

Special Issue

Insights into the Pharmacology, Toxicology, and Clinical Applications of Hallucinogens

Message from the Guest Editors

This Special Issue aims to cover, in a broad spectrum, the physicochemical characteristics, structure versus activity relationship, pharmacokinetics, pharmacodynamics, pharmacogenetics, psychological and physiological effects, and toxicity of hallucinogens to provide comprehensive and systematic knowledge on their biological risks and potential medicinal benefits. Special emphasis will be put on the toxicological perils associated with drug–drug pharmacokinetic interactions. Furthermore, the impact of interindividual pharmacogenetic variability on toxicity and therapeutic efficacy of hallucinogens, especially concerning polymorphisms in gene-encoding enzymes involved in metabolism (e.g., CYP450 isoforms) and/or in target receptors will be thoroughly scrutinized. The identification of additional metabolites, which may be pharmacologically/toxicologically active and responsible for enhanced therapeutic properties or toxicity, will be also highlighted, these being of further relevance as alternative biomarkers for drug exposure confirmation and treatment monitoring.

Guest Editors

Prof. Dr. Ricardo Jorge Dinis-Oliveira

1. Associate Laboratory i4HB—Institute for Health and Bioeconomy, University Institute of Health Sciences—IUCS-CESPU, 4585-116 Gandra, Portugal
2. UCIBIO—Research Unit on Applied Molecular Biosciences, Translational Toxicology Research Laboratory, University Institute of Health Sciences (IH-TOXRUN, IUCS-CESPU), 4585-116 Gandra, Portugal
3. Department of Public Health and Forensic Sciences and Medical Education, Faculty of Medicine, University of Porto, 4200-319 Porto, Portugal
4. FOREN—Forensic Science Experts, Dr. Mário Moutinho Avenue, No. 33-A, 1400-136 Lisbon, Portugal

Prof. Dr. Diana Dias da Silva

1. IINFACS - Institute of Research and Advanced Training in Health Sciences and Technologies, Department of Sciences, University Institute of Health Sciences (IUCS), CESPU, CRL, Gandra, Portugal
2. UCIBIO-REQUIMTE, Laboratory of Toxicology, Department of Biological Sciences, Faculty of Pharmacy, University of Porto, Porto, Portugal

Deadline for manuscript submissions



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/66883

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





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 Andr  s

Internal Medicine Department, University Hospital Strasbourg, 67000
Strasbourg, France

Prof. Dr. Kent Doi

Department of Acute Care Medicine, 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 17.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).