## Editorial Office

Address for submission of papers: ***Studies in Mathematical Sciences*** Editorial Office
758, 77e AV, Laval, Quebec, H7V 4A8, Canada
E-mails: sms@cscanada.net sms@cscanada.org
office@cscanada.net caooc@hotmail.com

## Editor-in-Chief

Luca Q. Zamboni — University of Lyon 1, CNRS, UMR 5208, Inst Camille Jordan, F-69622 Villeurbanne, France

## Deputy Editor

Abdul-Majid Wazwaz — Department of Mathematics, Saint Xavier University, USA

## Associate Editors

**Aderemi Oluyomi Kuku.** Mathematics and Physics Department, College of Arts & Sciences, Grambling State University, USA

**Anjan Biswas.** Department of Mathematical Sciences, Delaware State University, USA

**Armen Bagdasaryan.** Russian Academy of Sciences, Trapeznikov Institute for Control Sciences of the Russian Academy of Sciences (ICSRAS), Russia

**Balswaroop Bhatt Fima.** Department of Mathematics and Statistics, University of the West Indies, St. Augustine, Trinidad (W.I.)

**Bhaskar Srivastava.** University of Lucknow, Lucknow, Uttar Pradesh, India

**Changjiang ZHU.** School of Mathematics and Statistics, Huazhong Normal University, China

**Changxing MIAO.** Institute of Applied Physics and Computational Mathematics, China

**Chawalit Boonpok.** Department of Mathematics, Faculty of Science, Mahasarakham University, Thailand

**Claudio Cuevas.** Department of Mathematics, Universidade Federal de Pernambuco, Recife-PE, Brazil

**Dimitri Leemans.** Department of Mathematics, University of Auckland, New Zealand

**Emanuele Galligani.** Faculty of Engineering "Enzo Ferrari", Università, di Modena e Reggio Emilia, Italy

**Faisal G. Khamis.** Faculty of Economics & Administrative Sciences, AL-Zaytoonah University of Jordan, Jordan

**Fucai LI.** Department of Mathematics, Nanjing University, China

**Haishen YAO.** Queensborough Community College, the City University of New York, USA

**Hari M. Srivastava.** Department of Mathematics and Statistics, University of Victoria, Victoria, British Columbia, Canada

**K.V.L.N. Acharyulu.** Faculty of Sciences, Department of Mathematics, Bapatla Engineering College, India

**Lin-Tian LUH.** Department of Mathematics, Providence University, Taiwan

**Madjid Eshaghi Gordji.** Department of Mathematics, Semnan University, Iran

**Mustafa Türkyilmazoğlu.** Department of Mathematics, University of Hacettepe, Ankara, Turkey

**Riccardo GATTO.** Department of Mathematics and Statistics, Institute of Mathematical Statistics and Actuarial Science, University of Bern, Switzerland

**Sever Silvestru Dragomir.** Research Group in Mathematical Inequalities and Applications, School of Engineering and Science, Victoria University, Australia

**Shafiq Ur Rehman.** Department of Mathematics, GC University, Faisalabd, Pakistan

**Shariefuddin Pirzada.** Department of Mathematics, University of Kashmir, India

**Shiqing ZHANG.** Department of Mathematics, Sichuan University, China

**Sophia Jang.** Department of Mathematics and Statistics, Texas Tech University, USA

**Steve Su.** Centre for Applied Statistics, University of Western Australia, Australia

**Sukumar Senthilkumar.** School of Mathematical Sciences, Universiti Sains Malaysia, Pulau Pinang, Penang, Malaysia

**Tapan K. Sengupta.** High Performance Computing Laboratory, Department of Aerospace Engineering, Indian Institute of Technology Kanpur, India

**Waseem Khalid.** Department of Mathematics, GC University, Pakistan

**Wansheng Wang.** School of Mathematics and Computational Science, Changsha University of Science and Technology, Yuntang Campus, China

**Wlodzimierz Fechner.** Institute of Mathematics, University of Silesia, Katowice, Poland

**Wen-Xiu MA.** Department of Mathematics and Statistics, College of Arts and Sciences, University of South Florida, USA

**Xiaojun YANG.** Department of Mathematics and Mechanics, China University of Mining and Technology, China

**Xiaoming ZENG.** Department of Mathematics, Xiamen University, China

**Zhi'an WANG.** Department of Applied Mathematics, Hong Kong Polytechnic University, Hong Kong

**Zongmin Wu.** Department and Institute of Mathematics, School of Mathematical Sciences, Fudan University, China

## Coordinating Editor

| | |
|---|---|
| Matthew Cliton | Canadian Research & Development Center of Sciences and Cultures, Canada |
| Steven Blahd | Canadian Research & Development Center of Sciences and Cultures, Canada |
| James Ryan | Canadian Research & Development Center of Sciences and Cultures, Canada |
| Yanni DING | Canadian Academy of Oriental and Occidental Culture; Canadian Research & Development Center of Sciences and Cultures, Canada |

# STUDIES IN MATHEMATICAL SCIENCES

ISSN 1923-8444 [Print]
ISSN 1923-8452 [Online]

Frequency: Quarterly

First published on November 30th, 2010, ***Studies in Mathematical Sciences*** is a quarterly academic journal focusing on coordinating and guiding teachings as well as serving as a platform for sharing experience and knowledge, and offering information in all branches of mathematical sciences. ISSN 1923-8444 [Print] and ISSN 1923-8452 [Online] are governed by Canadian laws, policies and regulatwions of Canadian Research & Development Center of Sciences and Cultures with its headquarter in Montreal, Canada. The center registered in Quebec.

**Authors could send manuscripts by E-mail:**
sms@cscanada.net sms@cscanada.org office@cscanada.net caooc@hotmail.com

Or send paper by post office to:
758, 77e AV, Laval, Quebec, H7V 4A8, Canada

**For citation format, we require parenthetical citations within the text rather than endnotes or footnotes.** Citation in the text provides information, usually the name of the author, the date of publication (the Author-Date System), and if need, the page number(s), to lead the reader to the accompanying full bibliographical entry in the reference list which is placed at the end of the research paper. We accept the APA (American Psychological Association) style, the CMS (Chicago Manual of Style), the MLA (Modern Language Association) style.

For details on manuscripts submissions, please see the Author Guidelines in our website:
Http://www.cscanada.org Http://www.cscanada.net

© Canadian Research & Development Center of Sciences and Cultures
758, 77e AV, Laval, Quebec
H7V 4A8, Canada

## Subscription Rates

Single Issue Prices (Institutions and Individuals)
In Canada $80.00 (CAD) Outside Canada $80.00 (USD)

**All rights reserved.** The ability to reproduce materials found in ***Studies in Mathematical Sciences*** ISSN 1923-8444 [Print] ISSN 1923-8452 [Online] is governed by Canadian law (such as, for example, the Copyright Act), policies and regulations of the Canadian Research & Development Center of Sciences and Cultures, and by other agreements, etc.. Reproduction in whole or in part is prohibited without written authorization of the Canadian Research & Development Center of Sciences and Cultures.