

ملخص الرسالة باللغة الانجليزية

Summery of Thesis

This thesis which have address (*CHEMICAL STUDIES FOR THE REMOVAL OF SOME RADIOACTIVE NUCLIDES USING ZIRCONIUM VANADATE AS ACATION EXCHANGER*)

Is concerned in 150 page, 30 figure, 19 table and 228 reference. The main aim of this study is direct to prepare zirconium vanadate mateix and to find the optimum conditions for separation and preconcentration of some radionuclides, namely, cesium-137, cobalt-60, zinc-65 and europium-152+154 from back end of fuel cycle and this thesis concludes also some fundamental studies such as kinetic studies, distribution coefficients and adsorption isotherms to optimize the operative conditions for the removal of mentioned radionuclides from radioactive waste