



EMERGING TRENDS IN APPLIED MATHEMATICS AND MECHANICS

Delay Differential Equations Models in Biology and Medicine

Organized by

Mostafa Adimy

INRIA Lyon, France

and

Andrei Halanay

University Politehnica of Bucharest, Romania

The Minisymposium is dedicated to the presentation of recent progresses in the field of modeling phenomena in medicine and biology using delay differential equations (DDE). Besides introducing new models, a special attention will be reserved to the stability analysis of equilibria in DDE models and to the study of oscillatory phenomena, such as Hopf bifurcations. Models for the treatment involving control DDE are most welcomed as well as the optimization of treatment through optimal control techniques for DDE.