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Physico-chemical and genotoxicity analysis of Guaribas river water in the Northeast Brazil



João Marcelo de Castro e Sousa, Ana Paula Peron, Felipe Cavalcanti Carneiro da Silva, Ellifran Bezerra de Siqueira Dantas, Ataíde de Macedo Vieira Lima, Victor Alves de Oliveira, Leomá Albuquerque Matos, Márcia Fernanda Correia Jardim Paz, Marcus Vinicius Oliveira Barros de Alencar, Md. Torequíl Islam, Ana Amélia de Carvalho Melo-Cavalcante, Cláudia Costa Bonecker, Horácio Ferreira Júlio Junior

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**Highlights**

- ✗ Guaribas river carries polluted water.
- ✗ Guaribas river water exhibited genotoxic effects in *Oreochromis niloticus*.
- ✗ Heavy metal-induced significant toxic effects.

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