10 GLOSSARY

b	breadth
b/c	bone/ceramic
BMP	bone morphogenic protein
c	cohesion
CAD	computer-aided design
CaPh	calcium phosphate
CFR	carbon fibre reinforced
DEXA	dual-energy X-ray absorptiometry
DMB	demineralised bone matrix
E	Young`s modulus
ETO	ethylene oxide
$\mathbf{F_i}$	force i
FDA	Federal Drug Administration
Fig.	figure
g	gravity
h	height
$\mathbf{h_{start}}$	start height plunger
$\mathbf{h_S}$	height shear box
HA	hydroxyapatite
HD-PE	high density polyethylene
GF	growth factor
m	mass
N	number of cycles
n	number of hammer blows
p	hammer momentum
p	probability
PCL	polyaprolacton
PGA	polyglycolic acid
PLA	polyactic acid
PLG	polyactide co-glycolide
PMMA	polymethylmethylacrylate
R	recoil
$\mathbf{R^2}$	correlation coefficient
$\mathbf{Rel_1}$	relaxation initial compression
$\mathbf{Rel_2}$	relaxation secondary compression
rhBMP	bone morphogenic protein
s	accumulated subsidence
SD	standard deviation
TCP	tri-calciumphosphate
THR	total hip arthroplasty
$\mathbf{t_{rel}}$	relaxation time
$\mathbf{T_{Sint}}$	sintering temperature
UV	ultraviolet
V	volume
$\mathbf{v_{comp}}$	compression speed
$\mathbf{v_{shear}}$	shear speed
w	width
x	accumulated set
XRD	X-ray diffraction
α	subsidence rate
α-TCP	α-tri-calciumphosphate
β-TCP	β-tri-calciumphosphate
$\boldsymbol{\sigma}$	standard deviation
$\boldsymbol{\sigma_{comp}}$	compressive stress
$\boldsymbol{\sigma_i}$	normal stress
$\boldsymbol{\varphi}$	shear angle
$\boldsymbol{\lambda_i}$	impaction rate
$\boldsymbol{\eta}$	efficiency coefficient
τ	shear stress
$\boldsymbol{\tau_f}$	failure shear stress