

ISSN: 2161-4687 Volume 13, Number 2, June 2023



International Journal of Organic Chemistry



ISSN: 2161-4687



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

Journal Editorial Board

ISSN Print: 2161-4687 ISSN Online: 2161-4695

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

Editor-in-Chief

Dr. Bouzid Menaâ

Fluorotronics Inc., USA

Editorial Board

Dr. Jacques Andrieu

Universite de Bourgogne, France

Dr. Daniel J. Canney

Temple University, USA

Prof. Devdutt Chaturvedi

Amity University Uttar Pradesh, India

Prof. Won-Jea Cho

Chonnam National University, South Korea

Dr. Jean-Christophe Cintrat

Laboratoire de Chimie Combinatoire et de Criblages à Haut Débit, France

Prof. Maria do Ceu Goncalves da Costa

National Laboratory of Energy and Geology, Portugal

Prof. Richard Daniellou

University of Orleans, France

Prof. Mircea Darabantu

University Babes-Bolyai Cluj-Napoca, Romania

Prof. Valerian Dragutan

Romanian Academy of Sciences, Romania

Prof. Samir Kamel Elyzayati

National Research Center (NRC), Egypt

Prof. Ibrahim Fathy Nassar

Ain Shams University, Egypt

Prof. Robeto Fernandez-Lafuente

ICP, Consejo Superior de Investigaciones Científicas, Spain

Dr. Marta Feroci

Sapienza Università di Roma, Italy

Dr. Giuseppe Gattuso

University of Messina, Italy

Dr. Giuliano Giambastiani

Italian National Research Council (CNR), Italy

Prof. Hyun-Joon Ha

Hankuk University of Foreign Studies, South Korea

Dr. Todd A. Houston

Griffith University, Australia

Prof. Hsu-Shan Huang

National Defense Medical Center (NDMC), Chinese Taipei

Prof. David Allen Hunt

College of New Jersey, USA

Prof. Jalal Isaad

Mohamed the First University, Morocco

Prof. Madeleine M. Joullié

University of Pennsylvania, USA

Prof. Samad Khaksar

University of Georgia(Tbilisi), Georgia

Prof. Teruyuki Kondo

Kyoto University, Japan

Dr. Vanya Bogdanova Kurteva

Bulgarian Academy of Sciences, Bulgaria

Prof. Gilles Lemercier

Université de Reims Champagne-Ardenne, France

Dr. Chen Liao

Oak Ridge National Laboratory, USA

Prof. Emanuela Licandro

Università degli Studi di Milano, Italy

Prof. Yonghong Liu

Chinese Academy of Sciences, China

Prof. Joseph S. Merola

Virginia Polytechnic Institute and State University, USA

Prof. Martin Pomerantz

The University of Texas at Arlington, USA

Prof. Olivier Renaudet

University of Grenoble, France

Prof. Sylvain Routier

University of Orléans, France

Prof. Orazio Tagliatalata Scafati

University of Naples Federico II, Italy

Prof. Branco Stanovnik

University of Ljubljana, Slovenia

Prof. Xue-Long Sun

Cleveland State University, USA

Prof. Thies Thiemann

United Arab Emirates University, UAE

Dr. Matteo Tonezzer

Italian National Research Council, Italy

Prof. Ramon Rios Torres

University of Southampton, UK

Prof. Didier Villemin

Laboratoire de Chimie Moléculaire et Thioorganique (LCMT), France

Dr. Yanming Wang

Case Western Reserve University, USA

Prof. Piotr Pawel Wieczorek

Opole University, Poland

Prof. Noriyuki Yonezawa

Tokyo University of Agriculture and Technology, Japan

Table of Contents

Volume 13 Number 2

June 2023

Copper-Catalyzed C-C(O)C Bond Cleavage of Monoalkylated β -Diketone: Synthesis of α,β -Unsaturated Ketones

T. W. Pouambeka, V. N'goka, N. N. Obaya, G. C. Enoua, H. Makomo, Q. Zhan.....41

Chemotaxonomic Study of the Covid-Organics of Madagascar Based on the Chemical Composition of Their Essential Oils

Y. Tine, A. Diédhiou, A. Diallo, I. Ndoye, M. Baldé, C. Gaye, B. Ndiaye, A. Wélé, D. Fall.....50

Hirshfeld Surface Analysis for Investigation of Intermolecular Interaction of Molecular Crystals

S. Suda, A. Tateno, D. Nakane, T. Akitsu.....57

International Journal of Organic Chemistry (IJOC)

Journal Information

SUBSCRIPTIONS

The *International Journal of Organic 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 © 2023 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 © 2023 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.

