



## Essentials of Botanical Extraction: Principles and Applications (Paperback)

By Subhash C Mandal, Vivekananda Mandal, Anup Kumar Das

Elsevier Science Publishing Co Inc, United States, 2015.  
 Paperback. Book Condition: New. 228 x 152 mm. Language: English . Brand New Book. Essentials of Botanical Extraction: Principles and Applications provides a unique, single source of valuable information on the various botanical extraction methods available, from conventional to the use of green and modern extraction technologies including ultrasounds, microwaves, pressurized liquids, and supercritical fluids. Most extracts obtained from botanicals are often poorly characterized with unidentified active or inactive constituents. A wise selection of an extraction strategy is vital to drug discovery from medicinal plants as extraction forms the basic first step in medicinal plant research. This book also explores the mathematical hypotheses and innovations in botanical extractions and analyzes different post extraction operations so that dependency on serendipity is reduced and the same be converted into programmed drug discovery. \* Reviews the history and current state of natural product drug discovery and development, highlighting successes and current issues\* Explains the application of chemometric tools in extraction process design and method development\* Introduces process intensification as applied to the processing of medicinal plant extracts for rapid and cost-effective extraction.



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