

Editorial

Donald Y. C. Lie

Department of Electrical and Computer Engineering, Texas Tech University, Lubbock, USA
Email: donald.Lie@ttu.edu

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Biosensors and related technologies represent a highly multi-disciplinary and rapidly evolving research field, which involve the traditionally more “fundamental sciences” of chemistry, biology and physics, together with the more “applied sciences” such as engineering and computer sciences. In addition, the applied biosensor research may also require the knowledge of psychology, allied health sciences, and the medical sciences as well. Being a professor in the department of electrical and computer engineering and an adjunct professor in the department of surgery, I have been conducting research in this diverse field of applied biosensors and have been constantly advising students (one even had his M.D.) and interacting with colleagues of various backgrounds, which makes the research very exciting and yet challenging. One difficulty that I often face in my research is this: How can I make sure my research is truly relevant in this highly diversified field?

About a year ago, I was asked to join the Editorial Board of the Open Journal of Applied Biosensor (OJAB), published by Scientific Research Publishing (SCIRP www.scirp.org). I was informed that the goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in subjects related to applied biosensors. The OJAB covers at least the five existing regular topics below: 1) Theory and Numerical Methods; 2) Passive Components and Circuits; 3) Electron Devices and Device Modeling; 4) Hybrid and Monolithic RF Integrated Circuits, and 5) Measurement Techniques, System Modeling Techniques, and Applications. All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed in hard copy.

Open Journal of Applied Biosensor (OJAB) is an openly accessible journal published quarterly. OJAB has been indexed by several world class databases, for more information, please access the following links: Google Scholar <http://scholar.google.com/> (Last time I checked, there are already quite a few citations for articles pub-

lished in OJAB journal now based on the statistics from Google Scholar). The specific areas covered by OJAB include but are not limited to the following fields:

- Biological Materials
- Biosensor Applications
- Biosensor Fabrication
- Biosensor Interfaces and Membrane Technology
- Blood Glucose Biosensor
- DNA Chips
- Instrumentation, Signal Treatment and Uncertainty Estimation in Biosensors
- Lab-on-a-chip Technology in Biosensors
- Microfluidic Devices in Biosensors
- Nanobiosensors and Nanotechnology Used in Biosensors

We at OJAB are also interested in: 1) Short reports—2 - 5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Recently, after I had the honor of joining the editorial board, the OJAB office launched a “Special Topic” endeavor in addition to the existing regular five topics, which broadens its coverage of this multi-disciplinary and rapidly evolving research field of applied biosensors. I have served on the Editorial Boards of several other journals and have organized some “Special Topic” issues in journals other than OJAB before, which involved organizing the submission and rigorous peers-review of papers. Therefore, I think having the “Special Topic” issues can spearhead an important domain knowledge fundamental and key to the success of new design concepts and techniques for the state-of-the-art applied biosensors. My personal belief is that we should make a journal like OJAB more attractive, and I hope that our readers would have fun reading the journal and find these OJAB papers useful to your research.

DONALD Y. C. LIE, Ph.D.,
Editorial Board, OJAB, 2012-present