



环境卫生工程

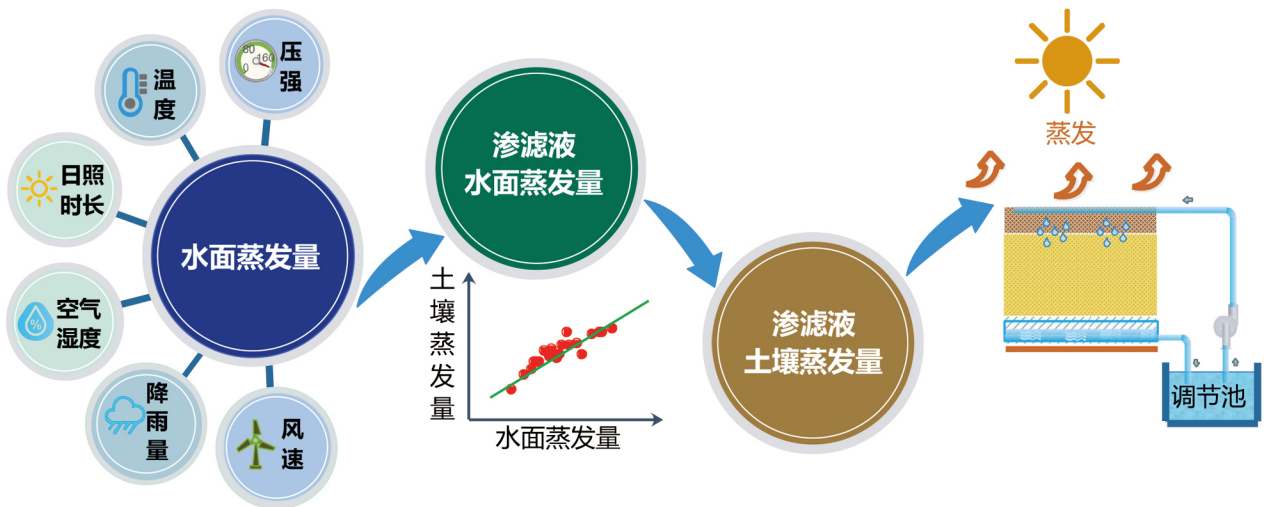
ENVIRONMENTAL SANITATION ENGINEERING

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· 旱寒黄土区渗滤液灌溉蒸发影响因素初探

胡泸丹, 邵立明, 蒲红霞, 王素君, 魏新庆, 何品晶

导读 在蒸发量远高于降雨量的旱寒黄土区的填埋场中, 采用黄土覆盖-循环灌溉-蒸发减量的模式, 是对渗滤液原位管控的可行途径。为探明蒸发减量的影响因素, 采用模拟覆盖层研究了兰州某填埋场渗滤液灌溉蒸发量与气象条件、灌溉强度、渗滤液水质的相关性, 获得了渗滤液灌溉蒸发量的计算模型, 为工程应用奠定了基础。通过覆盖层灌溉渗滤液, 实现原位蒸发减量, 有望达到减少渗滤液外排、甚至无外排的目的, 从而极大降低填埋场的运行成本。



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