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Special Issue on New Trends in Simulation of Physiological Flows

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

Special Issue on New Trends in Simulation of Physiological Flows

The Special Issue includes original research and review articles in the research area of fluid flow dynamics and is not limited to circulatory flows and blood, respiratory flows, voice, and cerebrospinal fluids in both the healthy and diseased.

The focus of the Special Issue will be on biofluid dynamics, fluid-structure interaction, and acoustic phenomena of relevance to confined, unsteady, transitional, or turbulent fluid flow scenarios in the human body. The articles will include data from experiments, computational fluid dynamics simulations, and/or models. The goal of the Special Issue is to provide the scientific community with the latest update on biofluid dynamics research in both the healthy and diseased with relevance to circulatory and respiratory systems.

Topic Areas

- Blood flows
- Airway flows
- Biomechanics of obstructions
- Voice
- Obstructive airway disorders
- Tissue behavior
- Particle transport
- Modeling
- Computational engineering

Publication Target Dates

Paper submission deadline	November 1, 2021
Initial review completed	January 19, 2022
Special Issue publication date	February 1, 2022

Submission Instructions

Papers should be submitted electronically to the journal at journaltool.asme.org. If you already have an account, log in as author and select **Submit Paper** at the bottom of the page. If you do not have an account, select **Submissions** and follow the steps. 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 **New Trends in Simulation of Physiological Flows**.

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

Guest Editors

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