

**Call for Papers for the Special Collection of
Health Informatics Journal on:**

“Wireless body area sensor networks and health wearables”

Lead Guest Editor: Jesus Hamilton Ortiz.

Guest Editors: Noushin Nasiri, Bazil Taha Ahmed, Álvaro Pachón, Lei Li.

“Wearable’s Technology” is a blanket term for electronics that can be worn on the body, either as an accessory or as part of material used in clothing. One of the major features of wearable’s technology is its ability to connect to the internet, enabling data to be exchanged between a network and the device. This ability to both, sending and receiving data, has pushed wearable technology to the forefront of the Internet of Things; the new Wearable is enabling the next w, eHealth, healthcare sensor, wearable’s health, and wearable’s systems. The new materials such as conductors, polymers embroidered circuits, smart material, textile area, antennas, sensors electromechanical, capacitive sensors, chemiluminescences, Body Area Network (BAN), Wireless Body Area Network, Wireless Sensor Networks, Software and Hardware, and Information and Telecommunications Technologies (ICT).

Current wireless technologies, such as wireless body area networks and wireless personal area networks, provide promising applications in medical monitoring systems to measure specified physiological data, also provide location-based information, if required. With the increasing sophistication of wearable and implantable medical devices and their integration with wireless body area, an ever-expanding range of therapeutic and diagnostic applications is being pursued by research and commercial organizations.

This special collection aims to provide a comprehensive review of recent developments in wireless sensor technology, wireless body area network and wearable is monitoring in health and medicine. In the other hand, review the status in research and development in WBAN, wearable’s and the integration between wearable’s and WBAN. The current status and future trends of Wearable’s and WBAN will have a radical impact in medical systems and health, in special in preventive medicine.

Topics of the Special Collection include but are not limited to:

- Health
- Parkinson, Parkinson, Alzheimer, diabetes, preclancy, epilepsy, deafness, reduced mobility, blind, elderly, dialysis, cancer, multiple sclerosis, fractures, speech, etc.
- Preventive Medicine
- Case Study in health
- Neuromodulators



- New Materials
- Body Area Network
- Wearable wireless sensor networks
- Smart wearable body sensors
- Wearable sensor
- Internet health of things
- Wearable's biosensor systems
- Cloud enable wireless body area network
- Smart textile based in wearable biomedical system
- Bio medical application of WBAN
- Developing the Security Zone for Wireless Body Area
- Capsule sensor and evaluation of its wireless communication performance
- Preventive Ubiquitous Healthcare
- Healthcare Technologies
- WBAN-ECG monitoring system
- Antennas in WBAN

Please ensure submissions include approximately six keywords, which reflect the key themes of the collection: 'Health', 'Wearable's', 'WBSS', 'BSN', 'UWB', 'WBAN'.

Submission Timetable

Extended deadline for submissions: 22nd November 2020

First Publication: TBC

Submission Guidelines

Authors are invited to submit original research contributions according to the 'Manuscript Submission Guidelines' published on the Health Informatics Journal website <https://journals.sagepub.com/author-instructions/HIM#HowToSubmitYourManuscript>. Health Informatics Journal is hosted on SAGE Track, a web based online submission and peer review system powered by ScholarOne™ Manuscripts. Authors should visit <http://mc.manuscriptcentral.com/hij> to login and submit their articles online.

Please note that Health Informatics Journal is Open Access. Therefore, by submitting your papers to this Special Collection, you agree that a article processing charge of will be paid should your submission be accepted for publication. The fee is currently at a discounted rate of \$750 USD (the non-discounted article processing charge is \$1,500 USD). This fee is subject to change.

Guest Editors

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