## Special Issue

## Microwave and Antenna System for Biological and Medical Applications

## Message from the Guest Editor

Medical devices are increasingly innovating through the adoption of microwave technologies, in terms of innovative antenna systems and sensors for the implementation of a 'personalized medicine' approach, by utilizing a procedure to realize the continuous, non-invasive, real-time monitoring of biomedical parameters. The further integration of microwave technologies with 'machine learning' tools will help medical operators perform rapid and accurate diagnoses, such as in the case of small-size tumors, while avoiding the need of ionizing radiation (X-rays). The Special Issue topics include, but are not limited to, the following:

- Antenna systems for medical applications;
- Microwave imaging for biomedical applications;
- Microwave technologies for contactless biomedical sensing;
- Signal processing methods for microwave biomedical sensors:
- Machine learning techniques for microwave biomedical applications.

## Keywords

- Microwave sensors
- Antennas
- Medical and Biomedical appplications
- Signal Processing Algorithms for Biomedicine
- Machine Learning Methods for Biomedicine

## **Guest Editor**

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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## **Editor-in-Chief**

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