



CALL FOR PAPERS Special Issue on Minimally Invasive Thermal Therapies

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[*ASME Journal of Engineering and Science in Medical Diagnostics and Therapy*](#)

Special Issue on Minimally Invasive Thermal Therapies

This Special Issue includes original research and review articles in the area of minimally invasive thermal therapies not limited to radiofrequency ablation (RFA), microwave ablation (MWA), cryoablation, LASER ablation, nanoparticle assisted therapies, etc. The focus of the Special Issue will be on understanding the importance of different operating factors affecting the ablation of benign and malignant tumors located in different organs of the human body (or in animal models) and their safe removal. The assessment of technical safety and feasibility of these methodologies for successful treatment of deep-seated tumors inside the human body will also be an important part of the Special Issue. Articles will include data from clinical, in vivo, in vitro and numerical studies. The main aim of this Special Issue is to update clinical practitioners and researchers with recent research on minimally invasive thermal therapies.

Topic Areas

- Modeling of tissue-thermal energy interaction during ablation
- Ablation of early-stage tumors
- Ablation of medium (3.5 cm diameter) and large size tumors (>3.5 cm diameter)
- Breast tumors
- Hepatocellular carcinoma
- Tumors in lungs
- Colon cancer
- Kidney cancer
- Contraction of tissue during ablation
- Safety of healthy organs/surrounding tissue
- Advances in minimally invasive thermal therapies

Publication Target Dates

Paper submission deadline	May 1, 2023
Initial review completed	August 1, 2023
Special Issue publication date	November 2023

Submission Instructions

Papers should be submitted electronically to the journal at journaltool.asme.org. If you already have an account, log in as an author to your ASME account. If you do not have an account, sign up for an account. In either case, at the **Paper Submittal** page, select the [ASME Journal of Engineering and Science in Medical Diagnostics and Therapy](#) and then select the Special Issue **Minimally Invasive Thermal Therapies**.

Papers received after the deadline or papers not selected for inclusion in the Special Issue may be accepted for publication in a regular issue.

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