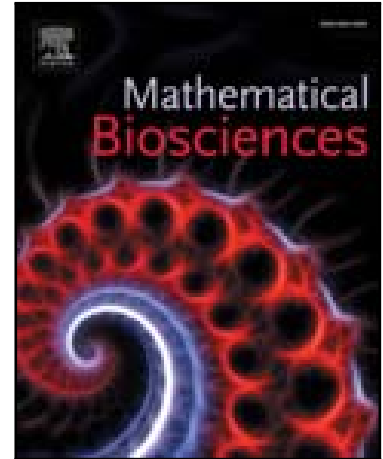


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Particulate suspension effect on peristaltically induced unsteady pulsatile flow in a narrow artery: Blood flow model

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Highlights

- Haematocrit cannot pass through the capillary wall due to Segré–Silberberg effect.
- Trapped bolus of large size is formed near the boundary in case of haemodilution.
- The pulsating flow through arteries enhances the velocity components of fluid.
- The peristaltic region increases with an increase in the concentration.
- The peristaltic output is only promoted with an increase in the occlusion.

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