



Agilent 1260 Hplc User Manual

**Zhihua Liao, Lei Zhang, Felipe A.
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Agilent 1260 Hplc User Manual:

The HPLC Expert II Stavros Kromidas, 2017-04-10 How can I use my HPLC UHPLC equipment in an optimal way where are the limitations of the technique These questions are discussed in detail in the sequel of the successful HPLC Expert in twelve chapters written by experts in the respective fields The topics encompass complementary to the first volume typical HPLC users problems and questions such as gradient optimization and hyphenated techniques LC MS An important key aspect of the book is UHPLC For which analytical problem is it essential what should be considered Besides presentation of latest developments directly from the main manufacturers also UHPLC users and independent service engineers impart their knowledge Consistent with the target groups the level is advanced but the emphasis is on practical applications

Optimization in HPLC Stavros Kromidas, 2021-11-08 Learn to maximize the performance of your HPLC or UHPLC system with this resource from leading experts in the field Optimization in HPLC Concepts and Strategies delivers tried and tested strategies for optimizing the performance of HPLC and UHPLC systems for a wide variety of analytical tasks The book explains how to optimize the different HPLC operation modes for a range of analyses including small molecules chiral substances and biomolecules It also shows readers when and how computational tools may be used to optimize performance The practice oriented text describes common challenges faced by users and developers of HPLC and UHPLC systems as well as how those challenges can be overcome Written for first time and experienced users of HPLC technology and keeping pace with recent developments in HPLC instrumentation and operation modes this comprehensive guide leaves few questions unanswered Readers will also benefit from the inclusion of A thorough introduction to optimization strategies for different modes and uses of HPLC including working under regulatory constraints An exploration of computer aided HPLC optimization including ChromSwordAuto and Fusion QbD A treatment of current challenges for HPLC users in industry as well as large and small analytical service providers Discussions of current challenges for HPLC equipment suppliers Tailor made for analytical chemists chromatographers pharmacologists toxicologists and lab technicians Optimization in HPLC Concepts and Strategies will also earn a place on the shelves of analytical laboratories in academia and industry who seek a one stop reference for optimizing the performance of HPLC systems

Systems Biology and Bioinformatics in Gastroenterology and Hepatology Steven Dooley, Kai Breuhahn, Andreas Teufel, 2020-01-03 70th AACC Annual Scientific Meeting American Association for Clinical Chemistry, 2018-07-11

Exploring Plant Rhizosphere, Phyllosphere and Endosphere Microbial Communities to Improve the Management of Polluted Sites Michel Chalot, Markus Puschenreiter, 2022-01-11 *Plant Specialized Metabolism for Plant Protection: Genomics and Biotechnology* Zhihua Liao, Lei Zhang, Felipe A. Vázquez-Flota, 2022-12-06 **Soil microbiome community and functional succession mechanism driven by different factors in agricultural ecology** Bin Huang, Bruno Tilocca, Qin Gu, Wensheng Fang, 2023-09-29 *Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin* N. Thajuddin, A. Sankara

narayanan,D. Dhanasekaran,2023-12-18 This protocol book provides detailed procedures for the isolation of cyanobacteria extraction quantification and detection of cyanotoxins It illustrates the sampling and processing of toxin producing cyanobacteria in water and aquatic animal samples detection of cyanotoxins from Anabaena Anabaenopsis Cylindrospermopsis Microsystis Microcystis Nodularia Nostoc Schizotrix Lyngbya Raphidiopsis Oscillatoria Planktothrix in aquatic resources It also covers toxicity analysis by various bioassay protocols and in vitro and insilico analysis methods The book also reviews the methods for cyanotoxin extraction detection and quantification by various tools including LC MS MS HPLC NMR PCR and HESI MS MS A separate section is dedicated to the advanced methods in Cyanotoxin analysis including the Molecular Imprinting Method MIM Cellular signaling biosensor Electrochemical sensor Nanosensors and screening of Polyketide synthase gene The analysis of various toxin producing genes like sxtA and mcy is also accounted for in this book In a nutshell the book gives comprehensive procedures about the basics and preliminary processes that are involved in sample collection to advanced methods incorporated into the well explored and unexplored Cyanobacterial toxin Consequently this manual is useful for both beginners and advanced researchers including postgraduate students academicians researchers and scientists in the field of Cyanobacterial research *Insights in Systems Microbiology: 2021* George Tsiamis,Qi

