Table of Contents

Numerical Investigation of the Effects of Bucket Handle Tears and Subtotal Medial Meniscectomies on the Biomechanical Response of Human Knee Joints A.K. Devaraj, K.K.V. Acharya and R. Adhikari	1
The Effect of High-Intensity Intermittent Training on the Acute Gait Plantar Pressure in Healthy Young Adults X.Y. Jiang, S.D. Li, E.C. Teo and Z.X. Zhou	21
The Biomechanics of the Fibrocystic Breasts at Finite Compressive Deformation T. Akano, O.A. Fakinlede and E. Nwoye	33
Finite Element Modelling of Cochlear Electrode Arrays J.M. Al Samri and A.S. Alaboodi	47
A Novel Nucleus Detection on Pap Smear Image Using Mathematical Morphology Approach	
N. Nahrawi, W.A. Mustafa, S.N.A.M. Kanafiah, W.K.W. Ahmad, M.N.K.H. Rohani and H.A. Rahim	53
Sparse Coding for Brain Tumor Segmentation Based on the Non-Linear Features G. Sandhya, A. Srinag, G.B. Pantangi and J.A. Kanaparthi	63
Computer-Assisted Diagnosis System for Abnormalities Classification in Digital Mammography Based on Multi-Threshold Modified Local Ternary Pattern (MtMLTP) N. Gargouri, M. Zouari, R. Boukhris, A. Damak, D. Sellami and S. Amous	75
Electrospun Biomaterials' Applications and Processing L. Depeigne and E. Zdraveva	91
Porous Biphasic Calcium Phosphate for Biomedical Application W.A. Hussain, E.H.A. Al-Mosawe, M.M. Ismail and L.H. Alwan	101
Evaluation of Secretome Tenogenic Potential from Adipose Stem Cells (ACS) in Hypoxic Condition with Fresh Frozen Tendon Scaffold Using Scleraxis (Scx), Insulin-Like Growth Factor 1 (IGF-1) and Collagen Type 1	111
R.A. Putra and H. Suroto Encapsulation and <i>In Vitro</i> Controlled Release of Doxycycline in Temperature-Sensitive	111
Hydrogel Composed of Polyethyleneglycol–polypeptide (L-Alanine-co-L-Aspartate) S.Z. Tapdiqov	119