List of Symbols

1. Introduction 1
   Aims and Scope
   Present Investigation
   References

2. Synthesis and Characterisation of Calixarenes 83
   Abstract
   Introduction
   Experimental Section
   Results and Discussion
   References

3. Dissociation Constants of Calixarenes Hydroxamic Acids 114
   Abstract
   Introduction
   Experimental Section
   Results and Discussion
   References

4. Separation and Determination of Trace Elements 134
   Abstract
   Introduction
   Experimental Section
   Results and Discussion
   References

5. Complexation and Ion-Exchange Reactivity of Calixarene Hydroxamic Acids 174
   Introduction
   Experimental Section
   Results and Discussion
   References

List of Publications