



Journal of Medical Signals and Sensors (JMSS)

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Special issue on Social Media Analytics and Sensing for Pervasive Healthcare and Well-being

In recent days, the implication of social media analytics and sensing networks paves the way for a pervasive healthcare system. It ensures the well-being of healthcare to a greater extent around the globe. Pervasive healthcare indulges many technological trends considerably to fetch higher efficiency in healthcare. Certainly, pervasive healthcare is being widely investigated to enrich the standards of living amidst the public and helps in providing better clinical treatments irrespective of their localities. Subsequently, the sensing system relies on the new technological features that support a productive life.

The need of implicating sensing systems and social analytics anticipate rapid development of healthcare and enhance the ability to meet the medical demands of both urban and rural people. Eventually, sensing system in healthcare is broadly used for screening, detecting, diagnosis, and treatment purposes. Integrating social media analytics with big data facilitates the emergence of smart health by various advanced methodologies like early disease detection, smart drug delivery, effective, low-cost treatments, etc. The paradigm of social media analytics with sensing systems meticulously ensures the medical services and applications available in all remote areas, which indeed help to bring out drastic changes in healthcare appreciably. In addition, WSNs (Wireless Sensor Networks) and WBANs (Wireless Body Area Networks) play a crucial role in enhancing healthcare systems to a greater extent. Moreover, pervasive healthcare ensures the treatment process available at home and hospital effectively. Significantly, sensing system helps in fetching high-performance rate in sensing implied health devices and applications that further leads to the construction of sustainable health care units across the globe. Social media analytics and sensing system are designed with more analytical features to attain higher accuracy



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and stability in healthcare systems. Social media analytics can revolutionize healthcare and track patients' wellness both in and outside of healthcare sectors.

The special issue provides myriad opportunities for scholars to discuss secure and safe methodologies to implement sensing systems and social media analytics for pervasive healthcare. Conversely, there are many challenges and opportunities in the development of new sensing systems to enhance the security and efficiency of healthcare. Limitations include data integrity, technical failure, and data hack and privacy threats. Researchers and practitioners are invited to present a theoretical research framework against this background.

Topics of inters:

- Trends and perspectives of technological implication in healthcare
- Recent advancements in social media analytics and sensing for healthcare development
- Future perspectives: Efficacy of sensing system in pervasive healthcare and well being
- Current trends and limitations in pervasive healthcare
- Need of substantial policies for the promotion of healthcare
- Frontier applications of social media analytics for the development of pervasive health care
- Insights of pervasive healthcare and their drawbacks



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- **Analytical methods for featuring sensing systems in healthcare applications**
- **Deep learning and opportunities for the enhancement of technology-assisted healthcare**
- **Pervasive healthcare: Pros and cons**
- **Efficacy of social media analytics in the development of health care units**
- **Contributions of governmental organizations for the development of pervasive healthcare**

Important Dates:

- ✓ **Paper Submission Deadline: 31 Jun. 2023**
- ✓ **Author Notification: 05 April. 2023**
- ✓ **Revised Paper Submission: 10 July. 2023**
- ✓ **Final Acceptance: 20 Oct, 2024**



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