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Instrumental Methods for the Analysis of Bioactive Molecules (Hardback)

By -

Oxford University Press Inc, United States, 2016. Hardback. Condition: New. Language: English . Brand New Book. The main purpose of this book is to discuss cutting-edge research techniques in the field of biologically active compounds derived from plants and foods, and in particular to describe advanced instrumental methods for the identification and quantification of these important compounds. Natural products are used worldwide to prevent and treat various diseases. The efficacy and safety of natural products require the development and application of reliable analytical methods to regulate and control usage. Because of their complex chemical compositions, natural products often require separation techniques for reliable analysis of their constituents. This book provides an integrated approach to address the separation, identification, quantification and chemistry of natural products for their analysis through various instrumental analyses. This book is divided into four sections: 1) Sample Preparation, Separation and Identification 2) Identification by LC-MS and LC-NMR 3) Identification by GC, GC-MS, LC-GC and Spectroscopic Methods and 4). Metabolomic Fingerprinting. The first section covers sample preparation, extraction and rapid flash separation techniques, rapid LC analysis with bioassays and hyphenations to identify active constituents. The second section covers chromatographic separation by LC for active constituents, identification by mass...



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Reviews

A very wonderful book with lucid and perfect answers. It is probably the most incredible book i have study. Its been designed in an exceptionally simple way and is particularly just after i finished reading through this publication by which in fact transformed me, alter the way in my opinion.

-- **Macey Schneider**

The very best book i at any time read. It generally does not price an excessive amount of. I discovered this publication from my dad and i recommended this book to understand.

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