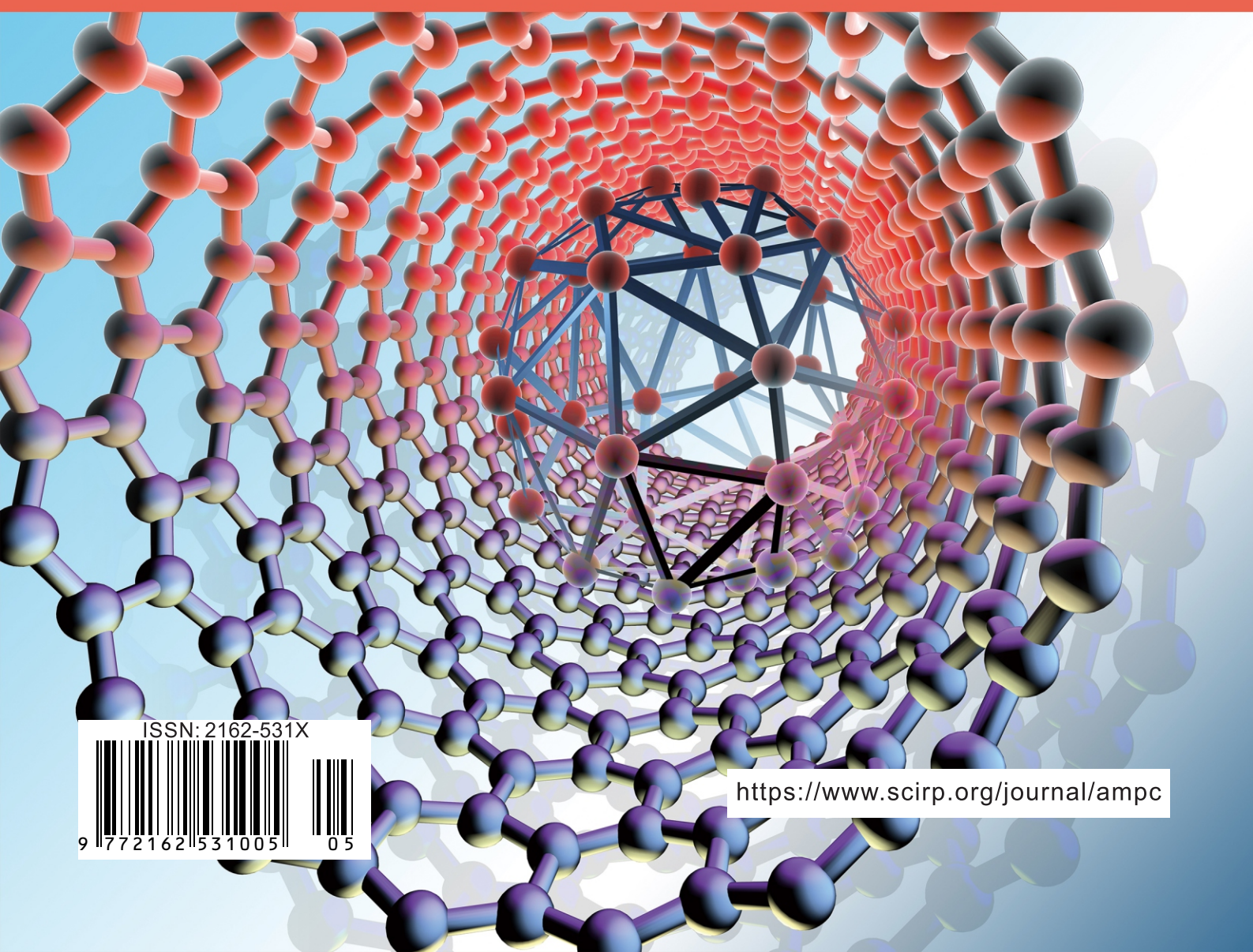


ISSN: 2162-531X

Volume 15, Number 5, May 2025



Advances in Materials Physics and Chemistry



ISSN: 2162-531X



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

Journal Editorial Board

ISSN: 2162-531X (Print) ISSN: 2162-5328 (Online)
<https://www.scirp.org/journal/ampe>

