

Special Issue

Fluorescent Materials with Excellent Biocompatibility and Their Application in Bio-Sensing, Bio-Imaging

Message from the Guest Editors

Fluorescent material is an extensively studied issue in the bio-field because it is easy to functionalize and tune fluorescence color. To advance the use of fluorescent materials in the bio-field, the development of biocompatible fluorescent materials (BFM) has become increasingly relevant. The intention of this research topic is to describe the biocompatible fluorescent materials (BFM), the recent breakthroughs in this field, and their application in the bio-field. Our attention will be focused on: (i) the preparation of biocompatible fluorescent materials (BFM), including material synthesis and purification and photo physical chemical properties; (ii) the fabrication of novel fluorescent detection devices for bio-objects; and (iii) applications in bio-field, bio-sensing, bio-tracing, bio-imaging and diseases diagnosis and therapy, etc. We hope that this research topic will attract the attention of academic and industrial researchers who are interested in the development of biocompatible fluorescent materials (BFM) and their biological applications.

Guest Editors

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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.

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