



云南大学学报(自然科学版) » 2002, Vol. 24 » Issue (3): 237-240 DOI:

生物学

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利用紫露草微核技术监测抚仙湖水质污染的研究

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Tradescantia micronucleus biomonitoring for water pollution in Fuxian Lake, Yunnan

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- 摘要
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全文: PDF (209 KB) HTML (KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 以Na₂S₂O₈处理作为阳性对照,以自来水处理作为阴性对照,用紫露草微核监测法对抚仙湖具有代表性的10个水样进行了监测评价.结果表明:各水样微核率与阴性对照相比都有较明显升高,邻近湖滨区域的水体污染程度远高于湖泊中心水体,湖泊南部的水体污染程度高于北边的水体.这种变化与化学监测的结果是一致的.

关键词: 紫露草微核监测 抚仙湖 水污染

Abstract: Located in the middle of Yunnan Plateau, as the second deepest lake in China, Fuxian Lake is being polluted. Tradescantia micronucleus frequency were determined in 10 water samples obtained from different sites of Fuxian Lake, and the mutagenesis of the water samples of the lake were estimated. The results showed that the water along the shores of the lake was much more polluted than that in the central area of the lake, and the water in the southern part of the lake was more contaminated than that in the northern part of the lake.

Key words: Tradescantia micronucleus test Fuxian Lake water pollution

收稿日期: 2001-10-22;

基金资助:国家自然科学基金资助项目(39970142);教育部高等学校骨干教师资助计划项目(GG-180-10673-2001)

引用本文:

陈霆,王海娟,段昌群等. 利用紫露草微核技术监测抚仙湖水质污染的研究[J]. 云南大学学报(自然科学版), 2002, 24(3): 237-240.

CHEN Ting, WANG Hai-juan, DUAN Chang-qun et al. Tradescantia micronucleus biomonitoring for water pollution in Fuxian Lake, Yunnan[J]. , 2002, 24(3): 237-240.

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编辑出版: 云南大学学报编辑部 (昆明市翠湖北路2号, 650091)

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