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Self-Powered Flexible Bio/Chemical Sensors and Electronic Skin

Guest Editors:

Prof. Dr. Xinyu Xue

School of Physics, University of
Electronic Science and
Technology of China, Chengdu
610056, China

Prof. Dr. Yan Zhang

School of Physics, University of
Electronic Science and
Technology of China, Chengdu
610056, China

Prof. Dr. Lili Xing

School of Physics, University of
Electronic Science and
Technology of China, Chengdu
611731, China

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Message from the Guest Editors

Dear Colleagues,

Flexible or wearable bio/chemical sensors that attach to body accessories or human skin have been given great attention because of the popularization of portable electronic consumers. The latest developments in materials science, mechanics technology, and electronics can help in establishing the various stretchable and flexible sensing devices (e.g., electronic skin) conforming to the complex, textured surface of the skin or clothing. At the same time, the rapid development of self-powered techniques has also brought enormous opportunities for the advancement of traditional sensing systems. The convergence of wearable electronics, miniaturized sensor technologies, and self-powered techniques provides novel opportunities to improve the quality of health/environmental analysis. This series of works will be very interesting and beneficial to the scientific community to develop the next generation of bio/chemical sensors and expand the scope of self-powered systems. The main topic is related but not limited to:

- Biosensors
- Chemical sensors
- Electronic skin
- Self-powered
- Flexible electronics
- Health analysis
- Environmental monitoring



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Special Issue



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Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry “Ugo Schiff”, University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

Message from the Editor-in-Chief

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Contact Us

Biosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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