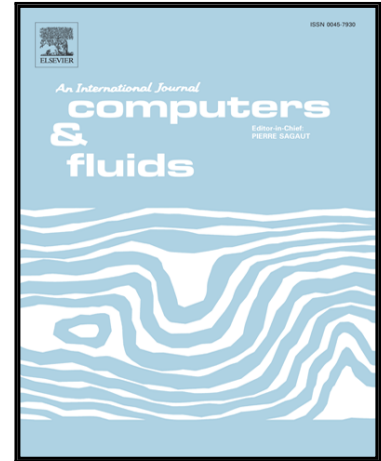


## Accepted Manuscript

Modelling of Dam Failure-induced Flows over Movable Beds  
Considering Turbulence Effects

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## Highlights

- The present model is developed for dam break flow modeling on movable beds.
- The governing equations consist of the shallow water and the Exner equations.
- The turbulence effects and five bed load formulations considered in the model.
- The flux modelling are based on the TVD WAF method with the second-order accuracy.
- According to the results and error calculations, the acceptable simulation is done.

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