Zhao,2022-10-06 ENERGY, ENVIRONMENTAL and SUSTAINABLE ECOSYSTEM DEVELOPMENT - INTERNATIONAL CONFERENCE on ENERGY, ENVIRONMENTAL and SUSTAINABLE ECOSYSTEM DEVELOPMENT (EESD 2015) Jamal

KHATIB,2015-12-02 In the rapid development of global economics energy environmental ecosystem are recognized as important factors for sustainable development in human society The application of measurement and control technology also play a very important role in the utilization and protection of energy and the environment 2015 International Conference on Energy Environmental Sustainable Ecosystem Development EESD 2015 is a multidisciplinary international conference that provides a platform for scientists engineers and researchers worldwide to share their ideas and present solutions to energy environmental sustainable ecosystem development issues **Energy, Environmental & Sustainable Ecosystem**

Development - International Conference On Energy, Environmental & Sustainable Ecosystem Development (Eesed 2015) Jamal Khatib,2015-12-02 In the rapid development of global economics energy environmental ecosystem are recognized as important factors for sustainable development in human society The application of measurement and control technology also play a very important role in the utilization and protection of energy and the environment 2015 International Conference on Energy Environmental Sustainable Ecosystem Development EESD 2015 is a multidisciplinary international conference that provides a platform for scientists engineers and researchers worldwide to share their ideas and present solutions to energy environmental sustainable ecosystem development issues **Advances in Chemical Analysis**

Procedures (Part I) Marcello Locatelli,Victoria Samanidou,Angela Tartaglia,Dora Melucci,Abuzar Kabir,Halil Ibrahim Ulusoy ,2020-12-02 The availability and the development of innovative approaches to quantitative analyses and the data

processing are often mandatory to deeply characterize a sample and to correctly highlight the analytical target. These objectives are carried out either by simply improving a single aspect of the analytical protocol or by developing a synergy of steps from extraction to instrumental configuration to chemometric approaches to obtain the maximum analytical information sought. Examples are innovative extraction protocols also following the recent guidelines on green analytical chemistry or new materials for the selective extraction of target compounds, multi-analytes screening methods and untargeted approaches for food applications. In this text, the various articles are attributable to these elements; in particular, we start with a multi-analyte method for the determination of 10 different cannabinoids from *Cannabis sativa* L. by means of conventional techniques (Mandrioli and coworkers) to then see the application of techniques hyphenated ultra fast by UPLC-MS for the authentication of food products (Xue and coworkers). The work of Song and coworkers on these applications in food products is also interesting as it highlights how the collection process and the timing of this passage can affect the chemical profile and consequently the biological activity of *Panax ginseng*. Mocan and coworkers, applying an innovative extraction technique based on microwaves and applying well-known robust and easy-to-use instrumentation, have demonstrated how it is possible to discriminate between various species of *Galium* and how the chemical profiles obtained can support the biological activities observed. Similarly, but with the aim of developing new sample pretreatment procedures, Maggira and collaborators have developed graphene oxide-based materials for the selective extraction of sulfonamides in milk. Shen and coworkers apply a different type of approach, the untargeted one, for the geographical characterization of *Gentian rigescens*, for which they combine chemometric techniques for the processing of raw chemical profile data. Wang and coworkers report a multiclass screening of drugs with high-resolution mass spectrometry through which they manage to obtain a high-scale fast screening method for pesticides in fishery drugs based on ultrahigh performance liquid chromatography tandem quadrupole orbitrap high-resolution mass spectrometer.

