

## **Microbiological Analysis of Polluted Water with Pesticides in Ben Mhidi (Northeastern of Algeria)**

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**Abstract :** For many years, the pesticides used in agriculture have been responsible for environmental degradation, particularly noticeable in the areas of intensive agriculture, particularly through contamination of surface and groundwater. Our study was conducted to isolate and identify the microflora of water polluted by pesticides in an area with an agricultural vocation (Ben M'Hidi) subject to the pesticide effect for several years. Isolated fungal strains were identified based on the morphology of their vegetative and reproductive apparatus. The micromycètes were obtained; they belong mainly to the genera *Aspergillus*, *Penicillium* and *Trichoderma*. Furthermore, most bacterial strains characterized in this work, are that of the genus *Aeromonas*, *Pseudomonas* that are widely represented in the study of the biodegradation of pesticides.

**Keywords :** isolated, strains, polluted, pesticides

**Conference Title :** ICEEPHRHEP 2023 : International Conference on Effects of Environmental Pollutants on Human Reproductive Health and Environmental Pollution

**Conference Location :** Paris, France

**Conference Dates :** June 22-23, 2023