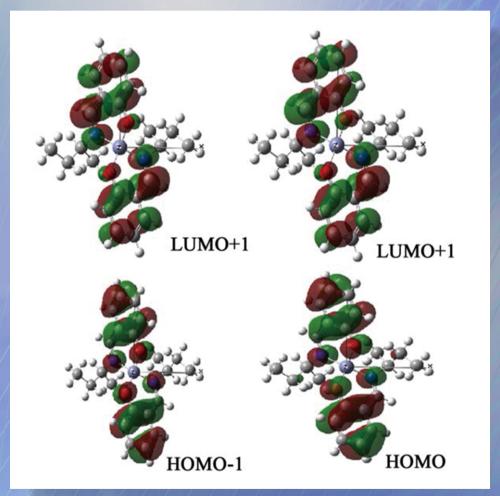




American Journal of Analytical Chemistry

Special Issue on Fluorescence Analysis





Journal Editorial Board

ISSN Print: 2156-8251 ISSN Online: 2156-8278

http://www.scirp.org/journal/ajac

.....

Editor-in-Chief

Prof. Raman Venkataramanan University of Pittsburgh, USA

Editorial Board

Prof. Talal Ahmad AburjaiUniversity of Jordan, JordanDr. Mohamed Said AttiaAin Shams University, Egypt

Prof. Doo Soo Chung

Dr. Jimmy Thomas Efird

Dr. Lizhen Gao

Seoul National University, South Korea
University of North Carolina, USA
University of Western Australia, Australia

Dr. Gustavo Stoppa Garbellini Federal University of São Carlos (UFSCAR), Brazil

Prof. Hitoshi Habuka Yokohama National University, Japan

Prof. Bin Hu Wuhan University, China

Dr. Abubakr M. Idris King Khalid University, Saudi Arabia

Dr. Muntean Edward Ioan University of Agricultural Sciences and Veterinary Medicine (USAMV) Cluj-Napoca, Romania

Dr. Harald John Bundeswehr Institute of Pharmacology and Toxicology, Germany

Dr. Satoshi Kaneco Mie University, Japan

Prof. Do Hyun Kim Korea Advanced Institute of Science and Technology, South Korea

Prof. Jilie Kong Fudan University, China

Prof. Raghavendra V. KulkarniBLDEA's College of Pharmacy, IndiaDr. Vanya Bogdanova KurtevaBulgarian Academy of Sciences, Bulgaria

Dr. Igor K. LednevUniversity at Albany, USADr. Kong M. LiUniversity of Sydney, Australia

Prof. Robert J. Linhardt Rensselaer Polytechnic Institute (RPI), USA

Prof. Georges Lognay Gembloux Agro-Bio Tech, Belgium

Dr. Rocio Maceiras-CastroUniversity of Vigo, SpainDr. Lijie MenJohnson & Johnson, USADr. Tanja MimmoFree University of Bolzano, Italy

Dr. Kingsuk Mukhopadhyay Defence Materials & Stores Research & Development Establishment, India

Prof. K. NatarajanBharathiar University, IndiaDr. Mu. NaushadKing Saud University, Saudi ArabiaProf. Li NiuChinese Academy of Sciences, China

Dr. Hyun Gyu Park Korea Advanced Institute of Science and Technology, South Korea

Prof. Tae Jung ParkChung-Ang University, South KoreaDr. Surendra PrasadUniversity of the South Pacific, FijiDr. Ziyaur RahmanFood and Drug Administration, IndiaProf. Susana Rodríguez-CoutoUnit of Envinronmental Engineering, SpainDr. José Manuel Amigo RubioUniversity of Copenhagen, Denmark

Dr. Hans Sanderson
Prof. Alberto Chisvert Sanía

Oniversity of Copennagen, De
Aarhus University, Denmark
University of Valencia, Spain

