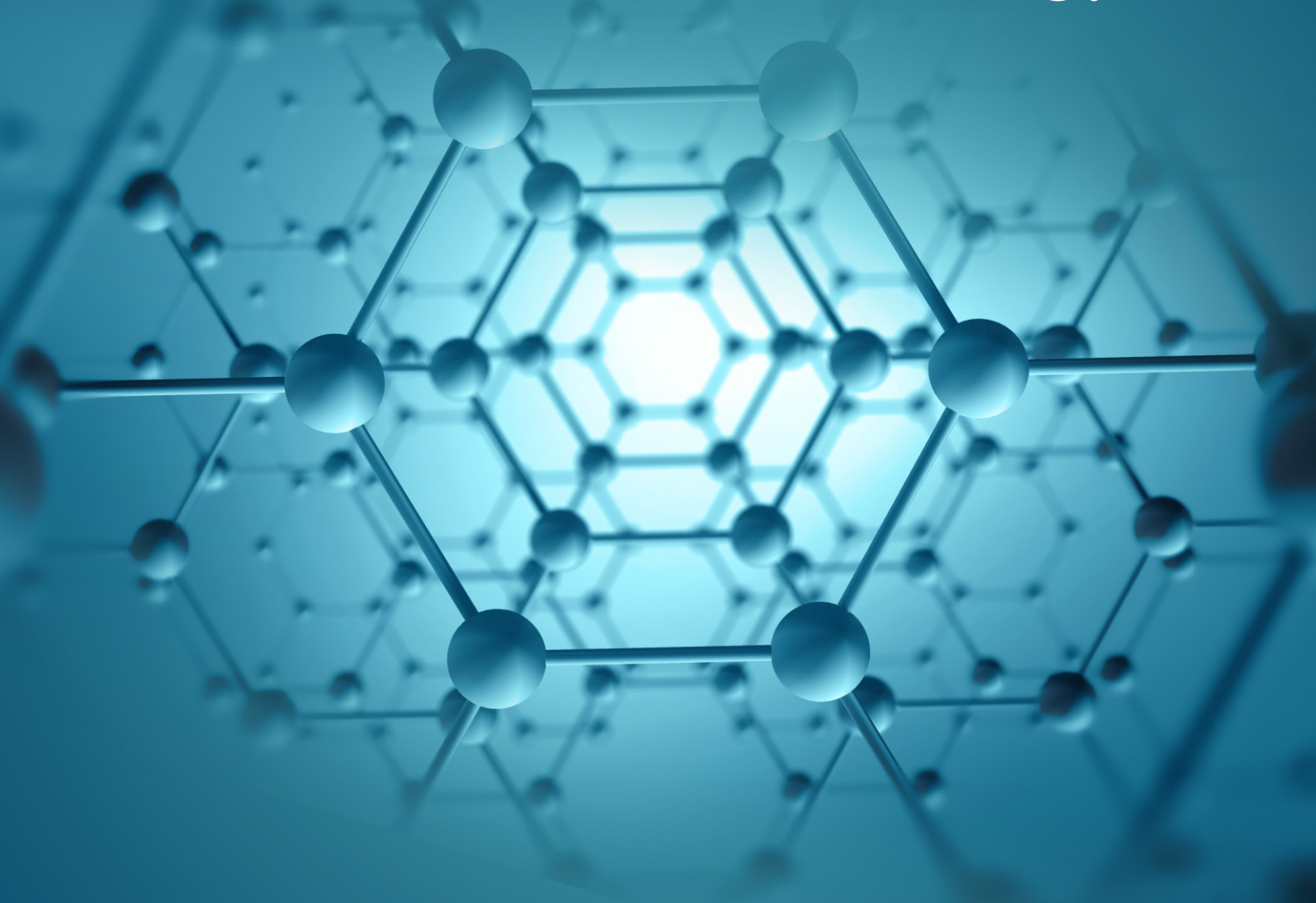


ISSN: 2158-7027 Volume 17, Number 2, April 2026



Journal of Biomaterials and Nanobiotechnology



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

Journal Editorial Board

ISSN: 2158-7027 (Print) 2158-7043 (Online)

