

# Problems in biomedical fluid mechanics

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## Short Description

Biomedical applications form an important and constantly growing part of the fluid mechanics. In the context of recent global medical challenges the demand for accurate and reliable mathematical models and numerical predictions has raised. Within the proposed minisymposium, we would like to focus on mathematical models, numerical methods and selected applications in biomedical fluid mechanics. The key topics will include the hemodynamics, and the models of air flow in human airways. The aim is to bring together specialists in mathematical modeling, analysis, numerical methods and simulations with focus on the biomedical applications.