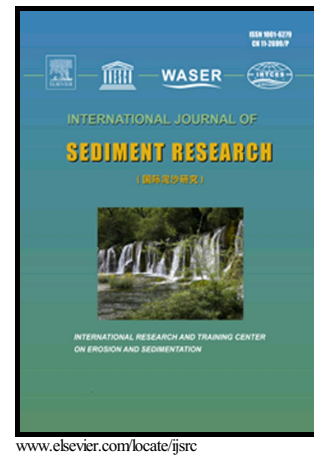


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**Nutrients accumulation in drainage channel sediments**

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**Abstract**

The drainage channel network in Vojvodina, northern part of the Republic of Serbia, in total length of around 20,000 km, transfers excessive (under)ground waters from around 2.15 million ha of lowlands. Channels are mostly in direct connection with the surrounding arable agricultural land and are exposed to different run-off, leaching and/or wind erosion processes. Close to urban areas, some channel sections serve as recipients of unrefined sewage and industrial waste waters. Water flows and velocities, as well as the transportable capacity of

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