

# Special Issue

## Turbulence in Blood Flow

### Message from the Guest Editors

Turbulence is one of the long-standing mysteries of classical mechanics. Despite having a statistical framework that describes the characteristics of most homogenous isotropic turbulent flows, there are many scenarios where turbulence is yet to be characterized and comprehended. Turbulence in physiologic flows in general, and in blood flow in particular, is one of these scenarios. In the human circulatory system, turbulence is present both in physiological and pathological conditions. Turbulence affects vascular remodelling, cellular pathophysiology, as well as transport and reactive phenomena in blood flow. This special issue of *Fluids* is dedicated to the study of turbulence in blood flow. We are pleased to announce the first call for papers on this important topic. Original research articles, reviews, meta-analyses, and methodological reports that involve the study of turbulence in any problem related to blood flow are welcome. The scope of this Special Issue includes all theoretical, analytical, computational, and experimental works that aim at studying turbulence in blood flow.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2021)



## Fluids

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*Fluids* (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in *Fluids*. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider *Fluids* as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

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