

List of Abbreviations and Symbols

XRD	: X-Ray diffraction
MCR	: Metal ceramic restoration
PFM	: Porcelain fused to metal
CTE	: Coefficient of thermal expansion
LTF	: Low temperature frit
ERMI	: Endosseous Ridge Maintenance Implant
HAp	: Hydroxyapatite
FTIR	: Fourier transforms infrared spectroscopy
SEM	: Scanning electron microscope
SBF	: Simulated body fluid
COMP	: Composite
BEC	: Buccal epithelial cells
Al ₂ O ₃	: Alumina
EP	: Emerging profile
GF	: Gingival fibroblasts
T _g	: Glass transition temperature
MCC	: Metal-ceramic crown
UTM	: Universal testing machine
SD	: Standard Deviation
MCL	: Mechanochemically synthesized leucite
MKL	: Mechanochemically synthesized kalsilite
m	: Weibull modulus
σ_0	: Characteristic strength
σ_N	: Nominal strength