CONTENTS

CHAPTER 1

Introduction

Introduction

Functionalization of Calixarenes

Applications of Calixarenes

Aim and Scope

Present Investigation

References

CHAPTER 2


Abstract

Introduction

Experimental

Result and discussion

Conclusion

References

CHAPTER 3


Abstract

Introduction

Experimental
CHAPTER 4

Improvement of some pharmaceutical properties
of Mycophenolate Mofetil (MMF) by para
sulphonatocalix[4]resorcinarene inclusion complex

Abstract
Introduction
Experimental
Result and discussion
Conclusion
References

CHAPTER 5

Azo calix[4]arene based neodymium (III)-selective PVC membrane

Sensor

Abstract
Introduction
Experimental
Result and discussion
Conclusion
References
CHAPTER 6

Novel monohydrogenphosphate ion-selective polymeric membrane sensor based on calix[4]arene 142

Abstract

Introduction

Experimental

Result and discussion

Conclusion

References

CHAPTER 7 (A)


Abstract

Introduction

Experimental

Result and discussion

Conclusion

References

CHAPTER 7 (B)


Abstract

Introduction

Experimental
Result and discussion

Conclusion

References

APPENDIX

FT-IR
FAB-MASS
$^1$H NMR
$^{13}$C NMR

List of Publications