

SENSOR LETTERS

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A Special Issue on

Magnetic biosensors

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Magnetic sensors have been widely used in many areas that include data storage industry, health care, non-destructive evaluations, geomagnetic and space explorations. The magnetic biosensors involving GMR biosensor, Hall biosensor, GMI biosensor and fluxgate biosensor are always the hot research topics in recent years. Generally speaking, detection of the biotargets is realized through detecting the magnetic fields of the biotargets' magnetic labels or the self-produced magnetic field of the biotargets.

In this special issue, I will gather some researches about the biomedical applications of magnetic sensors including the detection of the cells, bacterium and biomolecules, and the detection of the biomagnetic fields. Suitable themes for the special edition include, but are not limited to, the following:

1. Materials for fabrication of biosensors
2. Physical and chemical methods in biosensing
3. Mechanism of the biosensor
4. Nanomaterials for biosensors
5. Micro-and nanofabrication method of the magnetic biosensors
6. Biosensing applications

ABOUT SENSOR LETTERS

“*Sensor letters*” is an international peer reviewed journal published by American scientific publishers for the enhancement of research in sensor science disciplines of Engineering and Technology.

MANUSCRIPT SUBMISSION

All manuscripts must be 100% original and unpublished which should be prepared according to the Journal’s guidelines, available at <http://www.aspbs.com/sensorlett.html>. Submit your manuscript as a single file either in MS word or PDF format by EMAIL to one of the guest editors. All papers submitted to this special issue will be subject to a strict peer review to ensure the high quality of the articles. Please make sure in the cover letter that the submitted manuscript of your paper has not been published previously and is not currently submitted for review to

any other journals/conference proceedings and will not be submitted elsewhere before a decision is made by this journal.

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