

Table of Contents

Volume 17, Issue 7 — July 2023

Research Articles

1.

Role of Adipocytes in Obesity and Diabetes: Potential Therapeutic Prospects

Madhukar Saxena, Dinesh Raj Modi

Keywords: Obesity, Type 2 Diabetes, Adipocytes, Adiponectin, Mesenchymal Stem Cells, Insulin Resistance, Endocrine Function

2.

LETTING THE OTHER SPEAK: A CHALLENGE FOR PERSONAL AND SOCIOPOLITICAL TRANSFORMATION

Marí Ricard, Marí Mireia

Keywords: Human Reality, Actualizing Tendency, Holistic Perspective, Epistemological Considerations, Dialogical Communication, Socio-Political Transformation

3.

Clinical Investigation of Interface Pressure in Transhumeral Sockets During Pick and Place Activities: Comparison of ICRC Polypropylene and Air Splint Sockets

N.A. Abd Razak, N.A. Abu Osman, S.S. Mohd Fadzil, N. A. Hashim, H. Gholizadeh

Keywords: Interface Pressure, Transhumeral Prosthetics, ICRC Polypropylene Socket, Air Splint Socket, Amputee Comfort

4.

Cypermethrin Chemodynamics in Okra Crop Agro-Ecosystem in Bangladesh

A. Uddin, M.S. Hossain, M.M. Rahman, M.A.R. Choudhury, S. Rahman

Keywords: Cypermethrin, Okra, Insecticide, Agro-ecosystem, Residue Analysis

5.

Diagnostics of Metainstability in Seismically Active Faults

S.A. Bornyakov, J. Ma, A.I. Mirishnichenko, Y. Guo, D.V. Salko

Keywords: seismology, metainstability, spectral analysis, earthquake prediction, fault dynamics

6.

Characterization of the Solid Matrix in the Meniscus of the Human Knee Joint Using Scanning Electron Microscopy

Gilberto Piña Piña, Jorge Antonio Ascencio Gutiérrez, José M. Rodríguez Lelis, Víctor Hugo Olivares Peregrino, Justo Juvenal Solano Pérez

Keywords: scanning electron microscopy, meniscus, collagen fibers, proteoglycans, nutrient diffusion

7.

Analysis of the Efforts on the Horns of the Menisci of the Human Knee

Gilberto Piña Piña, José Ma. Rodríguez Lelis, Víctor Hugo Olivares Peregrino

Keywords: meniscus injury, knee joint, biomechanics, stiffness, ligament failure, tibial plateau, mechanical properties