**IoMT based Biomedical Measurement Systems for healthcare monitoring: A Review**

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Dear Editor,

Please consider the submitted paper entitled “IoMT based Biomedical Measurement Systems for healthcare monitoring: A Review” for the publication in your Special Issue.

The paper is an extended version of previous work presented to the IMEKO TC4 2020 conference held in Palermo, Italy:

*I. Ahmed, F.Lamonaca, “Recent Development in IoMT based Biomedical Measurement Systems: a Review”, IMEKO TC-4 2020, Palermo, Italy, September 14-16, 2020, pp 23-28.*

Cited in the submitted paper as Reference [9]

In the following the main improvement of the presented paper with respect to the Conference one.

This paper introduced new examples of Internet of Medical Things based Biomedical Measurement Systems (IoMT-BMSs), out of which few are related to previously presented applications while some examples for new applications are reported.

Additionally, the paper gives adjunctive information about the advantages, working principles and technologies for the previous as well as for new IoMT-BMSs here reported.

From the analysis of the most recent literature, it has been observed that most of the research community in the field of IoMT-BMS is more focused in applying the IoT technologies for various medical applications, and unfortunately, very few are developing quality products in term of metrological reliability and accuracy.

In this context, this paper has highlighted some important metrological aspects that must be considered by the research community in the designing process of IoMT-BMS.

Also, this version has highlighted how the Research Community is currently evaluating the accuracy and reliability of the newly developed IoMT systems and in the presented paper the authors have given a brief discussion about the validation process of these systems at the end of each given example.

The hope is to stimulate the research on the metrological aspects related to the IoMT-BMS by giving a critical overview on the existing metrological challenges.

Best Regards

Eng. Imran Ahmed in the name of all Authors