

ISSN: 2156-8251 Volume 12, Number 7, July 2021



American Journal of Analytical Chemistry

ISSN: 2156-8251



9 772156 825004 07

<https://www.scirp.org/journal/ajac>

Journal Editorial Board

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

<https://www.scirp.org/journal/ajac>

Editor-in-Chief

Prof. Raman Venkataramanan University of Pittsburgh, USA

Editorial Board

Dr. Jimmy Thomas Efid University of North Carolina, USA
Dr. Paola Fermo University of Milan, Italy
Dr. Elisa Gonzalez-Romero University of Vigo, Spain
Prof. Hitoshi Habuka Yokohama National University, Japan
Prof. Alireza Heidari California South University (CSU), Irvine, California, USA
Prof. Bin Hu Wuhan University, China
Dr. Abubakr M. Idris King Khalid University, Saudi Arabia
Dr. Harald John Bundeswehr Institute of Pharmacology and Toxicology, Germany
Dr. Sa'ib J. Khouri American University of Madaba, Jordan
Prof. Raghavendra V. Kulkarni BLDEA's College of Pharmacy, India
Dr. Kong M. Li University of Sydney, Australia
Prof. Robert J. Linhardt Rensselaer Polytechnic Institute (RPI), USA
Dr. Kingsuk Mukhopadhyay Defence Materials & Stores Research & Development Establishment, India
Prof. K. Natarajan Bharathiar University, India
Prof. Li Niu Chinese Academy of Sciences, China
Prof. Hyun Gyu Park Korea Advanced Institute of Science and Technology, South Korea
Prof. Tae Jung Park Chung-Ang University, South Korea
Dr. Tuan Dinh Phan Texas Southern University, USA
Prof. Surendra Prasad University of the South Pacific, Fiji
Dr. Ziyaur Rahman Food and Drug Administration, India
Prof. Susana Rodríguez-Couto Unit of Environmental Engineering, Spain
Dr. Nikola Sakac University of Zagreb, Croatia
Dr. Hans Sanderson Aarhus University, Denmark
Prof. Xuping Sun Chinese Academy of Sciences, China
Prof. Yugang Sun Argonne National Laboratory, USA
Prof. Ciddi Veeresham Kakatiya University, India
Prof. Gavin M. Walker Queen's University Belfast, UK
Dr. Qingli Wu Rutgers University, USA
Prof. Tangfu Xiao Chinese Academy of Sciences, China
Dr. George Zachariadis Aristotle University of Thessaloniki, Greece
Prof. Anyun Zhang Zhejiang University, China

Table of Contents

Volume 12 Number 7

July 2021

Spectroscopic Sensing Characteristics of Novel Osmium Carbonyl Complexes to DNA and Other Polyanions

G. Ostner, C. Piotrowski, X. Y. Ren, Y. Lei, M. Uddin,

S. Wong, K. Chen, L. Pham, E. Megehee, E.J. Wang.....277

American Journal of Analytical Chemistry (AJAC)

Journal Information

SUBSCRIPTIONS

The *American Journal of Analytical Chemistry* (Online at Scientific Research Publishing, <https://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 © 2021 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 © 2021 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

<https://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

<https://www.scirp.org/journal/ajac> E-mail: ajac@scirp.org