A case of study about bioaccumulation of heavy metals in *Perenniporia fraxinea*, a lignicolous macrofungus

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1. Introduction

Macrofungi can accumulate heavy metals and every species has a different behaviour as regards each chemical element. Many studies have been carried out, but only few about lignicolous species. This group of fungi needs that, besides soil, also the wood substratum is taken into account **[3,4]**.
Perenniporia fraxinea (Bull.) Ryvarden is a lignicolous macrofungus belonging to the family of Polyporaceae; it is a white rot agent which prefers broadleaves, expecially *Fraxinus* sp. Just like in many other lignicolous species, its basidiomata are perennial and woody, features which let it be exposed to the possible environmental contamination sources for a relatively long time. As far as we know, any study about bioaccumulation in this species has not been performed yet **[2]**.