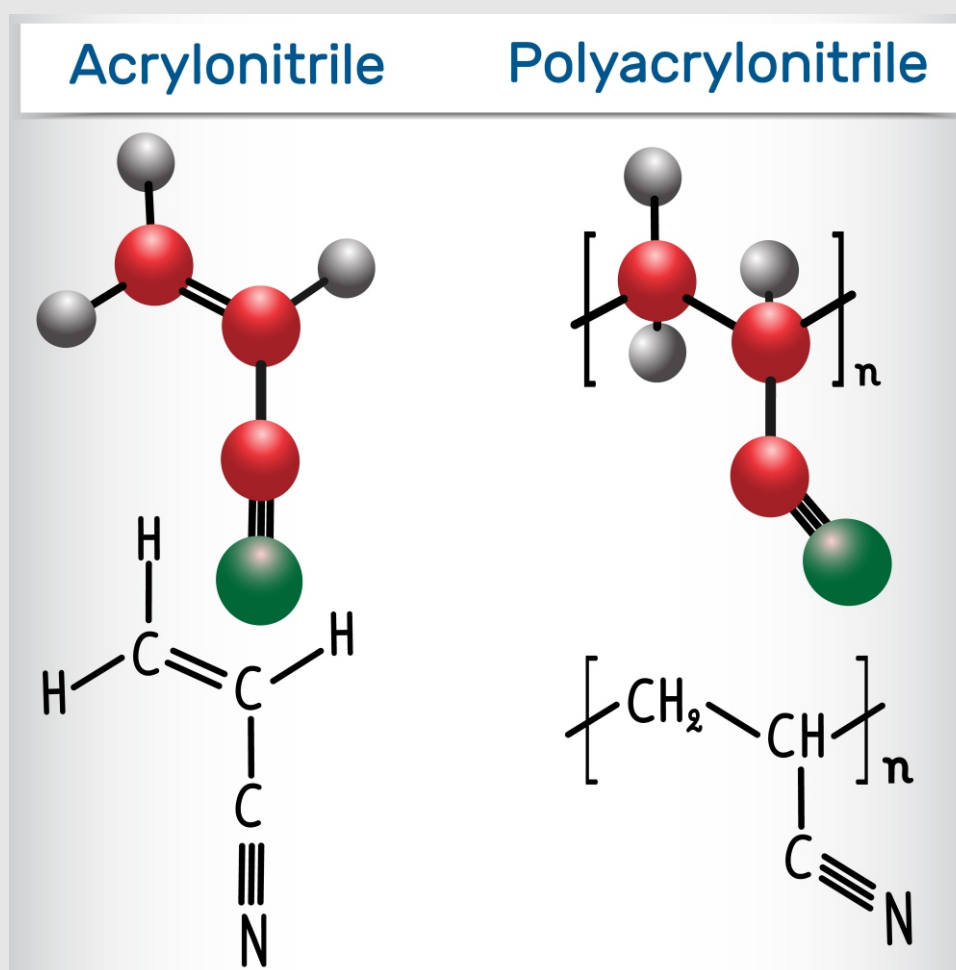


Open Journal of Polymer Chemistry



ISSN: 2165-6681



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

Journal Editorial Board

ISSN 2165-6681 (Print) ISSN 2165-6711 (Online)

