

## Special Issue

# Advanced Medical Devices for Diabetes Management

### Message from the Guest Editor

Medical devices have made remarkable advances in recent years. Pedometers and accelerometers have been widely used for measuring physical activity in our daily lives. Body composition analysis, such as bioelectrical impedance analysis, has made it possible to assess skeletal muscle mass, fat mass, and visceral adipose tissue rapidly and accurately. In addition, continuous glucose monitoring systems and flash glucose monitoring systems can evaluate 24-h glucose profiles under free-living in patients with diabetes. Today, these medical devices are routinely used in clinical practice as well as in research. More recently, innovative technologies including smartphones and wearable devices are increasingly being applied to diabetes management and treatment processes. This Special Issue will compile case reports, original research articles, and critical reviews of the advanced devices for diabetes management and treatment. Research articles which investigate the role of advanced devices in the management of other diseases such as obesity and hypertension are also welcome.

### Guest Editor

Dr. Hidetaka Hamasaki

The 3rd floor of Mutsumi Building, 2-10-48 Kitasaiwai, Nishi-ku, Yokohama, Kanagawa 220-0004, Japan

### Deadline for manuscript submissions

closed (31 October 2021)



## Applied Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/65817](https://mdpi.com/si/65817)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls](https://appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )