



sensors



an Open Access Journal by MDPI

Biosensors Based on Recombinant Antibodies—in Memory of Professor Hiroshi Ueda

Guest Editors:

Dr. Peter Kristensen

Department of Chemistry and
Bioscience, Aalborg University,
Aalborg, Denmark

Prof. Dr. Jinhua Dong

1. School of Rehabilitation
Sciences and Engineering,
University of Health and
Rehabilitation Sciences,
Qingdao, China
2. Institute of Innovative
Research, Tokyo Institute of
Technology, Yokohama, Japan

Deadline for manuscript
submissions:

20 May 2024

Message from the Guest Editors

Dear Colleagues,

Immunosensors are a kind of biosensor that is based on the specific recognition function of antigens and antibodies. Due to the advantages of high sensitivity, high specificity, simple use and low cost, immunosensor technology has been applied in a wide range of fields such as clinical medicine and biological monitoring technology, food industry, environmental monitoring and processing. With the development of molecular biology, the preparation of antibody fragments has become easier, and the immunodetection technology based on recombinant antibody fragments has also rapidly developed. Professor Hiroshi Ueda of the Tokyo Institute of Technology in Japan has experienced many great achievements in the research of biosensors based on antibody fragments. The Open Sandwich Immunoassay and Quenchbody technology invented by Professor Ueda have greatly contributed to the field. To commemorate the outstanding contributions of Professor Ueda, this Special Issue will mainly collect papers on detection technology based on antibody fragments to promote innovation and development in this field.

You may choose our [Joint Special Issue](#) in *Methods and Protocols*.



mdpi.com/si/168894

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)