Brain Mapping: The Methods

This concise, user-oriented and up-to-date desk reference offers a broad introduction to the fascinating world of medical technology, fully considering today’s progress and further development in all relevant fields. The Springer Handbook of Medical Technology is a systemized and well-structured guideline which distinguishes itself through simplification and condensation of complex facts. This book is an indispensable resource for professionals working directly or indirectly with medical systems and appliances every day. It is also meant for graduate and post graduate students in hospital management, medical engineering, and medical physics.

Near-Infrared Spectroscopy: An Overview

Near-infrared spectroscopy is a non-invasive method that uses light in the near-infrared region of the electromagnetic spectrum for the analysis of tissues. It is widely used in medical research, particularly in the evaluation of tissue oxygenation and brain function. The technique is based on the absorption of light by tissue components, which changes with changes in tissue composition. The book provides an overview of the technique, highlighting its applications in various fields such as medicine, neuroscience, and environmental analysis.

Analytical Characterization Methods: Near Infrared Spectroscopy

This chapter provides an overview of analytical characterization methods used in near-infrared spectroscopy. It covers the basics of near-infrared spectroscopy, including the spectral range, the instrumentation used, and the principles of light absorption. The chapter also discusses the advantages and limitations of near-infrared spectroscopy, and its applications in different fields.

Analytical Characterization Methods for Crude Oil and Related Products

This chapter focuses on the application of near-infrared spectroscopy in the analysis of crude oil and related products. It covers the basics of crude oil characterization, including the chemical and physical properties of crude oil. The chapter also discusses the advantages and limitations of near-infrared spectroscopy in the analysis of crude oil, and its applications in different fields.

Biolubricants: Science and Technology

This book provides an overview of the science and technology of biolubricants. It covers the basics of biolubricants, including their properties, characteristics, and applications. The book also discusses the challenges and opportunities in the development of biolubricants, and the role of near-infrared spectroscopy in the characterization and analysis of biolubricants.

Biological Characterization Methods

This chapter focuses on the application of near-infrared spectroscopy in the characterization of biological samples. It covers the basics of biological characterization, including the chemical and physical properties of biological samples. The chapter also discusses the advantages and limitations of near-infrared spectroscopy in the characterization of biological samples, and its applications in different fields.

Bio-Based Lubricant Formulations

This chapter focuses on the formulation and characterization of bio-based lubricant formulations. It covers the basics of bio-based lubricant formulations, including the properties, characteristics, and applications. The chapter also discusses the challenges and opportunities in the development of bio-based lubricant formulations, and the role of near-infrared spectroscopy in their characterization and analysis.

Practical Guide to Interpretive Near-Infrared Spectroscopy

This book provides an overview of the principles of interpretation of near-infrared spectroscopy data. It covers the basics of near-infrared spectroscopy, including the spectral range, the instrumentation used, and the principles of light absorption. The book also discusses the advantages and limitations of near-infrared spectroscopy, and its applications in different fields.
Handbook of Near-Infrared Analysis, Second Edition

New Horizons in Neurovascular Coupling: A Bridge Between Brain Circulation and Neural Plasticity is the latest volume in the Progress in Brain Research series that focuses on new trends and developments in neurovascular coupling. This established international series examines major areas of basic and clinical research within the neurosciences, as well as popular and emerging subfields. This volume takes an integrated approach to review and summarize some of the most recent progress reported on the connection between brain circulation and neural plasticity. It explores new trends and developments in basic and clinical research in the neurovascular coupling subfield of neuroscience. Uses an integrated approach to review and summarize recent progress emphasizes potential applications in a clinical setting. Enhances the literature of neuroscience by further expanding the established, ongoing international series Progress in Brain Research

Analytical Characterization Methods for Crude Oil and Related Products

This book provides knowledge of the basic theory, spectral analysis methods, chemometrics, instrumentation, and applications of near-infrared (NIR spectroscopy)—not as a handbook but rather as a sourcebook of NIR spectroscopy. Thus, some emphasis is placed on the description of basic knowledge that is important in learning and using NIR spectroscopy. The book also deals with applications for a variety of research fields that are very useful for a wide range of readers from students to scientists and engineers from both academia and industry. For readers who are novices in NIR spectroscopy, this book provides a good introduction, and for those who are already familiar with the field it offers an excellent means of strengthening their knowledge about NIR spectroscopy and keeping abreast of recent developments.