Novel Approaches to Minimising Mycotoxin Contamination Mar Rodríguez Jovita, Félix Núñez, 2020-05-22

Contamination of foods and agricultural commodities by various types of toxigenic fungi is a concerning issue for human and animal health. Moulds naturally present in foods can produce mycotoxins and contaminate foodstuffs under favourable conditions of temperature, relative humidity, pH and nutrient availability. Mycotoxins are, in general, stable molecules that are difficult to remove from foods once they have been produced. Therefore, the prevention of mycotoxin contamination is one of the main goals of the agriculture and food industries. Chemical control or decontamination techniques may be quite efficient; however, the more sustainable and restricted use of fungicides, the lack of efficiency in some foods and the consumer demand for chemical residue-free foods require new approaches to control this hazard. Therefore, food safety demands continued research efforts for exploring new strategies to reduce mycotoxin contamination. This Special Issue contains original contributions and reviews that advance the knowledge about the most current promising approaches to minimize mycotoxin contamination, including biological control agents, phytochemical

antifungal compounds enzyme detoxification and the use of novel technologies *Laboratory Methods in Microfluidics* Basant Giri, 2017-05-15 *Laboratory Methods in Microfluidics* features a range of lab methods and techniques necessary to fully understand microfluidic technology applications Microfluidics deals with the manipulation of small volumes of fluids at sub millimeter scale domain channels This exciting new field is becoming an increasingly popular subject both for research and education in various disciplines of science including chemistry chemical engineering and environmental science The unique properties of microfluidic technologies such as rapid sample processing and precise control of fluids in assay have made them attractive candidates to replace traditional experimental approaches Practical for students instructors and researchers this book provides a much needed comprehensive new laboratory reference in this rapidly growing and exciting new field of research Provides a number of detailed methods and instructions for experiments in microfluidics Features an appendix that highlights several standard laboratory techniques including reagent preparation plus a list of materials vendors for quick reference Authored by a microfluidics expert with nearly a decade of research on the subject

Macromolecular Structure Underlying Recognition in Innate Immunity Uttara SenGupta, Uday Kishore, Maha Ahmed Al-Mozaini, 2018-07-09 **Research Advances of Modification and Nutrition Properties of Food Carbohydrates, volume I** Yanjun Zhang, Jianhua Xie, Bin Li, Srinivas Janaswamy, 2023-10-20 As a group of important biopolymers carbohydrates exist widely in living organisms and play many known and unknown biological roles in life activities via different pathways Traditionally carbohydrate polymers e g starch pectin polysaccharide and dietary fiber are widely applied in industrial applications e g pharmaceuticals food stuff biofuels and biomaterials and a growing understanding and deeper investigation of food carbohydrate are driving the development of natural carbohydrate for novel applications especially for the treatment of chronic diseases e g hyperlipidemia obesity and diabetes In recent years the gut microbiota has been considered an important organ and plays a critical role in host health and diseases and emerging evidence indicates that food carbohydrates are effective for the modulation of gut microbiota In addition the modification of carbohydrate polymers could alter or enhance their nutrition properties which may extend their applications Notably the nutrition properties of carbohydrate polymers are dependent on their chemical structures and chain conformations and thus the structural identification of carbohydrate polymers and their derivatives is helpful for their development and application in the food and pharmaceutical fields **Microbial Community Modeling: Prediction of Microbial Interactions and Community Dynamics** Hyun-Seob Song, 2018-07-04 This book is a printed edition of the Special Issue Microbial Community Modeling Prediction of Microbial Interactions and Community Dynamics that was published in *Processes* **Actinobacteria and Myxobacteria** Joachim Wink, 2020-12-15 Bacterial infections cause millions of deaths globally particularly in children and the elderly and four of the 10 leading causes of death are infectious diseases in low and middle income countries The continuous use of antibiotics has resulted in multi resistant bacterial strains all over the world such as Community associated

Methicillin resistant *Staphylococcus aureus* MRSA extended spectrum lactamases ESBLs and as expected hospitals have become breeding grounds for human associated microorganisms especially in critical care units

