

Proc. of the Fourth Brazilian Symp. on Mathematical and Computational Biology vol.2

- Preface
- Editorial Board
- List of Contributors
- A Mathematical Model for Tumor Growth and the Drug Resistance Problem
L. L. Vendite
- A Numerical Model to Solve Non-linear Biological Invasion Problems with Strong and Weak Allee Effect
S. A. Delphim, R. C. Almeida, M. I. S. Costa
- A Theoretical Approach On The Allocation Of Limited Resources
L. A. R. de Santana
- An application of Fuzzy Receiver Operating Characteristic Methodology in Medicine
M. J. de P. Castanho, A. Yamakami, L. L. Vendite, L. C. de Barros
- Ant Colony Optimization: Biological Motivation, Phase Structure, and Modelling
D. Merkle, M. Middendorf
- Biological Organizations
M. V. Kritz
- Biometric Identification/Verification via Keystroke Dynamics: A Multi-Feature Approach
L. P. Oliveira, J. Montalvão, L. S. Batista, A. R. Hidalgo
- Chaos and Seasonal Variation Analysis in Lotka-Volterra
L.S. Ribeiro, L. A. P. da Costa, W. D. C. Pereira, E. P. dos Santos
- Comparison of Several Vaccination Strategies for Models SIR and SEIR with Seasonal Effect
C. A. Ramos, M. Rafikov
- De Novo Protein Design: An Interplay of Global Optimization, Mixed-Integer Optimization and Experiments
C. A. Floudas, J.L. Klepeis, J.D. Lambris, D. Morikis
- Dynamics of Leslie Predator-Prey Model with Allee Effect on Prey
E. González-Olivares, B. González-Yañez
- Effects of Noise on the Dynamics of Biological Neuron Models
D. Mishra, A. Yadav, S. Ray, P. K. Kalra
- Existence of Multiple Limit Cycles on a Predator-Prey with Generalized Nonmonotonic Functional Response
A. Aguilera-Moya, B. González-Yañez, E. González-Olivares
- Mathematical Modelling of Biodegradation Processes in a Porous Medium
P. R. L. Couto, S. M.C. Malta
- Mathematical Physiology Today: Examples of Synergies
R. Mejía
- Microarray pre-Analysis
M. Ribeiro-Alves, F. F. Nobre
- Modelling the Biomacromolecular Structure with Selected Combinatorial Optimization Techniques
R. P. Mondaini
- Nash Equilibria and Control Strategies with Non-innocent Vaccines
E. Massad, F. A. B. Coutinho, M. N. Burattini, L. F. Lopez, C. J. Struchiner
- Network Flow Algorithm for the Longest Common Subsequence Problem
C. A. S. Oliveira, P. M. Pardalos
- On the Dynamics of a Predator-Prey Model with Threshold Prey Density for Predator
H. Meneses-Alcay, E. González-Olivares

- Parallel Algorithm for the Closest String Problem
F. de C. Gomes, C. N. Meneses, P. M. Pardalos, G. V. R. Viana
- Pollutant Dispersal on Estuary Systems: Study and Mathematical Modelling
G. L. Diniz, J. F. C. A. Meyer
- The Geometry of Macromolecular Structure: Steiner's Points and Trees
R. P. Mondaini
- Rumours, Partitions and Mathematical Genealogy
C. Pearce
- Index

[Fechar](#)