Abstract:
Bones are in a state of dynamic equilibrium with bone resorption and bone formation. It's called Bone Remodeling. Bone remodeling is intimately involved in the illness such as the osteoporosis. So it is a very important medical subject not only its kinetics. Therefore, based on accumulation of cytophysiological knowledge about it, various mathematical models have been suggested that incorporated detailed mechanism. Though, a lot existing model is far too complex to understand the core of its dynamics. The study aims to construct the interaction model based on antagonistic adaptability and capture the essential features of the dynamics.