Mycotoxins Study

Cristina Juan García, 2021-09-07 The evaluation of the presence of mycotoxins in different matrices is achieved through different analytical tools including quantitative or qualitative determinations Studies of mycotoxin isolation using chromatography equipment coupled to spectrometry detectors QTrap MS MS MS MS tandem QTOF MS MS are the most useful tools to control their presence All these studies represent key steps in the establishment of the limits of detection limits of quantification points of identification accuracy reproducibility and repeatability of different procedures The maximum permitted or recommended levels for mycotoxins in different matrices are within a wide range including the levels tolerated by infants and animals In addition decontaminated strategies as well as control and evaluation of exposure are demanded by authorities and food safety systems These authorities are not only concerned with the determination of mycotoxin presence but also with the toxicological effects of mycotoxins and in vivo or in vitro assays are necessary for a complete evaluation In fact these assays are the basis for the control and prevention of population exposure to mycotoxins in dietary exposure studies The most recent surveys focused on regulated mycotoxins aflatoxins fumonisins trichothecenes and zearalenones and emerging toxins such as enniatins and beauvericin in adult consumers while very few studies have monitored mycotoxin levels in infant products This Book of Toxins comprises 11 original contributions and one review New findings regarding presence of mycotoxins in aromatic and medicinal plants mango and orange juice juices pulps jams and beer from Morocco Pakistan and Portugal are reported In these studies innovative techniques to study their presence has been developed including liquid chromatography coupled with time of flight mass spectrometry to analyse mycotoxins and conjugated mycotoxins Novel strategies to detect mycotoxin presence and comparisons the characteristics of a rapid quantitative analysis of different mycotoxins deoxynivalenol ochratoxin A patulin sterigmatocystin and zearalenone are also presented using acetyl and butyrylcholinesterases and photobacterial strains of luminescent cells Additionally toxicological effects of zearalenone metabolites and beauvericin on SH SY5Y neuronal cells are presented One important point in the control of mycotoxins is related to decontaminated strategies and in this sense the efficacy of potentially probiotic fruit derived *Lactobacillus* isolates in removing aflatoxin M1 AFM1 is presented Other mycotoxin decontaminated techniques included in this book are electron beam irradiation EBI and degradation of zearalenone and ochratoxin A using ozone Finally a review that summarizes the newly discovered macrocyclic trichothecenes and their bioactivities over the last decade is included

ABSTRACT BOOK of I. INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, Dear Academicians Readers and Educators We are pleased to present the issue of the International Journal of Secondary Metabolite as a special issue entitled I International Congress on Medicinal and Aromatic Plants Natural And Healthy Life This special issue contains some of scientific studies presented in the congress Hosting the I International Medical and

