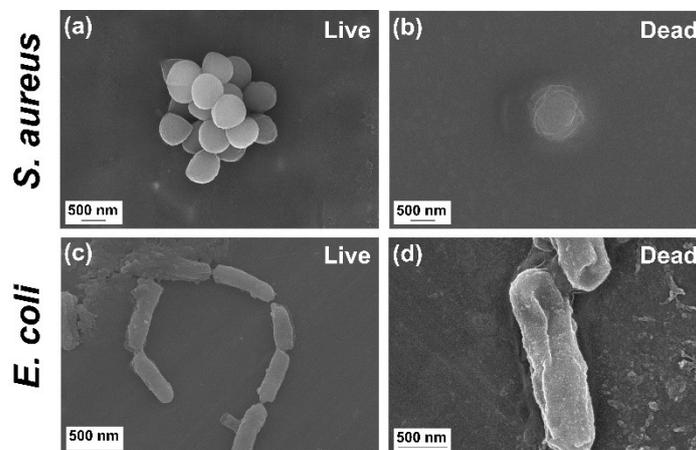


Fig. S3. SEM images of *E. coli* and *S. aureus* bacteria before and after co-culture with ZIF-8@CAH/PLANF.

Table S1 Comparison of antibacterial effect.

Name	Bacterial type	Antibacterial effect	Reference
Essential oil-supported electrospinning fiber film	<i>E. coli</i>	>98%	<i>Sep. Purif. Technol.</i> 2023 , 327
	<i>S. aureus</i>	(24 h)	
PPCL@PDA/TAEG/PCL/ZIF-8	<i>E. coli</i>	>95%	Chem. Engineer J. 2021 , 422, 130007
	<i>S. aureus</i>	(60 min)	
MOF/ polyurethane composite nanofiber membrane	<i>E. coli</i>	96%	<i>ACS Appl. Mater. Interfaces</i> 2023 , 15, 6
	<i>S. aureus</i>	(24 h)	
Photocatalytic ZIF-8 composite patch	<i>E. coli</i>	>99.93%	This work
	<i>S. aureus</i>	(24 h)	