

Special Issue on
Fluorescence Analysis: From Sensing to Imaging

CALL FOR PAPERS

Fluorescence sensing and imaging combined with fluorescence microscopy technology has revolutionized human ability to study and visualize complex life phenomena at the molecular level to understand the cellular events with least ambiguity. Being a simple, fast, direct detection system with real-time monitoring capability, fluorescence sensing is highly demanding for *in vitro* as well as *in vivo* analysis in the recent time. The promising features of fluorescence analysis in turn have inspired a quest for novel fluorophores as well as fluorescence probes/sensors with various applications in imaging.

The aim of this special issue is to create a platform for introducing the recent advances in the field of fluorescence based analysis. This special issue will cover the broad area of fluorescence analysis starting from the development of fluorescent materials to the applications for fluorescence sensing and imaging and thus invites a reasonable number of submissions from the various research areas in chemistry, biology, materials, polymers, and so on. The high quality research articles containing original research results and review articles describing outstanding features are encouraged for submission to this special issue which will share the current state of the art of this fundamental area among the readers of this journal.

Potential topics include but are not limited to the following:

- ▶ Development of novel fluorophores/fluorescent materials
- ▶ Development of fluorescence probes/sensors
- ▶ One photon/multiphoton excitation based fluorescence analysis
- ▶ Fluorescence detection and sensing
- ▶ Fluorescence based assays (immunoassays, DNA/RNA/aptamer-based assays, etc.)
- ▶ Fluorescence imaging of cells/tissues/animals

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jamc/fafs/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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Submission Deadline

Friday, 23 March 2018

Publication Date

August 2018