Aromatic Plant Congress held in Konya on 9-12 May 2017 by the cooperation of the Ministry of Forestry and Water Affairs General Directorate of Forestry and Necmettin Erbakan University was a great honor for us. The total number of abstract submission for the congress was 1923. After the scientific evaluation, 85 abstracts were rejected and 244 abstracts were withdrawn. As a result, a total of 1594 abstracts were accepted for presentation: 280 of them as oral presentation and 1314 as poster presentation. 2604 authors were contributed and 1543 participants were participated to the congress. The studies presented in the congress were electronically shared in terms of accessibility. The authors of 220 papers presented in the congress submitted to the International Journal of Secondary Metabolite for publication; 70 of them were published and 150 full papers were rejected due to revision deadline reviewing process etc. after reviewing process. I would like to special thank to the Journal founder for publishing and also to the editor, editorial board and authors for contributing this issue. Best regards, Dr. Muzaffer EKER, Rector of Necmettin Erbakan University. TC Orman ve Su İşleri Bakanlığı Orman Genel Müdürlüğü ve Necmettin Erbakan Üniversitesi paydaşlarında Necmettin Erbakan Üniversitesi evsahipliğinde 9-12 Mayıs 2017 tarihlerinde Konya'da gerçekleştirilen Uluslararası Tıbbi ve Aromatik Bitkiler Kongresi'nin ağırlık programı Orman ve Su İşleri Bakanlığı Sayın Prof. Dr. Veysel Eroğlu Sağlık Bakanlığı Prof. Dr. Recep Akdağ Milletvekilleri Konya Valisi Yakup Canbolat Konya Büyükşehir Belediye Başkanı Tahir Akyrek Afyon Kocatepe Üniversitesi Rektörü Prof. Dr. Mustafa Solak Necmettin Erbakan Üniversitesi Rektörü Prof. Dr. Muzaffer Eker Orman Genel Müdürü Dekanlar Akademisyenler Daire Başkanları Renciler ve Sektörde faaliyet gösteren insanları katılmaya teşvik edilmiştir. Kongre son yıllarda yapılan en geniş katılımlı bilimsel organizasyon olmasıyla birlikte tıbbi ve aromatik bitkilerin dahil olduğu pek çok alandan tanınmış ve seçkin akademisyenler katılmıştır. Davetli Konu macı olarak kongreye katılan Mauritius Üniversitesi'nden Vidushi Neergheen Bhujun Handong Global Üniversitesi'nden Jong Bae Kim Malezya'dan ve Ege Üniversitesi'nden emekli Prof. Dr. Münir Zeynep Yeditepe Üniversitesi'nden Prof. Dr. Erdem Yelilada Sebahattin Zaim Üniversitesi'nden Prof. Dr. Adem Elgün T.B.TAK Marmara Araştırma Merkezi'nden Prof. Dr. Cesarettin Alalvar Hacettepe Üniversitesi'nden Prof. Dr. Rem Tatlı Ankara ve Cumhurbaşkanlığı Prof. Dr. İbrahim Adnan Saraoğlu bunlar arasında sayılabilir. Kongrede geçen boyunca yedi ayrı salonda ağırlıklı olarak poster bildiriler sunulmuş ve yoğun katılımla gürültüden tıbbi Bitki Aromatik Bitki ve Mantar retimi Tıbbi ve Aromatik Bitkisel ürün Sanayi Fonksiyonel Gıdalar Bitkisel yağlar ve Nutrasitkiler Tıbbi Kozmetik ürünler Aromatik Bitkiler ve Ucu Yağlar Farmakoloji Farmakognosi Toksikoloji Farmakovijilans Tıbbi Bitki ürünleri Korunması ve Etnobotanik Tıbbi ve Aromatik Bitkilerde Antropoloji Sosyo Ekonomi Kiltür ve Etik Tıbbi ve Aromatik Bitkilerin Akademi Kullanımı Kongrede sunulmuş sunular Lokman Hekim Farabi binisi Sina Akemsettin Mevlana ve Balo Salonlarında poster sunular ise Poster Salonunda gerçekleştirilmiştir. Kongre sonrasında Selva Redoks Tales Analitik Dr. Mustafa Mahmut Cahit Yılmaz Sem Yapılcan Biosan firmaları ile Orman Su İşleri Bakanlığı Konya Büyükşehir Belediyesi Park ve Bahçeler Daire Başkanlığı NEĞDA Mhendisliği BİME NE Sağlık Bilimleri Fakültesine ait stantlarda tıbbi ve aromatik bitkilerle ilgili ürün ve yayın tanıtımları gerçekleştirilmiştir. Orman Genel Müdürlüğü kongreye dâhil fotoğraflar sergisi ile renk katılmıştır. Kongremizin d

