



Introduction to Voltammetric Analysis: Theory and Practice

By Francis G. Thomas, Gunter Henze

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Voltammetric methods are among the most sensitive and versatile available to the analytical chemist. They can identify and quantify substances from simple metal ions, through to complex organic molecules. The concentration range spans 9 orders of magnitude and, in many cases, trace level analyses of surface waters and body fluids can be performed with little or no pre-treatment of the sample is required.

In this text the basic concepts and principles are presented in an easy-to-read manner. Practical aspects are discussed and an overview of the electrochemistry of the elements and of organic functional groups is interspersed with 27 tested applications described in detail.

The techniques covered expand its application out into other disciplines apart from chemistry, such as botany, zoology and soil science.

Contents

- Foreword
- Preface
- Introduction
- Techniques
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- Practical aspects
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- Applications: inorganic species
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