Dr. Rajat SethiTexas A&M Health Science Center, USAProf. Xuping SunChinese Academy of Sciences, ChinaDr. Yugang SunArgonne National Laboratory, USADr. Eric Robert TkaczykUniversity of Tartu Medical School, Estonia

Prof. Ciddi VeereshamKakatiya University, IndiaProf. Gavin M. WalkerQueen's University Belfast, UKProf. Thomas P. WestSouth Dakota State University, USA

Prof. Hui-Fen Wu National Sun Yat-sen University, Chinese Taipei

Dr. Qingli Wu Rutgers University, USA

Prof. Tangfu XiaoChinese Academy of Sciences, ChinaDr. Chun YangNanyang Technological University, ChinaDr. George ZachariadisAristotle University of Thessalonike, Greece

Prof. Anyun Zhang Zhejiang University, China

Prof. Jianwen Zhang Beijing University of Chemical Technology (BUCT), China

Prof. Tonglai Zhang Beijing Institute of Technology, China



Table of Contents

Volume 5	Number 12	September 2014
•	ystems of Chiral Schiff Base Zn(II) Complexes and r Environmental Ion Sensing	Photochromic
T. Miura, T. Or	nodera, S. Endo, A. Yamazaki, T. Akitsu	751
Quantitative A	nalysis of FeMo Alloys by X-Ray Fluorescence Spe	ectrometry
SM. Jung		766
	of Telomere Length by the Quantitative Fluoreso Q-FISH) Method	cence in Situ
,	niyama-Shimomura, K. Nakamura, N. Ishikawa,	
M. Terai, Y. Ma	atsuda, S. Aida, T. Arai, K. Takubo	775
•	f Polydeoxyribonucletides (PDRNs) in Human Pla e Spectroscopy Using Ethidium Bromide	cental Extract
P. D. Chakrabo	orty, S. Goswami, S. Bera, I. Mukhopadhyay	784
_	sed Fluorescence Quenching System for Activity Authority Authority Authority Authority Research	Assay and Inhibitor
E. Kinoshita-Ki	kuta, H. Kurosaki, N. Kunisada, E. Kinoshita, T. Koike	796
Total Reflection	n X-Ray Fluorescence Analysis of Toxic Metals in	Fish Tissues
G. Zarazúa, K.	Girón-Romero, S. Tejeda, C. CD. León, P. Ávila-Pérez	805

American Journal of Analytical Chemistry (AJAC)

Journal Information

SUBSCRIPTIONS

The American Journal of Analytical Chemistry (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$89 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 © 2014 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 © 2014 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: ajac@scirp.org





American Journal of Analytical Chemistry

ISSN Print: 2156-8251 ISSN Online: 2156-8278 http://www.scirp.org/journal/ajac

American Journal of Analytical Chemistry is a peer reviewed international journal dedicated to the latest advancement of analytical chemistry. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties. With an open access publication model of this journal, all interested readers around the world can freely access articles online. Now we sincerely invite you to submit your research manuscript to **AJAC**.

Editor-in-Chief

Prof. Raman Venkataramanan University of Pittsburgh, USA

Subject Coverage

The American Journal of Analytical Chemistry publishes original papers including but not limited to the following fields:

- Analytical Chemistry Applications in Engineering
- Atomic and Molecular Spectroscopy (UV, IR, Raman, NMR, MS, Microscopy, FS)
- Chemical Sensors, Biosensors and Related Technologies
- Chemometrics
- Chemosensitive Materials
- Chromatography and Electrophoresis
- Composite Materials
- Electroanalysis and Electroanalytical Techniques
- Environmental, Clinical, Biological and Agrochemical Applications
- Environmental, Health and Forensic Analysis
- High-Throughput Screening
- Ion Exchange Materials
- Novel Extraction and Microextraction Procedures
- Sample Preparation
- Separation Techniques for Hazardous Substances
- Thermal Analysis

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the AJAC.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

http://www.scirp.org/journal/ajac E-mail: ajac@scirp.org