Editor-in-Chief

Prof. Zhiwen Chen

Shanghai University, China

Editorial Board

Prof. Takashiro Akitsu

Tokyo University of Science, Japan

Dr. Bensely Albert

CMC Americas, Inc., USA

Prof. Maysoon Alias

University of Baghdad, Iraq

Prof. Adriana Bigi

University of Bologna, Italy

Dr. Mary Caruso

3M Company, USA

Prof. Fatma Göde

Burdur Mehmet Akif Ersoy University, Türkiye

Prof. Tien-Min Gabriel Chu

Indiana University School of Dentistry, USA

Prof. Yongli Gao

University of Rochester, USA

Prof. Byron D. Gates

Simon Fraser University, Canada

Prof. A. Nirmala Grace

VIT University, India

Prof. David Hui

University of New Orleans, USA

Prof. Kisuk Kang

Seoul National University, South Korea

Dr. Hong Jin Kim

Advanced Module Engineering, Globalfoundries, USA

Prof. Ing Kong

La Trobe University, Australia

Prof. Mathew T. Mathew

University of Illinois Chicago, USA

Prof. R. M. Mehra

Sharda University, India

Dr. Mohsen Mhadhbi

National Institute of Research and Physicochemical Analysis, Tunisia

Prof. Santosh K. Pandey

Iowa State University, USA

Prof. Rakesh Sharma

FAMU-FSU College of Engineering, USA

Prof. Peter E. Strizhak

National Academy of Sciences of Ukraine, Ukraine

Prof. Yadong Wang

Cornell University, USA

Dr. Meng Zhang

Philips Lumileds Lighting Company, USA

Prof. Zengping Zhang

Chang'an University, China

Prof. Qifa Zhou

University of Southern California, USA

Table of Contents

Volume 15 Number 5

May 2025

Calculation and Analysis of the Thermodynamic Properties of Air-Aerosols Mixtures

W. C. Yaguibou, A. R. Korbeogo, I. Pafadnam, N. Kohio, A. K. Kagone, Z. Koalaga 75

Advances in Materials Physics and Chemistry (AMPC)

Journal Information

SUBSCRIPTIONS

The *Advances in Materials Physics and Chemistry* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 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 © 2025 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 © 2025 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.

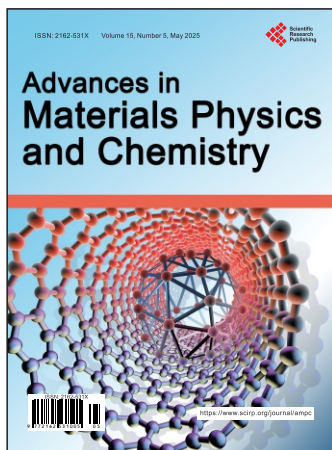
Disclaimer of liability

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: ampc@scirp.org



Call for Papers

Advances in Materials Physics and Chemistry

ISSN: 2162-531X (Print) ISSN: 2162-5328 (Online)

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

Advances in Materials Physics and Chemistry contains rapid communications, full-length original research, review articles and comments on interrelationships among synthesis, micro/nanostructures, properties, processing and performance of Materials Science, Physics, and Chemistry. This includes, but is not limited to:

- Biomaterials
- Composite Materials
- Energy Resources Materials
- Environmental Materials
- Fine Ceramics
- Graphene and Carbon
- Magnetism
- Nanodevices
- Nanomaterials
- Nanotechnology
- Optoelectronic Materials
- Polymers
- Quantum Science and Technology
- Semiconductors
- Superconductors
- Surface and Interface Science
- Thin Films

Editor-in-Chief

Prof. Zhiwen Chen

Shanghai University, China

Editorial Board

Prof. Takashiro Akitsu

Dr. Bensely Albert

Prof. Maysoon Alias

Prof. Adriana Bigi

Dr. Mary Caruso

Prof. Fatma Göde

Prof. Tien-Min Gabriel Chu

Prof. Yongli Gao

Prof. Byron D. Gates

Prof. A. Nirmala Grace

Prof. David Hui

Prof. Kisuk Kang

Dr. Hong Jin Kim

Prof. Ing Kong

Prof. Mathew T. Mathew

Prof. R. M. Mehra

Dr. Mohsen Mhadhbi

Prof. Santosh K. Pandey

Prof. Rakesh Sharma

Prof. Peter E. Strizhak

Prof. Yadong Wang

Dr. Meng Zhang

Prof. Zengping Zhang

Prof. Qifa Zhou

Website and E-Mail

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

E-mail: ampc@scirp.org