zenlenmesinde 12 Y r tme Kurulu 24 yerli 25 yabanc olmak zere 49 Bilim Kurulu ve 11 Dan ma Kurulu yesi g rev yapm t r Kongremize toplam 1543 kat l mc ba vurmu olup kat l mc lar i erisinde 520 retim eleman 483 retim yesi 429 renci ve 111 sekt r temsilcisi dinleyici yer alm t r Kongremize 524 bay kat l mc 1019 bayan kat l mc ba vurmu tur Kongreye bildiri g nderen 2604 yazardan 382 adeti ziraat 321 adeti g da 311 adeti orman 270 adeti m hendislik 225 adeti sa l k 161 adeti diyetisyenlik 157 adeti veterinerlik 145 adeti farmakoloji 104 adeti eczac l k 37 adeti di hekimli i ve 491 adeti kozmetik peyzaj sosyal k lt rel vb di er alanlarda al t belirlenmi tir Kongreye toplam bildiri ba vurusu 1923 adet olup bilimsel de erlendirme sonucu 85 adeti reddedilmi 244 adet bildiri geri ekilmi tir Sonu olarak 280 bildiri s zl bildiri olarak ve 1314 bildiri poster bildiri olmak zere toplam 1594 bildiri kabul edilmi tir S zl bildiriler konular na uygun olarak 48 oturumda poster bildiriler ise 14 oturumda sunulmu lard r Bu bildiriler i erisinde yazarlar taraf ndan bildiri kitab nda bas lmak zere 159 tam metin g nderimi ger ekle tirilmi ayn zamanda uluslararası alan indeksli International Journal of Secondary Metabolite dergisine de 173 tam metin makale g nderilmi olup toplam 332 adet tam metin haz rlanm t r Kongre web sayfam za 45 bin tekil ziyaret i girmi ve 4 milyondan fazla hit olu turmu lard r Kongre duyurular ve hat rlatmalar i in 150 binden fazla mail g nderilmi olup yakla k 15 bin mail al nm t r Kongre ile ilgili sekreteryaya zerinden yakla k 6000 g r me yap lm t r Yukarda ifade edilen konferans bildiri oturumlar ve toplant larda t bbi ve aromatik bitkiler sekt r nde ortaya kan reform ihtiya lar mevzuat ula m ve kalite sorunlar vb konular tart lm t r Ortaya kan sonu lar kongre d zenleme kurulu taraf ndan sonu bildirgesi haline getirilmi tir Sonu Bildirgesi ile tam metin kongre kitab e kongre kitap olarak kongre payda lar na ait web siteleri ile kongre web sitesinden www.tabkon.org kamuoyu ile payla lacakt r SONU ve DE ERLEND RME RAPORU Kongre de erlendirme oturumu soru cevap k sm ndan elde edilen sonu lar ile de erlendirmelerini g nderen bilim insanlar n g r leri a a da yer ald gibi zetlenebilir 1 Bitkisel r nlerin sa l k zerine olumlu etkilerinin oldu u bilinmektedir Ancak bu r nlerin yanl kullan m nedeniyle karaci er nakline kadar gidebilen hayati ve ciddi sa l k sorunlar na yol a abildi i g r lmektedir Sekt r n ve vatanda n sorunlar na y nelik z m retmek amac yla Bakanl klar Orman ve Su leri Bakanl Sa l k Bakanl G da Tar m ve Hayvanc l k Bakanl ve G mr k ve Ticaret Bakanl aras nda bir TIBB VE AROMAT K B TK LER KOORD NASYON ST KURULU olu turulmal d r 2 B lgemizin t bbi ve aromatik bitkiler sekt r nde ilk olarak b lgelere g re t bbi aromatik bitki retim planlama al malar yap lmal d r B lgelere g re ekonomik de eri ve retim potansiyeli y ksek bir veya birka bitki t r belirlenmelidir Bu bitki t r n n do adan toplama ve k lt re al narak retilebilecek t rleri ayr ayr belirlenmelidir Gerekli r n n belirlenmesi retim planlamas ve fiyatland rma al malar n yapmak i in yerelden STK kamu ve zel sekt r uzmanlar n n yer ald farkl disiplinlerden m te ekkil bir komite kurulmal d r Bu belirlenen bitkilerin gerek toplanmas gerekse k lt re al narak retilmesi i in gerekli organizasyonlar ve destekler sa lanmal d r 3 lkemiz ok zengin do as na ra men hala i lenmemi bir bitki ihracat s olmaya devam etmektedir lkemizde bitkisel ila sanayinin geli memesi bunun yan nda parf meride kullan lan sentetik r nlerin daha ucuz olmas gibi nedenlerle do al u ucu ya lar n ikinci planda kalmas t bbi ve aromatik bitkilerin retim olanaklar n k s tlam t r 6 4 T bbi ve aromatik bitkilerin mevcut durumunu

