

**IMPACT FACTOR 1.12**



The journal cover features a central title 'Journal of Innovative Optical Health Sciences' in a serif font. It is surrounded by four circular images: a microscope lens, a red optical component, a glowing fiber optic network, and a close-up of a lens. The background is a light yellow gradient. At the bottom left, the editor-in-chief and associate editors are listed. The World Scientific logo is at the bottom center.

**Journal of Innovative Optical Health Sciences**

Editor-in-Chief  
**Qingming Luo**  
Huazhong University of Science and Technology, China

Associate Editors-in-Chief  
**Colin Sheppard**  
Italian Institute of Technology, Italy

**Valery V Tuchin**  
Research-Educational Institute of Optics & Biophotonics,  
Saratov State University, Russia

 World Scientific

We are pleased to announce that JIOHS becomes a fully **Open Access** journal with effect from 1 January 2013. Furthermore, we also offer **complimentary free access** to all published content of JIOHS before 2013.

**\* Register a free account / log in to [worldscientific.com](http://worldscientific.com) to get FREE access.**

## About the Journal

JIOHS serves as an international forum for the publication of the latest developments in all areas of photonics in biology and medicine. JIOHS will consider for publication original papers in all disciplines of photonics in biology and medicine, including but not limited to:

- Photonic therapeutics and diagnostics
- Optical clinical technologies and systems
- Tissue optics
- Laser-tissue interaction and tissue engineering
- Biomedical spectroscopy
- Advanced microscopy and imaging
- Nanobiophotonics and optical molecular imaging
- Multimodal and hybrid biomedical imaging
- Micro/nanofabrication
- Medical microsystems
- Optical coherence tomography
- Photodynamic therapy

## Journal of Innovative Optical Health Sciences

**OPEN ACCESS JOURNAL** 

**Abstracted & Indexed in**

- Science Citation Index Expanded
- Chemical Abstracts Service
- Engineering Index Compendex
- Scopus

### Editor-in-Chief

**Qingming Luo**

*(Britton Chance Center for Biomedical Photonics, Wuhan National Lab for Optoelectronics, Huazhong University of Science and Technology, China)*

### Associate Editors-in-Chief

**Colin Sheppard**

*(Italian Institute of Technology, Italy)*

**Valery V Tuchin**

*(Research-Educational Institute of Optics & Biophotonics, Saratov State University, Russia)*

### Assistant Editor

**Ling Fu**

*(Britton Chance Center for Biomedical Photonics, Wuhan National Lab for Optoelectronics, Huazhong University of Science and Technology, China)*

JIOHS provides a vehicle to help professionals, graduates, engineers, academics and researchers working in the field of intelligent photonics in biology and medicine to disseminate information on the state-of-the-art technique.

The publication months of scheduled issues are as follows: January, March, May, July, September, November. Articles will continue to be published online first in the "Online Ready" section before the whole issue is available.

**View more at,**  
[www.worldscientific.com/JIOHS](http://www.worldscientific.com/JIOHS)



# Special Issue on Photoacoustic and Microwave-Thermoacoustic Imaging

## Editorial

Da Xing, Sihua Yang

DOI: 10.1142/S1793545817020011

## Low-Cost Photoacoustic Imaging Systems Based on Laser Diode and Light-Emitting Diode Excitation

Qingkai Yao, Yu Ding, Guodong Liu, Lvming Zeng

DOI: 10.1142/S1793545817300038

## Photoacoustic Molecular Imaging with Functional Nanoparticles

Liming Liu, Huan Qin

DOI: 10.1142/S179354581730004X

## Photoacoustic Viscoelasticity Imaging Dedicated to Mechanical Characterization of Biological Tissues

Yujiao Shi, Fen Yang, Qian Wang

DOI: 10.1142/S1793545817300051

## All-Optically Integrated Photoacoustic and Optical Coherence Tomography: A Review

Wei Qiao, Zhongjiang Chen

DOI: 10.1142/S1793545817300063

## A Review of Microwave-Induced Thermoacoustic Imaging: Excitation Source, Data Acquisition System and Biomedical Applications

Yongsheng Cui, Chang Yuan, Zhong Ji

DOI: 10.1142/S1793545817300075

## Photoacoustic Imaging of Prostate Cancer

Xuanjin Yang, Liangzhong Xiang

DOI: 10.1142/S1793545817300087

## Research Articles

### Thermoacoustic Tomography of *In Vivo* Rat Brain

Yuan Zhao, Zihui Chi, Lin Huang, Zhu Zheng, Jinge Yang, Huabei Jiang

DOI: 10.1142/S1793545817400016

### Optical Fluence Compensation for Handheld Photoacoustic Probe: An *In Vivo* Human Study Case

Lingyi Zhao, Meng Yang, Yuxin Jiang, Changhui Li

DOI: 10.1142/S1793545817400028



For special order of print issues, please contact:  
[sales@wspc.com](mailto:sales@wspc.com)

Print ISSN: 1793-5458

Online ISSN: 1793-7205

Vol. 11 • 6 Issues • 2018