

# Master's Degree

## Advances in Applied Phytotherapy





## Master's Degree

### Advances in Applied Phytotherapy

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Accreditation: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

Acceso web: [www.techtitute.com/us/medicine/master-degree/master-advances-applied-phytotherapy](http://www.techtitute.com/us/medicine/master-degree/master-advances-applied-phytotherapy)

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# 01

# Introduction

Undoubtedly, Phytotherapy has achieved greater efficiency thanks to new technologies, which are allowing, among other advances, active ingredient to be released in the exact place of absorption and its availability when the organism itself needs its action. The pharmaceutical industry is also taking steps to create greater stability in formulations, which has an impact on the quality and effectiveness of the products. This progress is accompanied by an increase in the number of people using this therapy for mild or moderate conditions. In view of the increasing acceptance, this program offers physicians the latest research in this field, allowing them to update their knowledge about its application in diseases of the locomotor, cardiovascular or respiratory system. For this purpose, it will have a teaching staff with experience in the sector and a multimedia content, which shows a global and practical vision on treatments with Phytotherapy.





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*This Master's Degree provides you with the latest information on the multiple possibilities of phytotherapy in patients with locomotive, cardiovascular or nervous system disorders"*

Phytotherapy has demonstrated through scientific studies its effectiveness in certain conditions and has taken on the challenge of continuing to improve its use in order to offer patients greater efficacy. To this end, we are constantly working on the safety and quality of our products, without neglecting the application of existing regulatory standards. At the therapeutic level, we are also taking steps to investigate the interactions between phytotherapeutic preparations and synthetic drugs.

A momentum that accompanies the population itself, which increasingly bets on treating certain diseases with products that have few side effects, prevent diseases and are effective. The medical professional, who has extensive knowledge of the conditions and their approach, has in this Master's Degree the opportunity to update their knowledge and keep abreast of the progress that has been made in Phytotherapy. For this purpose, it has a syllabus in which the active principles of plants and the pharmaceutical forms and galenic preparations of greatest interest, as well as the application of phytotherapy in dermatology, gynecology, cardiology or parasitic infections, will be approached in an exhaustive and dynamic manner.

A program with a theoretical approach, but at the same time practical, where simulations of case studies will be very useful given the approach given to students to real situations. A syllabus that provides the latest trends in phytotherapy in a much more agile and visual way thanks to the multimedia content created by the specialized teaching team.

The medical professional is also facing an excellent opportunity to obtain a university qualification compatible with their work and personal responsibilities. The students of this program will be able to take it exclusively in online mode, without classes with fixed schedules. They will only need an electronic device with which to connect and consult the syllabus available on the virtual campus. It is, therefore, an educational program that is at the academic forefront and can be accessed whenever and wherever you wish.

This **Master's Degree in Advances in Applied Phytotherapy** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ Practical case studies are presented by experts in Phytotherapy
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*This is a university qualification that will allow you to update your knowledge on Phytotherapy and its legal regulations"*

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*The specialized teaching team of this program provides you with the latest knowledge in the use of herbal medicines for the management of patients with anxiety”*

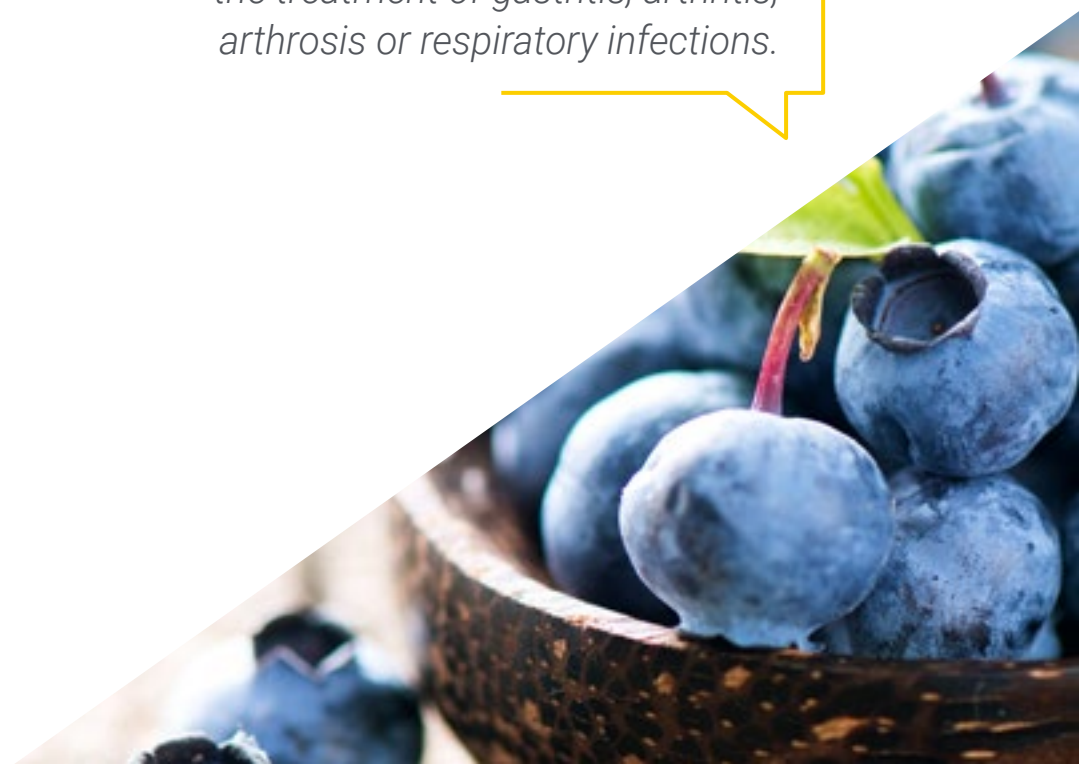
The program's teaching staff includes professionals from the sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive knowledge programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Access at any time to the most comprehensive content on active plant ingredients in the treatment of lung cancer.*