korumak ve artan pazarda yer alması sağlamak için piyasada istediği miktar ve kalitede sunmamız nem arz etmektedir. Doğal zenginliklerimizin sürekli ve gelecekteki arz kaynaklarının korunması in situ ve ex situ nemlidir. Ancak tıbbi ve aromatik bitki retimini doğadan toplayarak karlılamak mümkün değildir. Yeterli miktarda standart ve kaliteli ürün retmek için bu bitkilerin kaliteli nem arz etmektedir. Tıbbi aromatik bitkilerde ülkemiz endemik bitkilerinin isimlendirilmesinde terminoloji birikteli ve bölgesel coğrafi farklılıklar tanımlayıcı temel bilgilerin netleştirilmesi gerekmektedir. Ayrıca ülkemiz florasına uygun ekim için uygun alanlar için proje alanları yapılmaktadır. Kaliteli tohum adaptasyonu için tıbbi ve aromatik bitkilere ait doğa verileri istatistiksel veriler bulunmamaktadır. Bu arz talep ilişkisi dikkate alınarak retim yapmayla zorlanmaktadır. Bu nedenle bitkilerle ilgili bilgilerin toplanması ve ulaştırılabilir veri bankaları oluşturulmalıdır. Üretim ve yurt dışı ticareti yapılan doğal bitkilerin tam bir listesi toplanarak ihracat eden firma ve ilgili devlet kurumlarıyla birlikte hazırlanmalı ve bir veri tabanı oluşturulmalıdır. Tıbbi ve aromatik bitkilerin doğadan toplanmalarının kontrol altına alınması nesli tehlikede olanları koruma altına alınması amacıyla tarıma geçilmeli. Tüm bu bilgiler oluşturulacak veri tabanında yer almalıdır. 6. En iyi ihracat yapanlarındaki bitkisel ürünlerin ihracat istatistiklerinde diğerleri arasında yer almaktadır. Bu yüzden ülkemizden ihracat edilen ürünlerin tam bir listesine ulaşabilmek mümkün olmamaktadır. Bu bitkiler üzerinde yapılacak çalışmaların yapılması için bunların ticaretlerinin izlenmesi ihracat ve zellikle retim miktarlarının ve bunların ne kadar doğadan toplama ve ne kadar tarla retiminden geldiğinin istatistiklerde açık ve net olarak yer alması zorunludur. 7. Tüketiciler ve sanayici taleplerine cevap veren kaliteli ve standart ürünlerin üretilmesi ürünlerin geliştirilmesi uygun ekolojik koşulların belirlenmesi doğal bitkilerin doğaya zarar vermeden zamanında toplanması hasat sonrası işlemler ve işleme teknolojisinin belirlenmesi tıbbi ve aromatik bitkilerde retim ve pazar olanaklarının artırılması için bir çalışma yapılmalıdır. 8. Gıda Tarım ve Hayvancılık bakanlığının fide ve tohum dağıtım noktasında il düzeyinde birliktelik projeler yapılması önemli olacaktır. 9. Tıbbi ve aromatik bitkiler alanındaki faaliyet gösteren üretici toplanarak ihracat sanayici aracı ve diğer tüm paydaşların koordinasyonunu sağlayacak bir sistem ve aracı kurumlarının pratik olarak işbirliği için aracı sanayici üretici arasında bilgi akışını sağlayacak yaygın sistemi oluşturulmalıdır. 10. Genetik kaynakların kullanılarak tarıma ve ülke ekonomisine endemik ve ekonomik değeri olan bitkiler kazandırılmalıdır. Genetik materyal tohumluk fide yetersizliğini gidermek için alanlar yapılmalıdır. 11. Tarımsal yabancı madde karlılığına problemine karşı standardizasyon sağlanmalıdır. 12. Aktarılan alanların tıbbi ve aromatik bitki üretim mezunu olmaları getirilmelidir. 13. Kuyruklu olan ekim serisi yetersizdir. Avrupa ülkelerindeki gibi Medikal Herbalistlik ekinde uygulamaları en az kuyruklu ekim verilmelidir. 14. Hali hazırda bulunan üretilen ürünler ile üretilen ürünlerin bu konuda yetkinliği artırılmalıdır. Meslek gereklerine uygun donanım mezunların yetiştirilmesi için ekim için uygun altyapı sağlanmalıdır. 15. Bu bitki mezunları