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

Editor-in-Chief

Prof. Bouzid Menaâ Fluorotronics, Inc., USA

Editorial Board

| | |
|--------------------------------------|---|
| Prof. Adnane Abdelghani | National Institute of Applied Science and Technology, Tunisia |
| Prof. Anthony A. Attama | University of Nigeria, Nigeria |
| Prof. Michael H. Bartl | University of Utah, USA |
| Prof. Pierre Basmaji | Sao Paulo University, Brazil |
| Dr. Zeki Candan | Istanbul University, Türkiye |
| Prof. Paul Ducheyne | University of Pennsylvania, USA |
| Prof. Elsayed Ahmed Elnashar | Kafrelsheikh University, Egypt |
| Prof. Soney C George | Amal Jyothi College of Engineering, India |
| Prof. Alireza Heidari | California South University (CSU), USA |
| Prof. Plinio Innocenzi | Università di Sassari, Italy |
| Prof. Ali Khademhosseini | Massachusetts Institute of Technology, USA |
| Prof. Beate Kokschi | Free University of Berlin, Germany |
| Prof. Junbai Li | Chinese Academy of Sciences, China |
| Prof. Song Li | University of California, USA |
| Prof. Xiaodong Li | University of South Carolina, USA |
| Prof. Yang Ling | Chinese Academy of Sciences, China |
| Prof. Junqiu Liu | Hangzhou Normal University, China |
| Prof. Peng Liu | Lanzhou University, China |
| Prof. Song Liu | University of Manitoba, Canada |
| Prof. Jacques Livage | College de France, France |
| Prof. Stephen Mann | University of Bristol, UK |
| Prof. Wolfgang Meier | University of Basel, Switzerland |
| Prof. Enzo Montoneri | University of Turin, Italy |
| Prof. Yoshihiko Murakami | Tokyo University of Agriculture and Technology, Japan |
| Prof. Chandrabhas Narayana | Jawaharlal Nehru Centre for Advanced Scientific Research, India |
| Prof. Faik Nuzhet Oktar | Marmara University, Türkiye |
| Prof. Murugan Ramalingam | Tohoku University, Japan |
| Dr. Vijayakumar Sekar | Alagappa University, India |
| Dr. Jay Singh | Banaras Hindu University, India |
| Dr. Ravindra Pratap Singh | Indira Gandhi National Tribal University, India |
| Prof. Masahide Takahashi | Osaka Prefecture University Sakai, Japan |
| Prof. Anjanapura V. Raghu | JAIN Deemed-to-be University, India |
| Prof. Maria Vallet-Regi | University Complutense of Madrid, Spain |
| Prof. Murali M. Yallapu | Sanford Research, USA |
| Prof. Sahar Zinatloo-Ajabshir | University of Bonab, Iran |

Table of Contents

Volume 17 Number 2

April 2026

Orange Peel Waste Valorization from Bioactive Compound Recovery to Functional and Industrial Applications

A. Bratovic..... 33

Journal of Biomaterials and Nanobiotechnology (JBNB)

Journal Information

SUBSCRIPTIONS

The *Journal of Biomaterials and Nanobiotechnology* (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 © 2026 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 © 2026 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: jbnb@scirp.org



Journal of Biomaterials and Nanobiotechnology

ISSN: 2158-7027 (Print), 2158-7043 (Online)
<https://www.scirp.org/journal/jbnb>

Journal of Biomaterials and Nanobiotechnology is an international, interdisciplinary, English-language publication of original contributions concerning studies of the preparation, performance, and evaluation of biomaterials; the chemical, physical, toxicological, mechanical, electrochemical and optical behavior of nanostructured materials for biotechnology applications. 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 JBNB.

Subject Coverage

Journal of Biomaterials and Nanobiotechnology publishes original papers including but not limited to the following fields:

- Bio-encapsulation, bio-adsorption, controlled release of biomolecules (drugs, proteins, etc.), nutraceuticals
- Bio-induced nanopatterning, arrays of biological molecules, bioships
- Bio-MEMS
- Biomimetics and bio-inspired materials
- Biomolecules/surfaces interactions studies: biocompatibility of materials, biomolecules conformations, structure and dynamics at surfaces, molecular interactions, biological activity, thermodynamics and pharmacokinetics of nanostructured materials
- Development, design and synthesis of biocompatible biomaterials (sol-gel materials, glasses, ceramics, polymers, hydrogels, metal-organic frameworks, organic-inorganic hybrid materials, nanocomposites, combinations of synthetic materials and living cells and tissues, porous materials) as bulk and thin-films
- Molecular recognition techniques: biosensors
- Nanocapsules
- Nanocrystals and bio-crystallization processes
- Nanoparticles (fullerenes, carbon nanotubes, silica based nanoparticles...) as biomarkers and fluorescent tags for cell detection, imaging and drug delivery systems
- Nanostructured materials: micro- and nanofluidics
- Photo-induced species and structure conformations of biomolecules in biomaterials
- Self-assembly of biological molecules
- Theranostics and diagnostics tools: emerging techniques involved in bio-detection and analysis of individual biological molecules (imaging, spectroscopy, microscopy...)

We are also interested in: 1) Short-Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Notes for Intending Authors

Your paper should not have been previously published or be currently under consideration for publication any place else. Submit your paper electronically through the JBNB online system. All papers are subject to peer review. After your paper has been accepted, you must sign a copyright transfer agreement with JBNB. Papers accepted for publication will be available free online. A fee will be charged to cover the publication cost. Manuscripts must be written in English.

Website and E-Mail

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

E-mail: jbnb@scirp.org