Message from the Guest Editors

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This special issue “CNIB 2018: Technologies to improve health” comes up from the National Conference of Biomedical Engineering 2018 (CNIB 2018) on the occasion of the 40th anniversary of the Mexican Society of Biomedical Engineering. The topics of the conference were Medical signal and image processing, Bioinstrumentation, Biosensors, and micro/nanotechnologies, Biomaterials and tissue engineering, Biomechanics, Rehabilitation and prosthesis, Medical physics, Modeling and simulation of biological and physiological systems, Development of health technologies, and Clinical engineering and normativity.

Of the papers presented during CNIB 2018, the best evaluated were invited to participate in this special issue, with an outstanding response from the authors.

The purpose of this special issue is to present and discuss cutting edge research that was developed in Mexico, implementing frontier biomedical technologies to address the most relevant health problematics of the country. This issue includes research related to the optimization of medical equipment based on its location, evaluation and timely maintenance by automatically monitoring the equipment to reduce significant economic losses to the health sector. Innovative works in modeling and simulation of biological systems are also included, as well as the design of new devices and development of algorithms to improve medical diagnosis.

It was a year of arduous work to complete this special issue under the high-quality standards of Springer editorial and the Journal Health and Technology, it is a great satisfaction to

show in this final product the Mexican research in the biomedical engineering field.

We like to take the opportunity to acknowledge Professor Luis Kun, editor in chief of the Journal Health and Technology for his continuous commitment in the dissemination of biomedical engineering and his support to carry out this process successfully. Special thanks to the Mexican Society of Biomedical Engineering because without their continued support it would not have been possible to carry out this joint effort, as well to the editorial committee of the CNIB in its 2018 edition that carried out the meticulous evaluation of the works submitted to the event and facilitated the process for the publication of this special issue.

Sincerely,

Dora-Luz Flores, PhD

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Compliance with ethical standards

Conflict of interest The authors declare that they have no conflict of interest.

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