



## Biological Fluid Dynamics

Guest Editors:

**Dr. Eldad Avital**

School of Engineering and  
Materials Science, Queen Mary  
University of London, London E1  
4NS, UK

**Dr. Dong Xu**

College of Water Conservancy &  
Hydropower Engineering, Hohai  
University, Nanjing 210098, China

**Dr. Efstathios Kaliviotis**

Department of Mechanical  
Engineering and Materials  
Science and Engineering, Cyprus  
University of Technology,  
Limassol 3036, Cyprus

Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

Biofluid dynamics is a wide topic that merges mechanical and biological engineering as well as several fields of science. It involves a range of issues from external to internal flows and from how birds fly and animals swim to internal blood and urinary flows. The complexities of such flows in terms of geometry, multi-scale effects, fluid–structure interaction, and, in many cases, non-Newtonian fluid properties impose significant challenges when it comes to studying these flows.

For this Special Issue, we call for a wide range of papers, including those covering analytical, computational, and experimental studies of biofluids as they are related to humans and animals. Manuscripts can focus on fundamental research or applied research, e.g., the design of biofluid devices. Of particular interest are manuscripts looking at the blood, renal, and respiratory systems as well as at the external flows of swimmers, flying animals, and pathogens spreading through air/gas and water/liquid. Nonetheless, manuscripts dealing with any other field related to biofluid dynamics are welcome as well.

Dr. Eldad Avital

Dr. Dong Xu

Dr. Efstathios Kaliviotis

*Guest Editors*





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## Editor-in-Chief

### **Prof. Dr. D. Andrew S. Rees**

Department of Mechanical  
Engineering, University of Bath,  
Bath BA2 7AY, UK

## Message from the Editor-in-Chief

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*Fluids* Editorial Office  
MDPI, St. Alban-Anlage 66  
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