



Preface

This special issue contains a selection of refereed papers contributed to the International Symposium and Young Scientists School on Mathematical Modelling and Information Systems in Biology, Ecology and Medicine (BIOMATH-95). The meeting was organized by the Institute of Informatics at the University of Basel and the Research Group for Mathematical Modelling in Biology of the Institute of Biophysics at the Bulgarian Academy of Sciences and held in the ET Vitosha Hotel, Sofia, Bulgaria from August 23 to 27, 1995.

The Conference Program Committee consisted of Peter Antonelli (Canada), Pierre Auger (France), Yves Cherruault (France), Jean Luc Gouzè (France), Jia Li (USA), Vladislav Kriivan (Czech Republic), Philip Maini (UK), Jaroslav Milota (Czech Republic), Willard Miranker (USA), John Norton (UK), Zahari Zlatev (Denmark), and was chaired by the Bulgarian scientists Blagovest Sendov, Roumen Tsanev, and Petar Kenderov.

BIOMATH-95 was the first international biomathematical conference to be held in Bulgaria having been preceded by eight biomathematical national meetings organized by the Research Group for Mathematical Modelling in Biology of the Institute of Biophysics at the Bulgarian Academy of Sciences. The meeting was attended by 50 scientists from 16 different countries; 35 scientific lectures were presented and 25 manuscripts were submitted for publication.

The selected papers in this issue are devoted to mathematical modeling and simulation of particular problems from the field of Biology, Ecology and Medicine. The refereeing of the papers was performed mostly by members of the Program Committee and participants of the meeting. We are grateful to the referees for their help in the refereeing process and for their quick response. We are grateful to the editors of the journal *Computers and Mathematics with Applications* for offering us the possibility of publishing this selection.

Svetoslav Markov
Christian Ullrich
Guest Editors