

International Journal of Analytical Mass Spectrometry and Chromatography



ISSN: 2332-1768



Journal Editorial Board

ISSN Print: 2332-1768 ISSN Online: 2332-1776
<http://www.scirp.org/journal/ijamsc>

Editor-in-Chief

Dr. Ilia Brondz Norwegian Drug Control and Drug Discovery Institute, Norway

Associate Editors-in-Chief

Prof. Sedunov Boris Russian New University, Russia

Dr. Federico Maria Rubino Università degli Studi di Milano, Italy

Editorial Board

Dr. Chanbasha Basheer KFUPM, Saudi Arabia

Dr. Timur Bilalov Kazan National Research Technological University, Russia

Dr. Sevgihan Yildiz Bircan Nagoya University, Japan

Prof. Sedunov Boris Russian New University, Russia

Prof. Huan-Tsung Chang National Taiwan University, China

Dr. Alberto Chisvert University of Valencia, Spain

Dr. Lan Dai Genentech, Inc., USA

Dr. Enrico I Davol IRCCS Istituto Mario Negri, Italy

Prof. Nguyen Huynh Dong PetroVietnam Manpower Training College, Vietnam

Dr. Devrishi Goswami The SCRIPPS Research Institute, USA

Prof. Farid Gumerov Kazan National Research Technological University, Russia

Dr. Matthew S. Halquist Virginia Commonwealth University, USA

Dr. Qiuting Hong Eurofins Lancaster Laboratories, USA

Dr. Shen Hu University of California, USA

Dr. Liuwei Jiang Guangdong Pharmaceutical University, China

Prof. Massoud Kaykhali University of Sistan and Baluchestan, Iran

Dr. Hui Li Washington State University, USA

Dr. X. Michael Liu Bausch & Lomb, Inc., USA

Dr. Rocío Maceiras Defense University Center, Spain

Prof. Susana Rodriguez-Couto Health and Water Division, Spain

Prof. Chuan-Chou Shen National Taiwan University, China

Prof. N. Sivaraman Indira Gandhi Centre for Atomic Research (IGCAR), India

Dr. Harika Vemula University of Missouri Kansas City, USA

Dr. Troy D. Wood University of New York at Buffalo, USA

Dr. Ranran Wu University of Pennsylvania, USA

Prof. Mehmet Yaman Firat University, Turkey

Academic Editors

Dr. Liulin Deng Biology Science Division Pacific Northwest National Laboratory, USA

Dr. Yunfeng Lin University of North Carolina at Charlotte, USA

Dr. Barbara Pioselli Biomolecules Structural Characterization Unit, Italy

Dr. Vaneet K. Sharma Novartis Vaccines, USA

Dr. Yuping Zhou Eli Lilly and Company, USA

Table of Contents

Volume 5 Number 2

June 2017

Influence of Modifiers on Supercritical Fluid Chromatography (SFC) and Supercritical Fluid Extraction (SFE), Part I

I. Brondz, B. Sedunov, N. Sivaraman.....17

Theoretical and Experimental Study of Reaction of Transesterification of Vegetable Oils in an Alcohol Environment in the SbCF and SCF Conditions with the Ultrasonic Emulsification of Reaction Mixture and the Use of Heterogeneous Catalysts

F. M. Gumerov, R. A. Usmanov, S. V. Mazanov, A. R. Gabitova, A. I. Kourdiyukov, Z. I. Zaripov.....40

International Journal of Analytical Mass Spectrometry and Chromatography (IJAMSC)

Journal Information

SUBSCRIPTIONS

International Journal of Analytical Mass Spectrometry and Chromatography (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2017 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2017 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

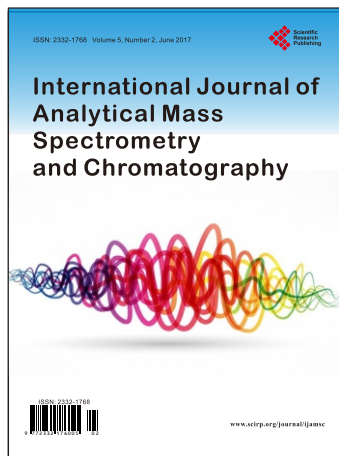
Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ijamsc@scirp.org



