

ISSN: 2161-4865

Volume 12, Number 1, September 2024



Journal of Encapsulation and Adsorption Sciences

ISSN: 2161-4865



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

Journal Editorial Board

ISSN 2161-4865 (Print) ISSN 2161-4873 (Online)

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

Editor-in-Chief

Prof. Richard J. Spontak

North Carolina State University, USA

Editorial Board

Dr. Rabin Bissessur

University of Prince Edward Island, Canada

Dr. Claudia Botelho

University of Minho, Portugal

Prof. Weiquan Cai

Wuhan University of Technology, China

Prof. Yongping Chen

Southeast University, China

Prof. Nily Dan

Drexel University, USA

Prof. Ruey-An Doong

National Tsing Hua University, Chinese Taipei

Prof. Chang-Sik HA

Pusan National University, South Korea

Dr. Masoud Haghshenasfard

Isfahan University of Technology, Iran

Prof. Yongsheng Han

Chinese Academy of Sciences, China

Prof. Moon Suk Kim

Ajou University, South Korea

Prof. Guanghui Ma

Chinese Academy of Sciences, China

Prof. Elena A. Markvicheva

Russian Academy of Sciences, Russia

Prof. Melvin A. Pascall

Food Science and Technology, OSU, USA

Prof. Jordi Puiggali

Polytechnic University of Catalonia, Spain

Dr. Gustaaf Schoukens

Ghent University, Belgium

Dr. Davod Seifzadeh

University of Mohaghegh Ardabili, Iran

Prof. Lan Tighzert

University of Reims Champagne Ardenne, France

Prof. Claude Verdier

University of Grenoble, France

Dr. Jinying Yuan

Tsinghua University, China

Prof. Changying Zhao

Shanghai Jiao Tong University, China

Table of Contents

Volume 12 Number 1

September 2024

**Simultaneous Adsorption of Aqueous Pb^{2+} , Cu^{2+} , Zn^{2+} , and Cd^{2+} Using
Surfactant-Modified and Unmodified Activated Carbon in a Fixed Bed Column**

M. A. Olatunji, K. A. Salam, A. M. Evuti 1

Journal of Encapsulation and Adsorption Sciences (JEAS)

Journal Information

SUBSCRIPTIONS

The *Journal of Encapsulation and Adsorption Sciences* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly 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 © 2024 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 © 2024 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.

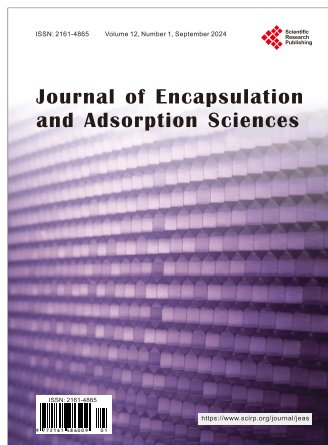
Disclaimer of liability

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: jeas@scirp.org



Journal of Encapsulation and Adsorption Sciences (JEAS)

ISSN: 2161-4865 (Print) ISSN: 2161-4873 (Online)
<https://www.scirp.org/journal/jeas>

Journal of Encapsulation and Adsorption Research (JEAS) is an international, specialized, English-language journal devoted to publication of original contributions concerning with the processes and technology adsorption and also encapsulation (nano-, micro...) for applications including among others:

Biomedical and pharmaceutical applications with drug delivery systems (transdermal, oral), biomarkers, nanomedicine, nano-tagants with fluorescent dyes encapsulated, theranostics, biomimetics...

Food technology,

Cosmetics,

Textiles,

Biochemistry,

Optics,

Photonics,

Environment, energy storage, thermal insulation and reinforcement materials.

It is an open-access, peer-reviewed journal describing scientific and technological advances that cover the basic sciences, engineering aspects and applied technology of molecules (proteins, enzymes, food, fragrance, gas...) as well as other diverse materials encapsulation and adsorption with preparative manipulation and related materials properties. The journal publishes the highest quality original full articles, communications, notes, reviews, special issues and books, covering both the experimental and theoretical aspects including but not limited to the following materials (as bulk, films, nanoparticles), studies and techniques:

- Adsorption
- Capsulation Process and Characterization
- Capsulation Techniques Processes and Instrumentation
- Catalysis
- Coating Process of Encapsulated Materials
- Coatings
- Colloids and Formulations
- Controlled Release
- Encapsulation in Layer-by-Layer Polyelectrolyte Films
- Encapsulation in the Food, Cosmetics and Biomedical Fields among others
- Hydrogels, Polymers, (Sol-Gel) Glasses, Ceramics, Inorganic-Organic Hybrid Materials, Porous Materials and Metal-Organic Framework as Bulk or Films, Multi-Functional Particles, Nanocapsules, and any other host matrices and materials supports of interest.
- Molecular Interactions Studies, Surface Properties
- Technical Processes and Analytical Methods

Papers are acceptable provided they report important findings, novel insights or useful techniques within the scope of the journal. All manuscript must be prepared in English, and are subjected to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by prints in hard copy.

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 referred through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

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

E-mail: jeas@scirp.org