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

Editors-in-Chief

Prof. Emilio Bucio

National University of Mexico, Mexico

Prof. Arno Seeboth

Fraunhofer Institute for Applied Polymer Research, Germany

Editorial Board

Dr. Durairaj Baskaran

University of Tennessee, USA

Prof. Jeanette M. Cardamone

Eastern Regional Research Center, USA

Dr. Zhengdong Cheng

Texas A&M University, USA

Prof. Ranganathaiah Chikkakuntappa

University of Mysore, India

Prof. Yakai Feng

Tianjin University, China

Prof. Chang-Sik Ha

Pusan National University, South Korea

Prof. Athir M. Haddad

University of Basrah, Iraq

Prof. Beom Soo Kim

Chungbuk National University, South Korea

Prof. Sang Hak Lee

Kyungpook National University, South Korea

Prof. Junqiu Liu

Jilin University, China

Prof. Tarek M. Madkour

The American University in Cairo, Egypt

Prof. Rinaldo Marguerite

Joseph Fourier University, France

Dr. Mane Rahul Maruti

Shivaji University, India

Prof. Placido Mineo

University of Catania, Italy

Prof. Ajay Kumar Mishra

University of South Africa, South Africa

Prof. Anjanapura Venktaramanaiah Raghu

Jain Deemed-to-be University, India

Dr. Michael R. Roner

University of Texas at Arlington, USA

Prof. Kestur Gundappa Satyanrayana

B.M.S. College of Engineering, India

Prof. De-Yi Wang

Leibniz Institute of Polymer Research, Germany

Table of Contents

Volume 15 Number 1

February 2025

**Computational Screening of Thermoplastic Starch-Based
Biopolymers Blends for Mixing Compatibility**

K. C. Katasohire..... 1

Open Journal of Polymer Chemistry (OJPChem)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Polymer Chemistry* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 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.

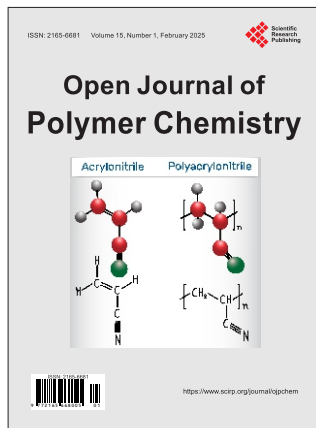
Disclaimer of liability

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: ojpchem@scirp.org



Open Journal of Polymer Chemistry (OJPChem)

ISSN 2165-6681 (Print) ISSN 2165-6711 (Online)

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

Open Journal of Polymer Chemistry (OJPChem) is an international peer-reviewed, open-access journal dedicated to the latest advancements in polymer chemistry. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and perspectives in polymer chemistry and related disciplines.

Editors-in-Chief

Prof. Emilio Bucio
Prof. Arno Seeboth

National University of Mexico, Mexico
Fraunhofer Institute for Applied Polymer Research, Germany

Editorial Board

Dr. Durairaj Baskaran
Prof. Jeanette M. Cardamone
Dr. Zhengdong Cheng
Prof. Ranganathaiah Chikkakuntappa
Prof. Yakai Feng
Prof. Chang-Sik Ha
Prof. Athir M. Haddad
Prof. Beom Soo Kim
Prof. Sang Hak Lee
Prof. Junqiu Liu

Prof. Tarek M. Madkour
Prof. Rinaudo Marguerite
Dr. Mane Rahul Maruti
Prof. Placido Mineo
Prof. Ajay Kumar Mishra
Prof. Anjanapura Venktaramanaiah Raghu
Dr. Michael R. Roner
Prof. Kestur Gundappa Satyanarayana
Prof. De-Yi Wang

Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Application of Polymers and Water Research and Membrane
- Behavior and Propriety of Polymers in Solid-State, Melt-State or Solution
- Biopolymers
- Characteristics and Properties of Polymer/Inorganic Hybrid Systems
- Chemical Modifications of Natural and Synthetic Polymers for New End-Use Applications
- Functional and Advanced Polymers
- New Architectural Polymers
- Polymer Characterization
- Polymer Physical Chemistry
- Polymerization Kinetics and Mechanisms
- Synthesis and Properties of Macromolecules
- Synthesis-Structure Relationships
- Synthetic Polymers

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

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 submission, please access the website.

Website and E-Mail

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

E-mail: ojpchem@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Website: <https://www.scirp.org>
Subscription: sub@scirp.org
Advertisement: service@scirp.org