International Journal of Analytical Mass Spectrometry and Chromatography (IJAMSC)

ISSN Print: 2332-1768

ISSN Online: 2332-1776

<http://www.scirp.org/journal/ijamsc>

International Journal of Analytical Mass Spectrometry and Chromatography (IJAMSC) is an open access journal. The goal of the journal is to provide a platform for scientists, researchers and practitioners in industry and academia all over the world to present views, discuss new issues, and promote developments in all areas of Mass Spectrometry and Chromatography. We will provide a forum for the presentation of A. development in research, instrumentation, methodology, and industrial application and B. applications in clinical diagnostics, forensic medicine, drug discovery and drug control, monitoring of environmental pollutions, analyses of natural products and toxins as well as all areas connected to theoretical development of Mass Spectrometry and Chromatography as dynamic expanding field of sciences.

Subject Coverage

The journal publishes original papers, short communications and technical notes including but not limited to the following fields:

- Analysis of Biological Active Substances
- Analysis of Natural Products and Toxins
- Analysis of Pharmacological Active Ingredients
- Applications of Multi-Detection System
- Applications to Biochemistry
- Applications to Elemental Analytical Inorganic Chemistry
- Applications to Environmental Chemistry
- Applications to Organic Synthesis
- Applications to Pharmaceutical Chemistry
- Atmospheric Pressure Chemical Ionization
- Capillary Electro-Chromatography
- Capillary Electro-Chromatography-Mass Spectrometry
- Capillary Electrophoresis
- Capillary Electrophoresis-Mass Spectrometry
- Capillary Electrophoresis-Mass Spectrometry in Proteomics
- Chromatography-Mass Spectrometry in Proteomics
- Construction of New Detection Devices for Mass Spectrometry and Chromatography
- Electro Hydrodynamic Ionization
- Elucidation of Molecular Structures by Mass Spectrometry and Chromatography-Mass Spectrometry
- Enantiomers Resolution and Enantiomers' Structure Elucidation
- Engineering of Mass Spectrometry and Chromatography
- Fast Atom Bombardment
- Field Desorption
- Field Ionization
- Fluorescence-Electrospray Ionization-Mass Spectrometry
- Gas Chromatography
- High Performance Liquide Chromatography
- High Speed Gas Chromatography
- Instrument Design and Instrument Development
- Ion Structure
- Ionization Processes
- Isomers Separations and Isomers' Structure Elucidation
- Laser Desorption
- Liquide Chromatography
- Mass Spectrometry in Proteomics
- Mechanisms and Energetics of Gaseous Ion Reactions
- Methodology Development
- Monitoring of Drug Quality and Monitoring of Drug Degradation
- New Columns Development and Engineering
- Preparative High Performance Liquide Chromatography
- Preparative Liquide Chromatography
- Preparative Thin Layer Chromatography
- Qualitative and Quantitative Analysis
- Sample Preparation and Specific Derivatization for Mass Spectrometry and Mass Spectroscopy
- Sample Preparation and Specific Derivatization for TLC, LC, HPLC, SFC and GC
- Spectroscopy of Gaseous Ions
- Supercritical Fluid Chromatography
- Supercritical Fluid Chromatography-Mass Spectrometry
- Supersonic Molecular Beam Ionization-Mass Spectrometry
- The Development in Simulated-Moving Bed Chromatography
- The Gel Filtration Chromatography (Separations of Proteins, Peptides, and Oligonucleotides)
- The Methodology in Micro-, Analytical, Semianalytical, Preparative and Bulk Chromatography
- Theoretical Aspects of Mass Spectrometry and Chromatography
- Thermal Ionization
- Thin Layer Chromatography

We are also interested in: 1) Short reports—2-5 page papers where an author can present an idea with theoretical background, but has not yet completed the research needed for a complete paper or an author presents preliminary data; 2) Short communications—2-5 page papers; 3) Technical notes—2-5 page papers; 4) Letters to the Editor; 5) Reviews or book reviews—comments and critiques (the number of pages is not restricted); 6) Advertisement.

Website and E-Mail

<http://www.scirp.org/journal/ijamsc>

E-mail: ijamsc@scirp.org