

## Table of Contents

Volume 6 Number 7

June 2015

### Mathematical Modeling in Cell Biomechanics: Myofibrils Contractile Activity

- A. S. Pokusaev, I. V. Ogneva.....1131

### Simple Linear Model of Tumor Growth in a Changing Environment

- J. F. Nieves, M. R. Ubriaco.....1139

### Analytical Expression for the Concentration of Substrate and Product in Immobilized Enzyme System in Biofuel/Biosensor

- R. M. Devi, O. M. Kirthiga, L. Rajendran.....1148

### Saint-Venant Equations and Friction Law for Modelling Self-Channeling Granular Flows: From Analogue to Numerical Simulation

- C. Longchamp, O. Caspar, M. Jaboyedoff, Y. Podladchikov.....1161

### Extended Jacobian Elliptic Function Expansion Method and Its Applications in Biology

- E. H. M. Zahran, M. M. A. Khater.....1174