

SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

Department of Civil, Architectural & Environmental Engineering



MASTER THESIS IN

ENVIRONMENTAL ENGINEERING

Abstract

"Phytoremediation process for the removal of ¹³³Cs from soil"

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The soil pollution is an issue of considerable



pollution of soil is more long-term problem with chronic consequences



plants to accumulate Cs. Assessed the role of leafs and roots in removal of Cs from contaminated medium.



- ¹³⁷Cs radioactive isotope



The work was conducted at Czech University of Life Sciences Prague, Faculty of Environmental Science.

The experimental part of the thesis was conducted in three main steps:

 Preparation of the plants for the experiment;
Experiment – Exposition of plants to cesium;

3) Analyses of Cs in plants.









Mineralization





















The best plants for the goals of this study are:

Lythrum Salicaria





