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LIST OF SYMBOLS AND ABBREVIATIONS

β -TCP	-	β -Tricalcium Phosphate
5-Fcil	-	5-fluorouracil
AMX	-	Amoxicillin
Å	-	Angstrom
a.u	-	Arbitrary Unit
BCP	-	Biphasic Calcium Phosphate
BET	-	Brunauer-Emmett-Teller
CaP	-	Calcium Phosphate
C	-	Celsius
cm	-	Centimeter
CFU	-	Colony Forming Unit
°	-	Degree
e-beam	-	Electron beam evaporator
EDX	-	Energy Dispersive X-ray
E. coli	-	Escherichia coli
FTIR	-	Fourier Transform Infra Red
GIXRD	-	Glancing Incident X-ray Diffraction
g	-	Gram
HRTEM	-	High Resolution Transmission Electron Microscope
h	-	Hour
HAp	-	Hydroxyapatite
JCPDS	-	Joint Committee on Powder Diffraction Standards
K	-	Kelvin
keV	-	Kilo Electron Volt

MeV	-	Mega Electron Volt
MPa	-	Mega Pascal
μL	-	Microliter
μm	-	Micrometer
mg	-	Milligram
mL	-	Milliliter
mm	-	Millimeter
min	-	Minute
M	-	Molar
MHA	-	Mueller Hinton Agar
nm	-	Nanometre
%	-	Percentage
PBS	-	Phosphate Buffer Solution
psi	-	Pounds Per Square Inch
PLD	-	Pulsed Laser Deposition
RF sputtering	-	RF Magnetron Sputtering
rpm	-	Rotation Per Minute
SEM	-	Scanning Electron Microscope
s	-	Second
SHI	-	Swift Heavy Ion
Si	-	Silicon
SBF	-	Simulated Body Fluid
SS 316L	-	Stainless Steel 316L
sccm	-	Standard Cubic Centimeter
S. aureus	-	Staphylococcus aureus
S. epidermidis	-	Staphylococcus epidermidis
Ti	-	Titanium

TEM	-	Transmission Electron Microscope
UV	-	Ultra Violet
λ	-	Wavelength
wt	-	Weight
XRD	-	X-ray Diffraction Analysis