

## Special Issue

# Advances in the Hemodynamic Analysis in the Cardiovascular System

### Message from the Guest Editors

Hemodynamics is the mechanical interaction between the flowing blood and surrounding tissue of the cardiovascular system. There is a very sensitive balance between the hemodynamics and proper functioning of the cardiovascular system. Deterioration of this balance, known as disturbed hemodynamics, is known to contribute to cardiovascular diseases (CVDs). Accurate analysis or measurement of hemodynamics is important for the assessment of cardiovascular function and diagnosis of CVDs. In addition to clinics, in vivo cardiovascular studies with animal models require accurate hemodynamics assessment. There are several approaches for hemodynamics analysis such as imaging modalities including Doppler ultrasound, OCT ultrasound, flow MRI, and computational fluid dynamics (CFD) modeling for detailed assessment. This Special Issue aims to highlight recent advances in the assessment of hemodynamics in the cardiovascular system in clinical settings as well as for animal experiments.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2023)



## Journal of Cardiovascular Development and Disease

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## About the Journal

### Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (JCDD, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to JCDD undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. JCDD guarantees fast dissemination of results to a large scientific audience

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### Editor-in-Chief

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