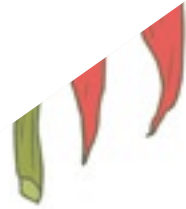
*Over 12 months, you will delve into the advances of phytotherapy for the treatment of gastritis, arthritis, arthrosis or respiratory infections.*



02

# Objectives

The medical professional who studies this university program has the opportunity to expand, over 12 months, their knowledge on the application of Phytotherapy and recent achievements in this therapy. For this, TECH offers all the teaching tools currently available, as well as a teaching team with extensive professional experience and qualifications in this field.



CAYENNE PEPPER



NUTMEG



BOS





INKGO



MUCUNA



ELEUTHERO



WELLIA



STINGING NETTLE

“

*Update your knowledge  
in Phytotherapy through  
innovative multimedia content"*



## General Objectives

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- Define the therapeutic limits of Phytotherapy and identify the cases in which it can be used safely
- Describe the use of Phytotherapy oriented to the satisfaction of the needs derived from the patient's health problems and the prevention of complications, guaranteeing a safe and quality practice
- Solve cases related to the field of phytotherapy
- Explain the use and indication of medical devices, food supplements and/or drugs, assessing the expected benefits and associated risks
- Apply theoretical knowledge in daily practice





## Specific Objectives

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### Module 1. Phytotherapy and Herbal Medicines

- ◆ Define what a drug is and distinguish it from an active ingredient
- ◆ Explain the protocols for drug recognition
- ◆ Define the main chemical groups of active ingredients, which are responsible for the activity of drugs and by extension of plants
- ◆ Explain techniques for the cultivation, collection, processing and conservation of medicinal plants
- ◆ Identify botanical nomenclature and species citation
- ◆ Classify plant groups according to current regulations
- ◆ Define the medicinal utility of mushrooms
- ◆ Explain the legislation and regulation in relation to phytotherapy

### Module 2. Active Ingredients of the Plants, Pharmaceutical Forms and Galenic Preparations

- ◆ Explain the application of the magistral formulation in phytotherapy
- ◆ Explain the industrial processing of herbal medicines
- ◆ Define the main groups and properties with relation to the active ingredients
- ◆ Define the therapeutic application of phenols, flavonoids, tannins, isoprenoids, resins, alkaloids and other products

### **Module 3. Toxicity of Medicinal Plants and Risk Groups in Phytotherapy**

- ♦ Explain the toxicity of medicinal plants so that treatments are safe
- ♦ Identify the therapeutic limits of phytotherapy in special groups of patients
- ♦ Describe the pharmaceutical forms used in phytotherapy
- ♦ Elaborate and select the most appropriate form according to the condition and treatment

### **Module 4. Phytotherapy for Nervous System Disorders**

- ♦ Phytotherapy in the Treatment of Anxiety and Sleep Disorders
- ♦ Phytotherapy in the Treatment of Stress and Asthenia
- ♦ Phytotherapy for the Treatment of Depression
- ♦ Phytotherapy in the Treatment of Headaches
- ♦ Phytotherapy in Patients with Cognitive Disorders

### **Module 5. Phytotherapy for Endocrine, Metabolic and Digestive System Disorders**

- ♦ Define the usefulness of phytotherapy in the treatment of gastritis and ulcers
- ♦ Define the usefulness of phytotherapy in the treatment of obesity and overweight
- ♦ Define the usefulness of phytotherapy in the treatment of diabetes
- ♦ Define the usefulness of phytotherapy in patients with inflammatory bowel disease
- ♦ Explain the phytotherapy treatments and the therapeutic limits in the most frequent digestive tract disorders
- ♦ Describe phytotherapy treatments and therapeutic limits in endocrine and metabolic disorders

### **Module 6. Phytotherapy for Disorders of the Locomotor System**

- ♦ Define the usefulness of phytotherapy in the treatment of arthritis
- ♦ Define the usefulness of phytotherapy in the treatment of arthrosis.
- ♦ Define the usefulness of phytotherapy in the treatment of joint pain
- ♦ Identify muscle that act as relaxant medicinal plants for the treatment of muscle contractions
- ♦ Define the usefulness of phytotherapy in the treatment of arthrosis
- ♦ Identify and classify remineralizing medicinal plants
- ♦ Explain the phytotherapy treatments and therapeutic limits in locomotor system disorders

