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Coupled Incompressible Smoothed Particle Hydrodynamics Model for Continuum-Based Modelling of Sediment Transport

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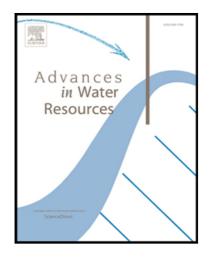
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#### ACCEPTED MANUSCRIPT

### Highlights

- Solenoidal Granular flow modelling using divergencefree ISPH with rheological approximation.
- A unique attempt to couple granular flow with Newtonian fluid model.
- Capable of identifying dry and wet granular phases.



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