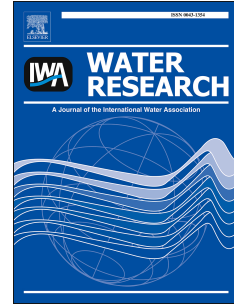


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Persistence of Fecal Indicator Bacteria in Sediment of an Oligotrophic River:
Comparing Large and Lab-Scale Flume Systems

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Highlights

- Large and lab flumes used to examine survival of fecal bacteria in river sediment.
- Only in a large flume can bed shear stresses representative of modeled conditions in the Isar be achieved.
- Disappearance of fecal bacteria in lab flume due to low temperature and nutrients.
- Disappearance of fecal bacteria in large flume due to erosion/washout and grazing.
- Lab flumes may not accurately depict survival of FIB in alpine river sediments.

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