Near-Infrared Spectroscopy

This informative and state-of-the-art book on Infrared Spectroscopy is addressed to Researchers in Medicine as well as to Pharmaceutical Industry and Agriculture. It features 7 specialized chapters of MRSD and NIRS covering applications in proteins and biopolymers, food quality research and food safety applications; and medical applications, such as Down syndrome disorders of tooth, probing of brain oxygen, the role of CO2 in blood pressure and diagnosis of metastatic cancer. This book highlights the span of modern infrared spectroscopy.

Handbook of Near-Infrared Analysis

Updated and with approximately 25% new content, this textbook covers the latest developments, including instrumentation for microscopy and imaging, as well as current applications. The authors adopt a didactic approach, introducing infrared spectroscopy in a clear and well-structured way to provide students with a solid background in the principles and knowledge for efficiently using the method to obtain reliable results. Both beginners and experts will find up-to-date references for further reading. A must-have for advanced students (Master’s and PhD) as well as those wanting to learn how the method works and how to work with it, including scientists from private and governmental labs.

Near-Infrared Spectroscopy

Over the last few years, near-infrared (NIR) spectroscopy has rapidly developed into an important and extremely useful method of analysis. In fact, for certain research areas and applications, ranging from material science via chemistry to life sciences, it has become an indispensable tool because this fast and cost-effective type of spectroscopy provides qualitative and quantitative information not available from any other technique. This book offers a balanced overview of the fundamental theory and instrumentation of NIR spectroscopy in a readable and easy-to-read manner. This book on introducing the material is particularly useful for researchers in a subject who are not familiar with the topic. It presents in a clear and accessible way, the experimental and practical aspects of NIR spectroscopy, such as sample preparation and investigations of polymers, textiles, drugs, food, and animal feed. However, special topics, such as two-dimensional correlation analysis, are also covered in separate chapters. Written by eight experts in different fields, this book presents an introduction to the current state of developments and is valuable to spectroscopists and to practitioners applying NIR spectroscopy as a daily analytical tool.

Infrared Spectroscopy

Infrared spectroscopy is generally understood to mean the science of spectra relating to infrared radiation, namely electromagnetic waves, in the wavelength region occurring between visible light and microwaves. Measurements of infrared spectra have been providing useful information, for a variety of scientific research and industrial studies. This book is the result of several years of research experiments in silent infrared spectroscopy for only those who have no, or limited, experience in infrared spectroscopic measurements but are utilizing infrared-related methods for their research or in practical applications. Written by leading researchers and experienced practitioners, this book consists of 22 chapters and presents the basic theory, methodology and practical measurement methods, including FTIR, ATR, photoacoustic, IR imaging, NIR, 2D-COS, and VCD. The six Appendices will aid readers in understanding the concepts presented in the main text. Written in an easy-to-understand way this book is suitable for students, researchers and technicians working with infrared spectroscopy and related methods.

Bioluminiscence

Delving into Infrared Spectroscopy: Principles, Advances and Applications, and with basic knowledge of IR spectroscopy, will provide the reader with a synopsis of fundamentals and groundbreaking advances in this field. Readers will see a variety of MIR applications and difficulties encountered, especially in an industrial environment. Comprehensive coverage of infrared spectroscopy in biomedical diagnosis of obesity is shown. Challenges and solutions associated with VIS-NIR applications are shown through application of the technique in assessing quality parameters of fruits. Moreover, IR spectroscopic studies of radiation-stimulated processes, and the influence of using IR in developing an ideal catalyst and hence an efficient catalysis process, are discussed. The impact of coupling multivariate data analysis techniques to IR is shown in almost every chapter.

Introduction to Experimental Infrared Spectroscopy

Modern Techniques for Food Authentication, Second Edition presents a comprehensive review of the novel techniques available to authenticate food products, including various spectroscopic technologies, methods based on isocopic chromatography and other methodologies based on DNA, enzymatic analysis and electrophoresis. This new edition pinpoints research and development trends for those working in research, development and operations in the food industry, giving them readily accessible information on modern food authentication techniques to ensure a safe and authentic food supply. It will also serve as an essential reference source to undergraduate and postgraduate students, and for researchers in universities and research institutions. Presents emerging imaging techniques that have proven to be powerful, non-destructive tools for food authentication. Includes applications for spectral imaging to reflect the current trend of developments in food technology for each topic area.

