

ISSN: 2332-1768 Volume 1, Number 2, December 2013



Scientific
Research

International Journal of Analytical Mass Spectrometry and Chromatography

ISSN: 2332-1768



www.scirp.org/journal/ijamsc

Journal Editorial Board

ISSN Print: 2332-1768

ISSN Online: 2332-1776

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

Editor-in-Chief

Prof. Ilia Brondz

University of Oslo, Norway

Associate Editor-in-Chief

Dr. Federico Maria Rubino

Università degli Studi di Milano, Italy

Editorial Board

Dr. Anas Abdel Rahman

Samuel Lunenfeld Research Institute, Canada

Dr. Sevgihan Yildiz Bircan

Nagoya University, Japan

Prof. Sedunov Boris

Russian New University, Russia

Dr. Basheer Chanbasha

KFUPM, Saudi Arabia

Prof. Huan-Tsung Chang

National Taiwan University, China

Dr. Lan Dai

Genentech, Inc., USA

Dr. Devrishi Goswami

The SCRIPPS research institute, USA

Dr. Robert Graham

University of Manchester, UK

Prof. Farid Gumerov

Kazan National Research Technological University, Russia

Dr. Matthew S. Halquist

Virginia Commonwealth University, USA

Dr. Shen Hu

University of California, USA

Dr. X. Michael Liu

BAUSCH & LOMB, INC., USA

Dr. Selene Hernandez Ruiz

University of Arizona, USA

Prof. Chuan-Chou Shen

National Taiwan University, China

Prof. N. Sivaraman

Indira Gandhi Centre for Atomic Research (IGCAR), India

Dr. Jozef Stec

Chicago State University, USA

Dr. Troy D. Wood

University of New York at Buffalo, USA

Dr. Hasanova R. Ziyayevna

Institute of Petrochemical Processes named after Yu.G.Mamedaliyev, Azerbaijan

TABLE OF CONTENTS

Volume 1 Number 2

December 2013

Analytical Methods in the Quality Control of Scientific Publications Part II: The Authors', Reviewers', Editors' Responsibility, and the Publishers' Authority

I. Brondz.....81

Formation of Mercury(II)-Glutathione Conjugates Examined Using High Mass Accuracy Mass Spectrometry

Z. Fine, T. D. Wood.....90

A Simple and Fast Separation Method of Fe Employing Extraction Resin for Isotope Ratio Determination by Multicollector ICP-MS

A. Makishima.....95

The Equilibrium Thermal Physics of Supercritical Fluids

B. Sedunov.....103

Structure Elucidation of a New Toxin from the Mushroom *Cortinarius rubellus* Using Gas Chromatography-Mass Spectrometry (GC-MS)

I. Brondz.....109

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©2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

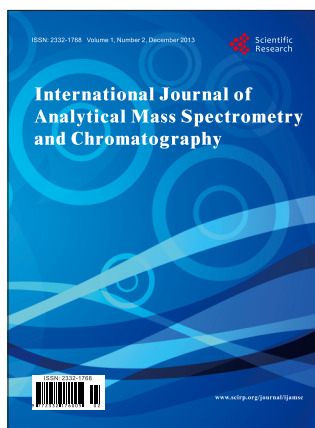
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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:

- Qualitative and Quantitative Analysis
- Elucidation of molecular structures by Mass Spectrometry and Chromatography - Mass Spectrometry
- Isomers separations and isomers' structure elucidation
- Enantiomers resolution and enantiomers' structure elucidation
- Analysis of Biological Active Substances
- Analysis of Natural Products and Toxins
- Analysis of Pharmacological Active Ingredients
- Monitoring of drug quality and monitoring of drug degradation
- Applications to Elemental Analytical Inorganic Chemistry
- Applications to Pharmaceutical Chemistry
- Applications to Biochemistry
- The gel filtration chromatography (separations of proteins, peptides, and oligonucleotides)
- The development in Simulated-moving bed chromatography
- Applications to Organic Synthesis
- Applications to Environmental Chemistry
- Atmospheric Pressure Chemical Ionization
- Applications of multi-detection system
- Electro hydrodynamic Ionization
- Fast Atom Bombardment
- Field Desorption
- Field Ionization
- Thermal Ionization
- Laser Desorption
- Fluorescence-electrospray ionization-mass spectrometry
- Supersonic Molecular Beam ionization-mass spectrometry
- Engineering of Mass spectrometry and Chromatography
- Instrument Design and Instrument Development
- Construction of new detection devices for Mass spectrometry and Chromatography
- Ion Structure
- Ionization Processes
- Mechanisms and Energetics of Gaseous Ion Reactions
- Methodology Development
- Spectroscopy of Gaseous Ions
- Theoretical Aspects of Mass spectrometry and Chromatography
- Sample Preparation and Specific Derivatization for Mass Spectrometry and Mass Spectroscopy
- Sample Preparation and Specific Derivatization for TLC, LC, HPLC, SFC and GC
- New columns development and engineering
- The methodology in micro-, analytical, semianalytical, preparative and bulk 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