pp. 1 (2011)

Preface

In January 2011, the workshop 'Mathematical models and numerical methods in biomathematics' was held in the Institute of Numerical Mathematics, Russian Academy of Sciences, in Moscow. This workshop was the second in the series of regular workshops, the first and the third workshops were held in June 2010 and October 2011, respectively. The series aims to discuss recent advances in numerical methods and simulations in hemodynamics, immunology, biomechanics, biochemistry and other applied biosciences. Lectures given at the workshop discussed the mathematical theory and numerical properties of the methods, as well as computational challenges arising in applications (http://dodo.inm.ras.ru/biomath/engl/workgroup.html).

This issue of Russian Journal of Numerical Analysis and Mathematical Modelling extends the second workshop discussions. A thoroughly selected collection of six papers represents a broad spectrum of ideas and challenges in the numerical world of biomathematics. This thematic issue of RJNAMM may be interesting for researchers in mathematics, numerical methods, biophysics, computer science and engineering.

> Yuri Vassilevski, Member of Editorial Board, Institute of Numerical Mathematics RAS