Table of Contents

Introduction to the Inaugural Issue of Journal of Biomimetics, Biomaterials and Tissue Engineering	
Surgical Sutures: Performance, Development and Use R. Azhahia Manavalan and A. Mukhopadhyay	1
Mesoporous Bioactive Glasses: Synthesis, Characterization and <i>In Vitro</i> Bioactivity Y.F. Zhao and J. Ma	37
Modelling and Quantification of Gas Flux through an Artificial Epidermis A. Habib and K. Habib	49
The Effect of Yttria-Stabilized Zirconia on the Properties of the Fluorine-Substituted Hydroxyapatite Ceramics Prepared by Pressureless Sintering Y. Chen, Z. Dong and X. Miao	57
Modification of Drug Release Profiles of Poly(L-Lactide) Using Palmitic Acid B. Nugraha and L.P. Tan	69
Selective Laser Sintering of Poly(L-Lactide) Porous Scaffolds for Bone Tissue Engineering S.H. Lee, W.Y. Zhou, M. Wang, W.L. Cheung and W.Y. Ip	81
The Effect of Chemical Composition on Microstructure and Transformation Behavior of NiTi Shape Memory Alloy Prepared by Vacuum Arc Melting M. Bornapour, Y. Motemanni, M. Nili-Ahmadabadi and S. Raygan	91
Characterisation of Calcium Phosphate Cement-Derived Hydroxyapatite Scaffolds with a PLGA-Bioactive Glass Composite Coating D.M.F. Tan, X. Miao, J. Li, Y. Xiao and R. Crawford	99