



## Advanced Biomedical Ultrasound Imaging Techniques

Guest Editors:

**Prof. Dr. Marvin M. Doyley**

**Dr. Amirtaha Taebi**

**Dr. Himanshu Shekhar**

**Dr. Rohit Nayak**

Deadline for manuscript  
submissions:

**closed (31 December 2019)**

### Message from the Guest Editors

Dear Colleagues,

During the last decade, we have witnessed several breakthroughs in diagnostic ultrasound. These discoveries include super-resolution imaging, ultrafast imaging, photoacoustic imaging, and functional imaging, to name a few. Findings that should soon allow clinicians to use ultrasound to perform molecular and functional imaging, tasks once reserved for magnetic resonance imaging, positron emission tomography. As Guest Editor, I would like to invite authors to contribute original research or reviews to a Special Issue on "Advanced Biomedical Ultrasound Imaging Techniques" that focuses on optimizing, improving, and translating emerging ultrasound imaging techniques in the clinical setting.

Prof. Dr. Marvin M. Doyley

Dr. Amirtaha Taebi

Dr. Himanshu Shekhar

Dr. Rohit Nayak

*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)