Preface

The members of the Department of Applied Mathematics of Faculty of Sciences, University of Craiova, Romania, organized the fourth edition of the International Conference on Applied Mathematics and Numerical Methods (ICAMNM 2022), see https://cis01.central.ucv.ro/ICAMNM/. This event was held online and brought together 73 researchers from 18 countries from 5 continents.

The scientific committee of the conference reflects this variety, too: V. BALAN (Univ. Politehnica of Bucharest, Romania), M.M. BOUREANU (Univ. Craiova, Romania), I. N. CANGÜL (Univ. Uludag, Turkey), Florica CÎRSTEA (Univ. Sydney, Australia), D. CONSTANTINESCU (Univ. Craiova, Romania), D. COZMA (Univ. Tiraspol, R. Moldova), S. ION ("Gheorghe Mihoc-Caius Iacob" Institute of Mathematical Statistics and Applied Mathematics of Romanian Academy, Bucharest, Romania), M. LEFEBVRE (Polytechnique Montréal, Canada), M. MARIN (Univ. Braşov, Romania), A. MATEI (Univ. Craiova, Romania), S. MICU (Univ. Craiova, Romania), C. MOROŞANU ("Al. I. Cuza Univ." of Iaşi, Romania), G. MOROŞANU (Babeş-Bolyai Univ., Cluj-Napoca, Romania), B. NORIS (Politecnico di Milano, Italy), M. POPESCU (Univ. Craiova, Romania), P. POPESCU (Univ. Craiova, Romania), V. RĂDULESCU (Univ. Craiova, Romania), H. RAMOS CALLE (Univ. Salamanca, Spain), D. REPOVŠ (Univ. Ljubljana, Slovenia), A.M. RIBEIRO (Univ. Nova de Lisboa, Lisbon, Portugal), I. ROVENŢA (Univ. Craiova, Romania), G. RUSU (Univ. Moldova State, R. Moldova), M. SOFONEA (Univ. Perpignan, France), N. ŢARFULEA (Purdue Univ. Northwest, Indiana, USA), A. VELEZ-SANTIAGO (Univ. Puerto Rico at Mayaguez, Puerto Rico), C. UDRIŞTE (Univ. Politehnica Bucharest, Romania), C. VLADIMIRESCU (Univ. Craiova, Romania).

The program of the conference consisted of invited talks given in plenary sessions, and presentations scheduled in the following parallel sections of the conference:
- Differential Equations, Dynamical Systems, and Their Applications;
- Applied Mathematics, Numerical Methods and Geometry.

After being subjected to a thorough peer-review process, part of the interesting presentations from ICAMNM 2022 was organized in the form of this volume of proceedings.

We truly hope that, by its content, our special number of proceedings will have a positive impact in the mathematical research community. We are looking forward to welcoming all the interested readers from mathematics, be it applied or pure, to our next edition of the conference, ICAMNM 2024.

The editorial team

UNIVERSITY OF CRAIOVA