

CRC Handbook of Chromatography: Amino Acids and Amines. Volume 1

Stanley Blackburn

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Tropical Archaeobotany fills the need for a substantial reference work on plant remains from the tropics It covers the

examination identification and interpretation of plant remains in tropical archaeology whilst also the origins spread investigating the origins spread distribution and past use of tropical plants for food and other purposes Recent technological developments in electron microscopy and biochemical and genetic research as well as increased interest in tropical environments and ecosystems are now beginning to realise the great potential for archaeobotanical research in the tropics With the use of case studies from a wide range of areas this volume details the latest macroscopic microscopic and chemical techniques for the analysis of plant remains from seeds roots and tubers to epidermal fragments pollen and phytoliths Each chapter of Tropical Archaeobotany focuses on a different aspect of archaeobotanical research using detailed examples from a variety of tropical areas though with its emphasis on techniques and methodology the book has a relevance beyond the regional scope of each chapter

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CRC Handbook of Basic Tables for Chemical Analysis Thomas J. Bruno, Paris D.N.

Svoronos, 2003-12-29 If you are a researcher in organic chemistry chemical engineering pharmaceutical science forensics or environmental science you make routine use of chemical analysis And like its best selling predecessor was the Handbook of Basic Tables for Chemical Analysis Second Edition is your one stop source for the information needed to design chemical

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Thin-layer Chromatography Bernard Fried, Joseph Sherma, 1994 This title discusses all phases of thin layer chromatography TLC including the preparation of biological samples prior to TLC general practices of TLC and applications based on compound types Stresses practical rather than theoretical aspects of TLC compares modern TLC with other separation methods contains extensive coverage of sample preparation methods surveys the latest instrumentation for high performance and overpressured TLC covers current principles and techniques and more

Art and Archaeology Technical Abstracts, 1986 Amino Acids, 1984 Handbooks and Tables in Science and Technology Russell

Powell, 1994-08-15 The bibliography covers physics chemistry engineering mathematics astronomy biology geology agriculture medicine environment energy equations manufacturing materials measurement carcinogens and pesticides

Chemistry of Natural Products Sujata V. Bhat, B.A. Nagasampagi, Meenakshi Sivakumar, 2005-01-04 During the last few decades research into natural products has advanced tremendously thanks to contributions from the fields of chemistry

life sciences food science and material sciences Comparisons of natural products from microorganisms lower eukaryotes animals higher plants and marine organisms are now well documented This book provides an easy to read overview of natural products It includes twelve chapters covering most of the aspects of natural products chemistry Each chapter covers general introduction nomenclature occurrence isolation detection structure elucidation both by degradation and spectroscopic techniques biosynthesis synthesis biological activity and commercial applications if any of the compounds mentioned in each topic Therefore it will be useful for students other researchers and industry The introduction to each chapter is brief and attempts only to supply general knowledge in the particular field Furthermore at the end of each chapter there is a list of recommended books for additional study and a list of relevant questions for practice

Soil Organic Matter and Biological Activity D. Vaughan, R.E. Malcolm, 2012-12-06 It has long been recognized that soil organic matter is the key to soil fertility As a nutrient store it gradually provides essential elements which the soil cannot retain for long in inorganic form It buffers growing plants against sudden changes in their chemical environment and preserves moisture in times of drought It keeps the soil in a friable easily penetrated physical condition well aerated and free draining providing young seedlings with an excellent medium for growth But it has another property the nature and extent of which have been the subject of argument and controversy ever since scientists began to study the soil and that is its ability to affect growth directly other than by providing nutrient elements Any one wishing to learn about these effects has been faced with a daunting mass of literature some confusing often contradictory and spread through a multitude of journals Individual aspects have been covered from time to time in reviews but there has obviously been a need for a modern authoritative text book dealing with the many facets of this subject so the publication of this volume is timely The editors and authors are all specialists in their fields fully familiar with the complex nature of soil organic matter and with the particular difficulties arising in any study of its properties Where controversies exist they have presented all sides of the argument and have highlighted areas where further work is badly needed

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