# Special Issue

# Luminescent Complexes in Bioimaging, Biosensing and Biomedicine Applications

## Message from the Guest Editor

In the past decade, phosphorescent metal complexes have attracted growing attention as a highly promising class of emitters for bioimaging, biosensing, medical diagnostics and therapy, or in combination as theranostics. Compared to traditional fluorescent organic chromophores, these compounds display a large Stokes shift and long excited state lifetimes that enable cutting off the autofluorescence of endogenous fluorophores, obtaining high spatio-temporal resolution in microscopic imaging, and substantially increasing sensors' sensitivity to external stimuli. Simultaneously, the development of time-resolved techniques such as phosphorescence lifetime imaging (PLIM) substantially improves detection sensitivity and accuracy, thus making biomedical experiments more convenient and providing valuable information on the physiological status of the objects under study. This Special Issue will cover recent advances in the design, preparation, and application of luminescent metal complexes in biology and experimental medicine. Manuscripts related to the development of advanced imaging techniques using metal complexes also fit the topic well.

## Guest Editor

Prof. Dr. Sergey P. Tunik
Institute of Chemistry, Saint-Petersburg State University, Universitetskii pr. 26, 198504 St. Petersburg, Russia

## Deadline for manuscript submissions

closed (31 March 2024)

**Biosensors**

**an Open Access Journal by MDPI**

**Impact Factor 5.6**
**CiteScore 9.8**
**Indexed in PubMed**

mdpi.com/si/173792

*Biosensors*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

mdpi.com/journal/biosensors

# Biosensors

an Open Access Journal by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed

mdpi.com/journal/biosensors

# About the Journal

## Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

## Editor-in-Chief

Prof. Dr. Giovanna Marrazza
Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

## Author Benefits

**High Visibility:**

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

**Journal Rank:**

JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

**Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.8 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

MDPI