Solvent Extraction Studies of Some Transition and Lanthanide Metal Ions Using Organophosphonates

THESIS

Submitted in Partial Fulfilment of the Requirments of
M.Sc. Degree in Chemistry

Presented by

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B. Sc. (1985)

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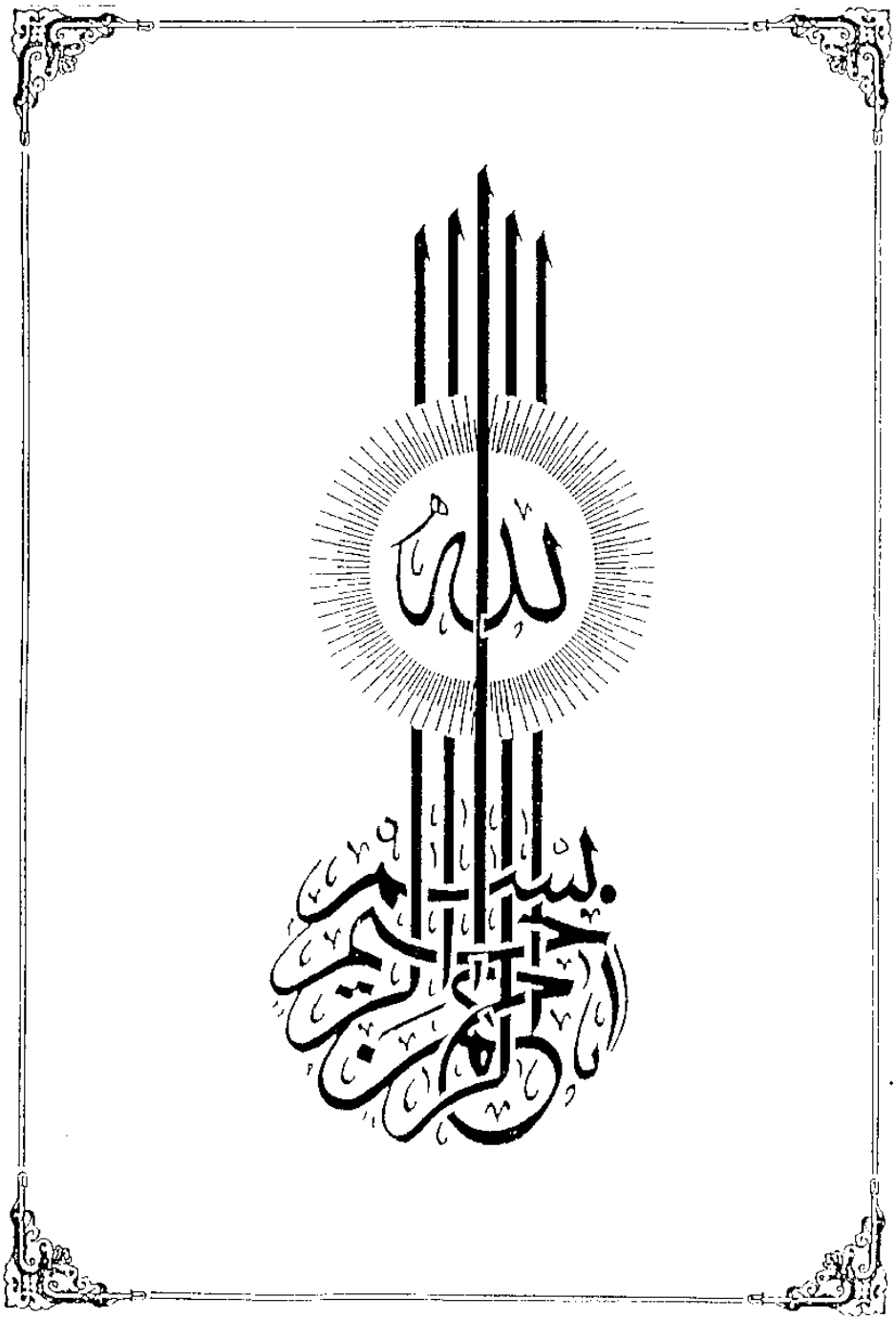
قالوا

سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا
إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

سورة البقرة (الآية ٣٢)



SOLVENT EXTRACTION STUDIES OF SOME TRANSITION AND LANTHANIDE METAL IONS USING ORGANOPHOSPHONATES

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TO MY PARENTS

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N O T E

Beside the work carried out in this thesis, the student has attended post-graduate courses for one year in analytical and inorganic chemistry including the following topics:

1. *Nuclear and radiation chemistry.*
2. *Inorganic reaction mechanism.*
3. *Advanced separation techniques.*
4. *Advanced electrochemistry.*
5. *Molecular structure.*
6. *Optical methods of analysis.*
7. *Electrochemical methods of analysis.*
8. *Organometallic chemistry.*
9. *Group theory and its applications.*
10. *Computer science and its application in chemistry.*

He had successfully passed a written examination in these courses.

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