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## LIST OF ABBREVIATIONS

- AFD:** Average fiber diameter  
**APDA:** Antimicrobial photodynamic activity  
**APDT:** Antimicrobial photodynamic therapy  
**COX-2:** Cyclooxygenase-2  
**DSC:** Differential scanning calorimetry  
**ECM:** Extracellular matrix  
**EE:** Encapsulation efficiency  
**EF:** Electric field  
**FT-IR:** Fourier transform-infrared spectroscopy  
**H & E:** Haematoxylin and eosin stain  
**LED:** Light emitting diode  
**LLLT:** Low-level light therapy  
**MB:** Methylene blue  
**MRSA:** Methicillin resistant *Staphylococcus aureus*  
**NFs:** Nanofibers  
**<sup>1</sup>O<sub>2</sub>:** Singlet oxygen  
**PACT:** Photodynamic antimicrobial chemotherapy  
**PDGF:** Platelet-derived growth factor  
**PDT:** Photodynamic therapy  
**PEG:** Polyethylene glycol  
**PHB:** Polyhydroxybutyrate  
**PS:** Photosensitizer  
**ROS:** Reactive oxygen species  
**RT-PCR:** Reverse transcriptase-polymerase chain reaction  
**Sast:** A standard strain of *Staphylococcus aureus* ATCC 6538P  
**TNF- $\alpha$ :** Tumor necrosis factor-alpha  
**UA:** Uric Acid  
**UA-A293:** Uric acid absorbance at 293 nm  
**VEGF:** Vascular endothelial growth factor