Infrared Spectroscopy in Conservation Science

Infrared Spectroscopy for Food Quality Analysis and Control

Designed to serve as the first point of reference on the subject, Comprehensive Chemometrics presents an integrated summary of the present state of chemical and biochemical data analysis and manipulation. The work covers major areas ranging from statistics to data acquisition, analysis, and applications. This major reference work provides broad-ranging, validated summaries of the major topics in chemometrics—with chapter introductions and advanced reviews for each area. The level of material is appropriate for graduate students as well as active researchers seeking a ready reference on obtaining and analyzing scientific data. Features the contributions of leading experts in the 21 sections, under the guidance of the Editors-in-Chief and a team of specialist Section Editors: L. Baudry; D. Coomans; P. Van Espen; A. De Juan; J.H. Kallivas; B.K. Lavin; R. Leardi; R. Phan-Tan-Luu; L.A. Sarabia; and J. Trygg Examine the merits and limitations of each technique through practical examples and extensive visuals: 368 tables and more than 1,300 illustrations (750 in full color) Comprises coverage of chemical and biological methods, allowing readers to consider a test and range of techniques Consists of 2,200 pages and more than 90 review articles, making it the most comprehensive work of its kind. Offers print and online purchase options, the latter of which delivers flexibility, accessibility, and usability through the search tools and other productivity-enhancing features of ScienceDirect.

Infrared Spectroscopy

Infrared Spectroscopy in Conservation Science provides a basis for the establishment of cause-and-effect relationships between NIR spectrometer response and the chemical properties of the samples. Without established cause-effect relationships, the measured data has no predictive significance. This interpretive process is key for achieving an analytical understanding of the measurement. In the expanded second edition of Practical Guide and Spectral Atlas for Interactive Near-Infrared Spectroscopy, the authors include new research, editorials, supplements, and molecular structural formulas, along with updated references and information on NIR spectra. The thoroughly updated and revised second edition offers a full library of color spectra in a larger format to ensure clarity and reader comprehension. Providing a rich set of reference information required to interpret NIR spectra for research and industrial applications, this book offers more than 300 figures representing all the major functional groups and their NIR frequency ranges. Contains over 120 pages of tables and charts illustrating overlapping spectra Covers NIR spectra for organic compounds, including alkanes, carboxylic acids, amines, dienes, aldehydes, heterocyclic compounds, amino acids, and aldehydes Provides comprehensive appendices with spectra-structure correlations, example spectra, and other useful data for interpreting NIR spectra

Infrared Spectroscopy

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The present book is a definitive review in the field of Infrared (IR) and Near Infrared (NIR) Spectroscopies, which are powerful, non invasive imaging techniques. This book brings together chapters written by leading authorities in the area. The book provides a thorough overview of progress in the field of applications of IR and NIR spectroscopy in Materials Science, Engineering and Technology. Through a presentation of diverse applications, this book aims at bridging various disciplines and provides a platform for collaborations among scientists.

Vibrational Spectroscopy in Protein Research

The present book is a definitive review in the field of Infrared (IR) and Near Infrared (NIR) Spectroscopies, which are powerful, non invasive imaging techniques. This book brings together chapters written by leading authorities in the area. The book provides a thorough overview of progress in the field of applications of IR and NIR spectroscopy in Materials Science, Engineering and Technology. Through a presentation of diverse applications, this book aims at bridging various disciplines and provides a platform for collaborations among scientists.

Infrared Spectroscopy

Rapid, inexpensive, and easy-to-deploy, near-infrared (NIR) spectroscopy can be used to analyze samples of virtually any composition, origin, and condition. The Handbook of Near Infrared Analysis, Fourth Edition, explores the factors necessary to perform accurate and time- and cost-effective analyses across a growing spectrum of disciplines. This updated and expanded edition incorporates the latest advances in instrumentation, computerization, chemometrics applied to NIR spectroscopy, and method development in NIR spectroscopy. Each chapter introduces current trends in sample preparation, calibration transfer, process control, data analysis, instrument performance testing, and chemical identification. This work offers readers an unparalleled combination of theoretical foundations, cutting-edge applications, and practical experience. Additional features include: Explains how to perform accurate as well as time- and cost-effective analyses. Reviews software-enabled chemometric methods and other trends in data analysis. Highlights novel applications in pharmaceuticals, polymers, plastics, petrochemicals, foods and beverages, baked products, agricultural products, biomedicine, nutraceuticals, and counterfeit detection. Underscores current trends in sample preparation, calibration transfer, process control, data analysis, and multiple aspects of commercial NIR instrumentation. Offering the most complete single-source guide of its kind, the Handbook of Near Infrared Analysis, Fourth Edition, continues to offer practitioners in vivo and non-invasive analysis of proteins in biomedical and life science research more broadly.

