

## Phytoremediation of Heavy Metals by *Phragmites Australis* at Oued Meboudja Annaba Algeria

**Authors :** Kleche Myriam, Ziane Nadia, Berrebbah Houria, Djebar Mohammed Reda

**Abstract :** The Phytoremediation has now become a necessity. Thus, in our work, we are interested in the biological wastewater treatment of Oued Meboudja. The physicochemical analysis of water after treatment showed a significant reduction of suspended matter, COD and BOD5 and rate of metals in roots for example iron and zinc. We also highlighted some significant changes in biometric and physiological parameters such as increasing the number of roots and increased respiratory metabolism through the oxygen consumption in isolated roots of *Phragmites australis*, placed in a polluted environment.

**Keywords :** phragmites australis, roots, phytoremediation, iron, zinc

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