

Special Issue on
**Use of CGM Devices and Mobile Applications for
Diabetes Management**

CALL FOR PAPERS

Diabetes mellitus has been a significant health care problem on the global scale. In the United States alone, diabetes affects 9.4% of the population and it is estimated that an additional 26% of the population may have prediabetes. Reducing these prevalence rates depends on self-management, in addition to clinical interventions. The recent availability of continuous glucose monitoring (CGM) devices, smartwatches and diabetes-management applications in smartphones, provides a means to self-regulate glucose levels by managing sleep and exercise regimens, make informed decisions regarding food intake, and compute optimal insulin dosing regimen. Although these mobile technologies can prove significant in combating diabetes, there exists a lack of clarity regarding their reliability and clinical usefulness.

In this special issue, we invite researchers to publish their research findings and review articles regarding their use of such technologies in providing care to patients with type 1 and type 2 forms of diabetes mellitus. The research findings may cover a broad range of topics including, but not limited to, impact of CGM devices on patient care, individual usage and adherence levels of prescribed glucose-management guidelines, use of these technologies by clinicians and care givers with a focus on benefits and limitations, applications providing information about food intake, nutrition and glucose metabolism, study-based suggestions regarding effective usage of a combination of these technologies for glucose regulation, and studies discussing device cost versus potential clinical benefits for glucose regulation.

Potential topics include but are not limited to the following:

- ▶ Role of CGM devices in patient care
- ▶ Device validation or revalidation and cost effectiveness, with an emphasis on clinical benefits
- ▶ Role of CGM devices and smartphone apps for nutrition intake, patient self-management, and information provided to care givers for all-round diabetes management
- ▶ Studies focused on potential gains and limitations of glucose regulation strategies
- ▶ Technologies for diabetes education and patient empowerment
- ▶ A comprehensive review of these technologies for diabetes management with an emphasis on clinical usefulness

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jdr/ucdd/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Srinivas Laxminarayan, Henry M. Jackson Foundation for Advancement of Military Medicine, Bethesda, USA
srinivas@bioanalysis.org

Guest Editors

Shivendra Tewari, Biotechnology High Performance Software Applications Institute, Frederick, USA
stewari@bhsai.org

Ranjan Pradhan, Biju Patnaik University of Technology, Bhubaneswar, India
rkpradhan@cet.edu.in

Antonio M. Millana, Polytechnic University of Valencia, Valencia, Spain
anmarmil@itaca.upv.es

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