

Preface

Delfim F. M. Torres

Center for Research and Development in Mathematics and Applications
Department of Mathematics, University of Aveiro, Aveiro, Portugal
delfim@ua.pt

Mouffak Benchohra

Laboratoire de Mathématiques, Université de Sidi Bel-Abbès
Sidi Bel-Abbès, Algeria
benchohra@yahoo.com

Amar Debbouche

Department of Mathematics, Guelma University, Guelma, Algeria
amar_debbouche@yahoo.fr

Sandra Pinelas

Academia Militar, Departamento de Ciências Exactas e Naturais
Av. Conde Castro Guimaraes, 2720-113 Amadora, Portugal
sandra.pinelas@gmail.com

This special issue comprises nine original research articles that were carefully selected among works presented at the *International Conference on Pure and Applied Mathematics* (ICPAM'12), held at University of Guelma, Guelma, Algeria, during May 28-30, 2012.

ICPAM'12 gathered researchers from several countries to discuss broad topics from Partial Differential Equations: Theory and Applications, Fractional Operators and their Applications, Numerical Analysis, and Probability and Statistics. There were six plenary lectures and eighty nine communications on ongoing current research.

Each paper in this special issue has been carefully scrutinized, having passed the standard refereeing process. Our editorial task was made lighter by the service of unrewarded but dedicated referees: we offer them our heartfelt thanks.

We take this opportunity to thank again all the contributors and participants of IC-PAM'12, and all authors for submitting their works for possible publication. A special thanks goes to the Department of Mathematics, Guelma University, Guelma, Algeria, for giving the green light to organize this scientific event and for making the meeting possible. We are also very grateful to the scientific and organizing committees, for all the effort and time spent to make the conference a big success. We would like also to acknowledge the generous support of the Laboratory of Automatics and Informatics of Guelma (LAIG).

Last but not least, we would like to thank Professor Martin Bohner, Editor-in-Chief of *International Journal of Difference Equations*, for accepting our proposal to form this volume.

The Guest Editor-in-Chief,
Delfim F. M. Torres, Portugal

The Guest Editors,
Mouffak Benchohra, Algeria
Amar Debbouche, Algeria
Sandra Pinelas, Portugal