Handbook of Near-Infrared Analysis, Third Edition

The most comprehensive resource available on the many applications of portable spectrometers, including material not found in any other published work Portable Spectroscopy and Spectrometry: Volume Two is an authoritative and up-to-date compendium of the diverse applications for portable spectrometers across numerous disciplines. Volume One focuses on specific technologies of the portable spectrometers themselves. Volume Two explores the use of portable instruments in wide ranges of fields, including pharmaceutical development, clinical research, food analysis, forensic science, geology, astrobiology, cultural heritage and archaeology. Volume Two features contributions by a multidisciplinary team of experts with hands-on experience using portable instruments in their respective areas of expertise. Organized both by instrumentation type and by scientific or technical discipline, 21 detailed chapters cover various applications of portable ion mobility spectrometry (IMS), infrared and near-infrared (NIR) spectroscopy, Raman and x-ray fluorescence (XRF) spectroscopy, smartphone spectroscopy, and many others. Filling a significant gap in literature on the subject, the second volume of Portable Spectroscopy and Spectrometry: Volume Two is an indispensable resource for developers of portable instruments in universities, research institutes, instrument companies, civilian and government purchasers, trainers, operators of portable instruments, and educators and students in portable spectroscopy courses.


Since the completion of the first edition of this book, major developments have occurred in the pharmaceutical industry that have shaped the field of near-infrared (NIR) spectroscopy. The original intent of the book was to provide chemists and spectroscopists with a practical guide and spectral atlas for interpreting near-infrared spectra. This second edition reflects these developments and brings readers an up-to-date summary of how this technique is being applied to pharmaceutical manufacturing. This book is perfect for practicing chemists and spectroscopists.

NIR Spectroscopy: Volume Two

This book includes the latest outcomes produced by a broad range of NIRIS research with activation of prefrontal cortex, from methodological one to clinical one, providing a forum for scientists planning functional studies of prefrontal brain activation. Reading this book, one will find the possibility that NIRIS could replace fMRI in the near future, and realize that even our aesthetic feeling is measurable. This will serve as a reference repository of knowledge from these fields as well as a conduit of information from leading researchers. In addition it offers an extensive cross-referencing system that will facilitate search and retrieval of information about NIRIS measurements in activation studies.
infrared absorption theory, IR instrumentation, analysis methods, sample collection and preparation, and spectra interpretation. The authors cite several case studies, such as examinations of Chumash Indian paints and the Dead Sea Scrolls. The Institute’s Tools for Conservation series provides practical scientific procedures and methodologies for the practice of conservation. The series is specifically directed to conservationists, scientists, and technical experts in related fields.

**Pharmaceutical and Medical Applications of Near-Infrared Spectroscopy, Second Edition**

With contributions from over 40 experts in the field, this reference presents comprehensive, single-source coverage of the instrumentation, computerization, calibration, and methods development of NIR spectroscopy. It offers novel applications for accurate time- and cost-effective analyses of pharmaceuticals, polymers, textiles, agricultural products, foods, and beverages. Emphasizing trends in sample preparation, the book covers historical development, calibration transfer, biomedical applications, plastics, and counterfeiting; on-line, in-line, and at-line analyses for process control, multilinear regression and principal component analysis, and more.

**Language Disorders from Infancy Through Adolescence - E-Book**

Provides an introduction to those needing to use infrared spectroscopy for the first time, explaining the fundamental aspects of this technique, how to obtain a spectrum and how to interpret the resulting data in a wide range of applications. Includes practical advice and sampling techniques. Covers biological and industrial applications. Includes suitable questions and problems in each chapter to assist in the analysis and interpretation of representative infrared spectra Part of the ANTS (Analytical Techniques in the Sciences) Series.

**Photobiomodulation in the Brain: Low-Level Laser (Light) Therapy in Neurology and Neuroscience**

Presents the fundamentals of photobiomodulation and the diversity of applications. Discusses which light can be implemented in providing basic foundations for future research in the area. It will serve as a reference for future studies in the field.