na yeterli e itim verilerek herbalist nvan verilebilir Ve yasalarca da tan nabilir Mevcut unvan olan T bbi ve Aromatik Bitkiler Teknikeri uzun bir unvan oldu undan daha ak lda kal c bir unvan i in d zenleme yap lmal d r 16 Baharat bitkisel g da takviyesi do al kozmetik bitki ay bitkisel ila reten i yerleri ile bu t r r nlerin sat n n yap ld eczane aktar organik r n d kk nlar nda b l m mezunlar n n al t r lmas zorunlulu u yasalarca dikkate al nmal d r 17 Bilimsel ara t rma sonu lar n n prati e aktar lmas noktas nda al malar n yap lmas gerekmektedir Elde edilen sonu lar n ulusal ve uluslararası l de katk yapmas beklenmektedir 18 lkemizde bitkisel ila sanayinin geli mesine y nelik al malara destek verilmelidir 8 19 Uluslararası ticarete nem ta yan t rlerin retimi ve ihracat n n artt r lmas gerekmektedir 20 Pazar garantili bah e tarla uygulamalar na y nelik al malar ile markala maya y nelik al malar yap lmal d r Ayr ca stratejik de eri olan r nlerin retimine gidilmelidir 21 Herhangi bir zaman diliminde pop ler olan t r ya da r n zerine yo unla mak yerine her d nem nemini kaybetmeyen t rlere nem verilmelidir 22 T bbi ve aromatik bitkilerin tar m i in orman arazileri yerine tar msal alanlar n ayr lmas gereklidir 23 T bbi ve aromatik bitki analizi ile ilgili yetkin laboratuvarlar arac l yla kriterler belirlenmeli bile enlerin i eri i ve miktar ve yap lacak al malarda bu standartlar baz al nmal d r 24 Bitkilerin do ru tan mlanmamas nemli bir hata olarak kar m za kmaktad r Bu konuda yetkinli i olan ki ilerle ortak al lmal d r 25 retim teknolojileri ile ilgili al ma yapmak isteyen yat r mc lara gerekli e itimler bakanl k vb kurumlar n deste iyle verilmelidir 26 Fitoterapi konusunda Sa l k Bakanl n n deste i gereklidir 27 G da takviyesi olarak sat lan r nlerin ruhsatland r lmas Sa l k Bakanl taraf ndan yap lmal d r 28 Bilimsel al malara konu olan bitkiler aktar veya pazardan temin edilmemeli do al ortam veya k lt r ortam ndan al nmal Bu t r bildiriler bilimsel kongrede kabul edilmemelidir 29 T bbi ve aromatik bitkilerin retimi esnas nda zirai m cadelede ruhsatlı pestisit retimi zerine al malar yap lmal d r 30 Kongre esnas nda posterlerin okunabilmesi i in daha uzun s re as l kalmal d r lave olarak bu amaca d n k olarak posterler elektronik ortamda yay mlanmal d r 31 Kongrede kullan lan dilin T rk e ve ngilizce olmas nem arz etmektedir 32 Etnobotanikte 70 farkl e it bitkiye kekik ad veriliyor Bunu giderecek al malar yap lmal d r 33 Sar ve k rm z kantaronun etki mekanizmalar farkl olmas na kar n bu bitkiler kar t r larak hataen birbirinin yerine kullan labilmektedir Bu y zden baz sa l k problemleri ya anabilmektedir Bu ve benzeri durumlar n giderilmesi i in gerekli al malar yap lmal d r 9 34 Lavanta vb endemik bitkilerin lke ekonomisine kazand r lmas i in al malar yap lmal d r 35 T bbi ve aromatik bitkiler zerine farkl bilim disiplinlerinin i birli i i inde y r tece i multidisipliner al malar ve toplant lar n say s art r lmal d r Fakat bu toplant lar belli bir koordinasyon i inde y r t lmelidir Benzer tarzda fazla say da yak n tarihli ve i erikli toplant lar d zenlenmektedir 36 T bbi ve aromatik bitkilerle ilgili kongrelerin mutad olarak ulusal ve uluslararası bazda d zenlenmesi gerekir Bunun i in 2 y lda bir ulusal 4 y lda bir uluslararası kongre d zenlenmesine karar verilmi tir Ger ekle tirilecek kongrelerden kacak sonu ve neriler akademik ekonomik ve retim r n faydal model yeni teknolojiler kt lar n n olmas i in azami zen ve gayretin g sterilmesi b y k neme haizdir 37 Bir sonraki Ulusal T bbi ve Aromatik Bitkiler Kongresi nin Afyon Kocatepe niversitesi ev sahipli inde 2018 2019 e itim retim d neminde Afyon da yap lmas na karar verilmi tir Kongre sonu lar n n lkemize bilim insanlar na reticilere sanayicilere ve b t n insanl a

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