

International Journal of Medical Physics, Clinical Engineering and Radiation Oncology



Journal Editorial Board

ISSN 2168-5436 (Print) ISSN 2168-5444 (Online)

https://www.scirp.org/journal/ijmpcero

Editors-in-Chief

Prof. Huan Bosco Giap University of Miami Sylvester Comprehensive Cancer Center, USA

Prof. Ning Jeff Yue Rutgers Cancer Institute of New Jersey, USA

Associate Editors-in-Chief

Prof. Xiao-Feng Li Shenzhen People's Hospital, China

Dr. Chengyu ShiThe City of Hope Orange County, USA

Editorial Board

Prof. Oleg V. Angelsky Institute of Physical, Technical and Computer Science, Ukraine

Prof. Wolfgang Werner Birkfellner Medical University Vienna, Austria

Prof. Zhen Cheng Stanford University, USA

Prof. Indra J. Das Indiana University School of Medicine, USA

Prof. Song Gao University of Texas, USA

Prof. Mostafa HeydarianUniversity of Toronto, CanadaProf. Seigo KinuyaKanazawa University, JapanDr. Wolfram LaubOregon State University, USA

Prof. Percy Lee University of California at Los Angeles, USA

Dr. Jinluan Li Fujian Provincial Cancer Hospital, China

Prof. Lanchun Lu The Ohio State University, USA

Prof. Panayiotis Mavroidis Karolinska Institutet and Stockholm University, Sweden

Prof. Yulin Song Memorial Sloan-Kettering Cancer Center, USA

Dr. Kelin Wang Pennsylvania State University, USA

Prof. Bixiu WenSun Yat-sen University, ChinaProf. Lei XingStanford University, USA

Prof. Habib Zaidi Geneva University Hospital, Switzerland

Dr. Mutian Zhang

Summa Health Cancer Institute, Akron, OH, USA

Dr. Oinghui Zhang

University of Nebraska Medical Center, USA

Dr. Li Zuo Ohio State University Wexner Medical Center and College of Medicine, USA



ISSN Online: 2168-5444 ISSN Print: 2168-5436

Table of Contents

volume 12	Number 3	August 2023
Radioprotective I Hepatoxicity in V	Potencies of Allium Cepa Extract (ACE) Vistar Rats) against Radiation-Induced
S. K. Kenneth, O.	F. Nneka, A. K. Kalu, A. O. Joseph	59
	tion with a High Resolution 2D Diode A in Robotic Radiosurgery	Array for Variable-Aperture
X. F. Zhu, W. Nie	, J. D. George, Q. Y. Xu, D. D. Zheng, J. J. Fan	184

International Journal of Medical Physics, Clinical Engineering and Radiation Oncology (IJMPCERO)

Journal Information

SUBSCRIPTIONS

The *International Journal of Medical Physics*, *Clinical Engineering and Radiation Oncology* (Online at Scientific Research Publishing, https://www.scirp.org/) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 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: ijmpcero@scirp.org



International Journal of Medical Physics, Clinical Engineering and Radiation Oncology

ISSN 2168-5436 (Print) ISSN 2168-5444 (Online)

https://www.scirp.org/journal/ijmpcero

International Journal of Medical Physics, Clinical Engineering and Radiation Oncology publishes original research and clinical articles relevant to medical physics, clinical/biomedical engineering and radiation oncology. It provides an international forum for research, reviews, education and training on the following topics:

- Biomedical optics
- Clinical trials, outcomes research
- Diagnostic physics and its applications
- Education and training in medical physics, clinical/biomedical engineering, and radiation oncology
- Genetics and tissue engineering
- Hadron-therapy
- Measuring systems, digital signal processing, and medical instrumentation
- Medical imaging
- Molecular imaging
- New technologies development and applications
- Nuclear medicine
- Professional issues in medical physics, clinical/biomedical engineering, and radiation oncology
- Radiation detection, protection, shielding, and radiation response
- Radiation dosimetry and metrology
- Radiation oncology
- Radiobiology
- Radiotherapy physics and its applications
- Therapies (non-ionising radiation)

Publications may be in the form of a (1) Review Article, (2) Research Article, (3) Short Report, (4) A Rapid Communication, (5) Technical Note, (6) Correspondence, (7) Editorial, (8) Special Report, (9) Clinical Trials or (10) Advertisements.

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 submissions, please access the website.

Website and E-Mail

https://www.scirp.org/journal/ijmpcero E-mail: ijmpcero@scirp.org