**Comprehensive Chemometrics**

Written by an international panel of professional and academic peers, the book provides the engineer and technologist working in research, development and operations in the food industry with a concise overview of accessible information on the art and science of infrared spectroscopy technology. The book should also serve as an essential reference source to undergraduate and postgraduate students and researchers in universities and research institutions. Infrared (IR) Spectroscopy deals with the infrared part of the electromagnetic spectrum. It measure the absorption of different IR frequencies by a sample positioned in the path of an IR beam. Currently, infrared spectroscopy is one of the most common spectroscopic techniques used in the food industry. With the rapid development in infrared spectroscopic instrumentation software and hardware, the application of this technique has expanded into many areas of food research. It has become a powerful, fast, and non-destructive tool for food quality analysis and control. Infrared Spectroscopy for Food Quality Analysis and Control reflects this rapid technology development. The book is divided into two parts. Part I addresses principles and instruments, including theory, data treatment techniques, and infrared spectroscopy instruments. Part II covers the application of IRIS in quality analysis and control for various foods including meat and meat products, fish and related products, and others. "Explores this rapidly developing, powerful and fast non-destructive tool for food quality analysis and control" Presented in two Parts – Principles and Instruments, including theory, data treatment techniques, and instruments, and Application in Quality Analysis and Control for various foods making it valuable for understanding and application. "Fills a need for a comprehensive resource on this area that includes coverage of NIR and MVA.

**Developments in Near-Infrared Spectroscopy**

This third edition of the Encyclopedia of Spectroscopy and Spectrometry provides authoritative and comprehensive coverage of all aspects of spectroscopy and closely related subjects that use the same fundamental principles, including mass spectrometry, imaging techniques and applications. It includes the history, theoretical background, details of instrumentation and technology, and current applications of the major areas of spectroscopy. The new edition will include over 80 new articles across the field. These will complement those from the previous edition, which have been brought up-to-date to reflect the latest trends in the field. Coverage in the third edition includes: Atomic absorption spectrometry; Atomic emission spectrometry; Electronic spectroscopy; Fundamentals in spectroscopy; High-Energy spectroscopy; Magnetic resonance; Mass spectrometry; Spatially-resolved spectroscopic analysis; Vibrational, rotational and Raman spectroscopies. The new edition is aimed at professional scientists seeking to familiarize themselves with particular topics quickly and comprehensively.

**Photobiomodulation in the Brain**

Photobiomodulation in the Brain: Low-Level Laser (Light) Therapy in Neurology and Neuroscience presents the fundamentals of photobiomodulation and the diversity of applications. Discusses which light can be implemented in providing basic foundations for future research in the area. It will serve as a reference for future studies in the field.

**Portable Spectroscopy and Spectrometry, Applications**

Written by an international panel of professional and academic peers, the book provides the engineer and technologist working in research, development and operations in the food industry with a concise overview of accessible information on the art and science of infrared spectroscopy technology. The book should also serve as an essential reference source to undergraduate and postgraduate students and researchers in universities and research institutions. Infrared (IR) Spectroscopy deals with the infrared part of the electromagnetic spectrum. It measure the absorption of different IR frequencies by a sample positioned in the path of an IR beam. Currently, infrared spectroscopy is one of the most common spectroscopic techniques used in the food industry. With the rapid development in infrared spectroscopic instrumentation software and hardware, the application of this technique has expanded into many areas of food research. It has become a powerful, fast, and non-destructive tool for food quality analysis and control. Infrared Spectroscopy for Food Quality Analysis and Control reflects this rapid technology development. The book is divided into two parts. Part I addresses principles and instruments, including theory, data treatment techniques, and infrared spectroscopy instruments. Part II covers the application of IRIS in quality analysis and control for various foods including meat and meat products, fish and related products, and others. "Explores this rapidly developing, powerful and fast non-destructive tool for food quality analysis and control" Presented in two Parts – Principles and Instruments, including theory, data treatment techniques, and instruments, and Application in Quality Analysis and Control for various foods making it valuable for understanding and application. "Fills a need for a comprehensive resource on this area that includes coverage of NIR and MVA.

