

## Special Issue

# Combining Ultrasound and Microbubbles/Nanobubbles for Enhancing the Effects of Cancer Therapies

### Message from the Guest Editors

At present, there are different types of treatments for cancer. Patients receive adjuvant therapies based on their cancer type. In recent years, ultrasound-stimulated microbubbles/nanobubbles have widely been explored for their non-invasive nature and the potential to enhance the effects of existing cancer therapies, including radiation therapy, chemotherapy, and immunotherapy. Microbubbles/nanobubbles, when exposed to ultrasound waves, undergo several phenomena, such as expansion, compression, and even collision, facilitating several bioeffects. Several studies suggest that ultrasound and microbubbles/nanobubbles, when combined with cancer therapies, can lead to an additive or synergistic tumor response. After marking its success in preclinical studies, ultrasound-stimulated microbubbles/nanobubbles combined with cancer therapies are underway to demonstrate its impact on early-stage clinical trials. This Special Issue aims to cover the latest findings of tumor enhancement using ultrasound-stimulated microbubbles/nanobubbles and existing cancer therapies.

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