# Special Issue on Advanced Biomedical Sensing and Processing

## Preface

I am delighted to present a special issue on Advanced Biomedical Sensing and Processing of the Sensors & Materials Journal. This issue presents a diverse and stimulating collection of high-quality research articles that demonstrate the remarkable potential of biomedical engineering in revolutionizing healthcare and biological research. As a multi- and interdisciplinary field, biomedical engineering includes the principles of biology, medicine, and engineering to explore innovative solutions to advanced healthcare challenges. In biomedical engineering, the techniques of sensing, processing and their applications form the foundation of this research area, and they are the driving forces behind medical, clinical and biological innovations.

In this issue, we cover a broad spectrum of research topics, including biocell emulation devices, in-body and wearable sensors, bio-image processing, intravitreal implantable therapy devices and surgical assistance devices. Each manuscript has undergone a rigorous and thorough peer-review process by experts in the respective fields with the intent to provide our readers with the most accurate, insightful, and relevant information. We hope that this special issue will serve as a catalyst for new ideas, collaborations, and scientific breakthroughs that will continue to push the boundaries of what is possible in healthcare.

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