**Introduction to EEG- and Speech-Based Emotion Recognition**

In keeping with the style of the Handbook of Modern Biophysics, this fourth volume, Application of Near-Infrared Spectroscopy in Biomedicine, balances the need for physical science/mathematics formalism with a demand for biomedical perspectives. Each chapter divides the presentation into two major parts: the first establishes the conceptual framework and describes the instrumentation or technique, while the second illustrates current applications in addressing complex biology questions. With the additional sections on further reading, problems, and references, the interested reader can explore many chapter ideas more widely.

**Essentials of Neuroanesthesia**

This reference gives food science professionals a working understanding of near-infrared spectroscopy (NIRS) and its role in maximizing food potential. It explains the technical aspects of NIRS, including: basic principles; characteristics of the NIR spectra; instrumentation; sampling techniques; and chemometrics. The book details applications of NIRS in agricultural and marine products, foodstuffs and processed foods, engineering and process monitoring, and food safety and disease diagnosis.

**Photobiomodulation in the Brain**

The aim of this book is to present a range of analytical methods that can be used in formulation design and development and focus on how these systems can be applied to understanding drug delivery devices and the dosage form that they build. To effectively design and exploit drug delivery systems, the underlying characteristic of a dosage form must be understood—the characteristics of the individual formulation components, to how they act and interact within the formulation, and finally, to how this formulation responds in different biological environments. To achieve this, there is a wide range of analytical techniques that can be adopted to understand and elucidate the mechanics of drug delivery. Such methodologies include: g. spectroscopic analysis, surface analytical techniques, particle size analysis, rheological techniques, methods to characterize drug stability and release, and biological analysis in appropriate cell and animal models. Whilst each of these methods can encompass a full research area in their own right, formulation scientists must be able to effectively apply these methods to the delivery system they are considering. The information in this book is designed to support researchers in their ability to fully characterize and analyze the range of delivery systems, using an appropriate selection of analytical techniques. Due to its consideration of regulatory approval, this book will also be suitable for industrial researchers both at early stage up to pre-clinical research.

**Near-Infrared Spectroscopy (NIRS) in Functional Research of Prefrontal Cortex**

Over the past few decades, exciting developments have taken place in the field of near-infrared spectroscopy (NIRS). This has been enabled by the advent of robust Fourier transform interferometers and diode array solutions, coupled with complex data analysis methods that can easily be executed using modern microprocessors. The present...
edited volume intends to cover recent developments in NIRS and provide a broad perspective of some of the challenges that characterize the field. The volume comprises six
chapters overall and covers several sectors. The target audience for this book includes engineers, practitioners, and researchers involved in NIRS system design and utilization
in different applications. We believe that they will greatly benefit from the timely and accurate information provided in this work.

**Advances in Near Infrared Spectroscopy and Related Computational Methods**

Fast, inexpensive, and easy-to-use, near-infrared (NIR) spectroscopy can be used to analyze small samples of virtually any composition. The Handbook of Near Infrared
Analysis, Third Edition explains how to perform accurate as well as time- and cost-effective analyses across a growing spectrum of disciplines. Presenting nearly 50% new and
revised material, this thoroughly updated edition incorporates the latest advances in instrumentation, computerization, calibration, and method development in NIR
spectroscopy. The book underscores current trends in sample preparation, calibration transfer, process control, data analysis, and commercial NIR instrumentation. New
chapters highlight novel applications including the analysis of agro-forestry products, polymers, blood, and control serum. They also cover NIR spectra, process analytical
technologies (PAT), quantitative and qualitative analyses for nutraceuticals, NIR photography uses in medicine, and counterfeit detection methods for pharmaceuticals and
currency. Offering the most complete single-source guide of its kind, the Handbook of Near Infrared Analysis, Third Edition continues to offer practicing chemists and
spectroscopists an unparalleled combination of theoretical foundations, cutting-edge applications, and practical experience provided firsthand by more than 60 experts in the
field.

**Encyclopedia of Spectroscopy and Spectrometry**

This book presents a cross-section of the most recent developments in near infrared spectroscopy. Applications, spectroscopic theory, chemometrics and instrumentation are
all covered. The variety of contributors is a striking reflection of the broad range of applications of this technique. Workers in agriculture, food science, medicine, life sciences,
pharmaceuticals, textiles, general chemicals and polymers have all contributed the latest developments from their fields. The book is essential reading for workers in NIRS
spectroscopy and will greatly benefit those considering implementing NIR in their work.