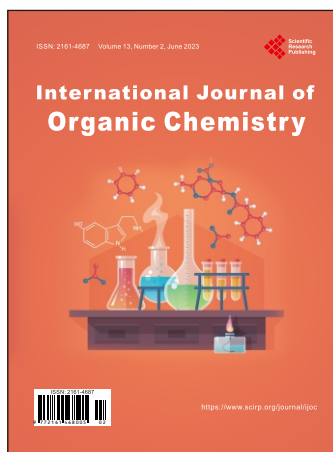
Disclaimer of liability

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: ijoc@scirp.org



International Journal of Organic Chemistry (IJOc)

ISSN 2161-4687 (Print) ISSN 2161-4695 (Online)

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

International Journal of Organic Chemistry (IJOc) is an international, specialized, English-language journal devoted to publication of original contributions concerning all fields of organic chemistry. It is an open-access, peer-reviewed journal describing the synthetic approach and the design of new molecules for applications in medicinal chemistry, but also for the synthesis of precursors for new materials (solid or liquid) that have an interest in materials sciences and nanotechnology, homogeneous and heterogeneous catalysis.

Editor-in-Chief

Dr. Bouzid Menaâ

Fluorotronics Inc., USA

Editorial Board

Dr. Jacques Andrieu
Dr. Daniel J. Canney
Prof. Devdutt Chaturvedi
Prof. Won-Jea Cho
Dr. Jean-Christophe Cintrat
Prof. Maria do Ceu Goncalves da Costa
Prof. Richard Daniellou
Prof. Mircea Darabantu
Prof. Valerian Dragutan
Prof. Samir Kamel Elyzayati
Prof. Ibrahim Fathy Nassar
Prof. Roberto Fernandez-Lafuente
Dr. Marta Feroci
Dr. Giuseppe Gattuso

Dr. Giuliano Giambastiani
Prof. Hyun-Joon Ha
Dr. Todd A. Houston
Prof. Hsu-Shan Huang
Prof. David Allen Hunt
Prof. Jalal Isaad
Prof. Madeleine M. Joullié
Prof. Samad Khaksar
Prof. Teruyuki Kondo
Dr. Vanya Bogdanova Kurteva
Prof. Gilles Lemercier
Dr. Chen Liao
Prof. Emanuela Licandro
Prof. Yonghong Liu

Prof. Joseph S. Merola
Prof. Martin Pomerantz
Prof. Olivier Renaudet
Prof. Sylvain Routier
Prof. Orazio Tagliatela Scafati
Prof. Branco Stanovnik
Prof. Xue-Long Sun
Prof. Thies Thiemann
Dr. Matteo Tonezzer
Prof. Ramon Rios Torres
Prof. Didier Villemin
Dr. Yanming Wang
Prof. Piotr Pawel Wieczorek
Prof. Noriyuki Yonezawa

Subject Coverage

Contributions that concerns with analytical characterization, advanced techniques and the studies of properties for new synthesized molecules will also be highlighted. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Fluorescent Molecules and Dyes
- Functional Groups in Compounds
- Organic Analysis
- Organic Chemistry Reaction
- Organic Compounds
- Organic Reaction Mechanism
- Organic Spectrum
- Organic Synthesis
- Organo-Metallics
- Polymers
- Stereochemistry
- Surfactants among Others
- Synthesis of Reagents

The journal publishes the highest quality original full articles, communications, notes, reviews, special issues and books, covering both the experimental and theoretical aspects of organic chemistry.

Notes for Intending Authors

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. It will be available through <https://www.scirp.org/journal/ijoc/>.

Website and E-Mail

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

E-mail: ijoc@scirp.org