

Special Issue

Harnessing Photobiomodulation Light for Therapeutic or Prevention of Human Diseases

Message from the Guest Editor

The human antioxidant system works as a complex unit to regulate reactive oxygen species (ROS). Cellular antioxidant defenses usually maintain ROS/reactive nitrogen species (RNS) at a concentration level that prevents an excess oxidation of cellular molecules. Mitochondrial dysfunction can result in a reduction in the synthesis of high-energy molecules such as adenosine triphosphate (ATP). Given the fundamental role of the mitochondrial organelle, organs and tissues require effective antioxidant therapy to illuminate the mitochondria, augment ATP production, and regulate ROS and nitric oxide to restore mitochondrial function. This is crucial in the management of several diseases. In this context, photobiomodulation (PBM) therapy has emerged as a non-invasive treatment modality in the management of pain, accelerating tissue repair and regeneration, due to its significant biomodulatory and anti-inflammatory effects. The aim of this *Special Issue* is to underline the advances of PBM in the management of diseases. Both original research and review papers are welcomed.

Guest Editor

Prof. Dr. Reem Hanna

1. Department of Restorative Dental Sciences, UCL-Eastman Dental Institute, Medical Faculty, London WC1E 6DE, UK
2. Department of Surgical Sciences and Integrated Diagnostics, Laser Centre Therapy, University of Genoa, 16132 Genoa, Italy

Deadline for manuscript submissions

closed (28 February 2026)



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/207160

Journal of Clinical Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcm@mdpi.com

mdpi.com/journal/

jcm





Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/journal/

[jcm](https://mdpi.com/journal/jcm)



About the Journal

Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

Editors-in-Chief

Prof. Dr. Emmanuel Andrès

Internal Medicine Department, University Hospital Strasbourg, 67081
Strasbourg, France

Prof. Dr. Kent Doi

Department of Emergency and Critical Care Medicine, The University of
Tokyo, Tokyo, Japan

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).