



EMERGING TRENDS IN APPLIED MATHEMATICS AND MECHANICS

Mathematical Modelling, Analysis and Simulations in Biology

Organized by

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The aim of this mini symposium is to present recent works and an overview of new topics emerging in Mathematical Biology, with a particular focus on Epidemiology, Ecology and Agronomy. For instance, Disease Dynamics, Disease Control, Pest or Vector Control, Plant Growth, Vegetation Dynamics, ... have become important issues, in which Mathematics can bring new insights and understanding. Conversely, it is well known that new mathematical challenges can emerge from these biological issues.

In order to show the audience the richness of encountered mathematical problems, presentations based on theoretical works or on numerical simulations, or both, are more than welcome to launch discussions and debate.

We would like this mini-symposium to be a forum to exchange ideas between participants of different domains but sharing the same (mathematical) approaches.