

Preparing a two column extended abstract paper with MS Word for Windows

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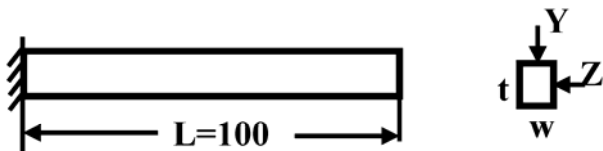
ABSTRACT

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A detailed riparian field study to assess the importance of bedrock groundwater in streamflow processes was established in the headwaters of the Afon Hafren, mid-Wales, UK. Results from this study identified distinct groundwater horizons close to the stream channel. Different flow pathways and travel times resulted in a different chemical character of groundwaters in these different horizons. Groundwater discharge from these horizons into the stream was by piston displacement in response to recharging rainfall higher up in the catchment. Groundwater upwelling into the soils indicated soil water to be sourced from both groundwater and rainfall. Soil waters closest to the stream (ca. 25m) were predominantly groundwater controlled and may be the major source for ecologically toxic soil components such as aluminium entering the river. The role of groundwater in upland streamflow generation is far more complicated than previously considered and has important implications for upland water quality.

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Figure 1. Sample of a figure caption

A detailed riparian field study to assess the importance of bedrock groundwater in streamflow processes was established in the headwaters of the Afon Hafren, mid-Wales, UK. Results from this study identified distinct groundwater horizons close to the stream channel.

Table 1. This a table caption

Items	Properties
Concrete	C50
Steel fiber	Hooked steel wire fiber, L=50 mm, L/d=55, Blend capacity=60 kg/m3
Polypropylene fiber(PP fiber)	Dispersed monofilament fiber, L=12 mm, d=18 μm, Melting point=160 °C, Blend capacity=2 kg/m3

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