International Journal of Analytical Chemistry

Hindawi

Special Issue on

Analytical Toolkit: Fluorescent Chemosensor

CALL FOR PAPERS

Last few decades have witnessed the detection of analytes by several spectroscopic techniques. Fluorescence spectroscopic technique has monumental contribution for detection of analytes in both aqueous and nonaqueous media as compared to the other spectroscopic techniques. We believe that there is still ample scope to unlock the easy and rapid detection of analytes using this technique. The adverse effect of analyte on human health as well as the environment makes it highly desirable to find new sensitive and specific techniques. Recently, chemosensors have been also used in cell imaging study. To study the intracellular changes, it is essential to develop different kinds of fluorescent sensors which will be easy to prepare, scalable, and cost-effective.

This issue will cover the first-rate topic such as simple and facile sensor design strategies, detection methods and levels, sensing mechanism, and important biological issues.

We invite the potential researchers to contribute their cutting-edge original experimental and theoretical research articles as well as review articles on analyte detection by various kinds of chemosensors. We envision that our special issue will be of great importance to the researchers working in analytical, biological, and environmental field. This special issue will provide a cabinet of brand new chemosensors with inexpensive and even point-of-use systems.

Potential topics include but are not limited to the following:

- Detection of molecules, metal ions, and anions
- Chemosensor based on Schiff base
- Spectroscopic study of heterocycle based polydentate ligand complex and its single crystal
- Investigation of different kinds of fluorescent mechanism
- Water soluble fluorescent chemosensors
- Molecular logic gate for sensing
- Chemosensor application in cell imaging study

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/ijac/atfc/.

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Manuscript Due
Friday, 14 July 2017

First Round of Reviews
Friday, 6 October 2017

Publication Date
Friday, 1 December 2017