



Ain Shams University

Faculty of Science

**Preparation of Porous Zirconium Molybdate and
Titanium Molybdate as Gel Materials for $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$
Chromatographic Column Generators**

A thesis Submitted by

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(M. Sc. Chemistry)

Assist. Lecturer in Radioactive Isotopes and Generators Dept.

Hot Labs. Center, Atomic Energy Authority

**For the Degree of
Doctor of Philosophy in Science (Chemistry).**

Department of Chemistry

Faculty of Science

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Approval Sheet

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To my Parents

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and have demanded nothing of their
endless succor,*

To my brothers and sisters

*Who desire blissfulness and happiness
for me all the time,*

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And to my wife

*Whose backing has been a constant
source of encouragement for me.*

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