

## CONTENTS

Preface	ix
1. Analytical Chemistry of <i>Bacillus thuringiensis</i> : An Overview	1
2. Historical Aspects of the Quantification of the Active Ingredient Percentage for <i>Bacillus thuringiensis</i> Products	9
3. Bioassay Methods for Quantification of <i>Bacillus thuringiensis</i> $\delta$ Endotoxin	14
4. Specificity of Insecticidal Crystal Proteins : Implications for Industrial Standardization	22
5. In Vitro Analyses of <i>Bacillus thuringiensis</i> $\delta$ Endotoxin Action	36
6. Identification of Entomocidal Toxins of <i>Bacillus thuringiensis</i> by High-Performance Liquid Chromatography	46
7. Characterization of Parasporal Crystal Toxins of <i>Bacillus thuringiensis</i> Subspecies <i>kurstaki</i> Strains HD-1 and NRD-12 : Use of Oilnucleotide Probes and Cyanogen Bromide Mapping	61
8. Development of High-Performance Liquid Chromatography Assay for <i>Bacillus thuringiensis</i> var. <i>san diego</i> $\delta$ Endotoxin	70
9. Use of Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis To Quantify <i>Bacillus thuringiensis</i> $\delta$ Endotoxins	78
10. Quantitative immunoassay of Insecticidal Proteins in <i>Bacillus thuringiensis</i> Products	88
11. The Light-Scattering Characterization of $\delta$ Endotoxin Production in Inclusion Bodies	98
12. Quantification of <i>Bacillus thuringiensis</i> Insect Control Protein as Expresses in Transgenic Plants	105
13. High-Performance Liquid Chromatography Analysis of Two $\delta$ Endotoxins Produced by Some <i>Bacillus thuringiensis</i> Strains	114

## **INDEXES**

Author Index	139
Affiliation Index	139
Subject Index	139