### **Module 7. Phytotherapy for Cardiovascular and Respiratory Diseases**

- ♦ Define the usefulness of phytotherapy in the treatment of heart failure
- ♦ Define the usefulness of phytotherapy in the treatment of arterial hypertension
- ♦ Define the usefulness of phytotherapy in the treatment of venous insufficiency
- ♦ Define the usefulness of phytotherapy in the treatment of coughs
- ♦ Describe phytotherapy treatments and therapeutic limits in cardiovascular conditions
- ♦ Describe the phytotherapy treatments and therapeutic limits in respiratory system disorders
- ♦ Define the usefulness of phytotherapy in the treatment of allergic respiratory processes



**Module 8. Phytotherapy for Gynecological and Urinary System Affections**

- ♦ Describe phytotherapy treatments and therapeutic limits in urinary system disorders, especially in BPH
- ♦ Know the phytotherapy treatments and therapeutic limits in gynecological conditions such as menopause

**Module 9. Dermatological Phytotherapy**

- ♦ Describe phytotherapy treatments and therapeutic limits in skin conditions
- ♦ Describe the phytotherapy treatments and therapeutic limits in scalp disorders
- ♦ Explain the relationship between cosmetics and phytotherapy, and their application

**Module 10. Other Applications of Phytotherapy: Immunomodulatory Phytotherapy, Phytotherapy for Pathologies of the Sensory Organs, Phytotherapy for Parasitic Diseases and Aromatherapy**

- ♦ Define the therapeutic limits of aromatherapy, its application and associated risks
- ♦ Explain the activity of medicinal plants on the immune system and their possible application in certain pathologies related to the immune system
- ♦ Define the application of phytotherapy in pathologies of the sense organs



*In this program, the student will delve into the therapeutic limits of gynecological conditions such as menopause"*

# 03 Skills

Continuous updating is one of the essential requirements to be at the forefront of medical practice. This is the goal of this university program, which will also allow professionals to enhance their skills. Thus, upon completion of this program, they will have broadened their knowledge of the approach to patients with urinary tract infections, cough, allergic respiratory processes or cardiovascular conditions.





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*This Master's Degree will allow you to enhance the necessary skills to act safely in the use of phytotherapy both in prevention and treatment of pathologies"*





## General Skills

- Master the classification and nomenclature of active ingredients
- Utilize phytotherapy to prevent and treat diseases
- Deal expertly with the problems of overdosage, intoxication, etc.
- Solve specific problems by applying Phytotherapy
- Acquire skills in the collection, preservation and manipulation of medicinal plants
- Master the strategies of scientific research in phytotherapy
- Master professional communication skills
- Integrate Evidence-Based Medicine into daily practice
- Provide support and Phytotherapeutic advice
- Upgrade therapeutic plans to the most current standards



*Make the most of the opportunity and take the step to get up to date on the latest developments in the management of Advances in Applied Phytotherapy”*







## Specific Skills

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- ◆ Keep clinical knowledge up to date with new advances in applied phytotherapy
- ◆ Master the advances in clinical phytotherapy
- ◆ Recognize and classify different medicinal plants and active ingredients
- ◆ Update knowledge in phytotherapy in various conditions
- ◆ Manage phytotherapy in relation to appetite and satiety
- ◆ Delve into the relationship between phytotherapy and endocrinology
- ◆ Delve into the bioethics of clinical research and the professional/patient relationship
- ◆ Know and handle the different taxonomies in phytotherapy
- ◆ Know the different pathologies derived from abuse and addiction problems
- ◆ Master the problems of drug abuse
- ◆ Master the phytotherapy treatment of various childhood disorders
- ◆ Master phytotherapy in the treatment of urinary tract infections
- ◆ Apply phytotherapy in arthritis and osteoarthritis
- ◆ Define the properties of phytotherapy for joint pain
- ◆ Identify muscle relaxant medicinal plants for the treatment of muscle contractions
- ◆ Apply Phytotherapy in the treatment of rheumatism
- ◆ Identify uricosuric plants
- ◆ Define the use of phytotherapy in the treatment of sarcopenia
- ◆ Identify remineralizing medicinal plants

# 04

# Course Management

Within the concept of total quality of our program, we are proud to put at your disposal a teaching staff of the highest level, chosen for their proven experience. The management and teaching staff that TECH has assembled to teach this university program are highly qualified in Pharmacy, Biology and Medicine, in addition to an extensive professional background in the field of Phytotherapy. All this is reflected in the exhaustive content that the medical professional will find in the syllabus of this program and that will serve to keep abreast of developments in this field. A unique opportunity to learn from the best.







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*TECH has brought together in this program a specialized and relevant teaching team in the field of Phytotherapy”*

## Professors

### Dr. Acero de Mesa, Nuria

- ♦ Doctor of Pharmacy
- ♦ Full Professor, Department of Pharmaceutical and Health Sciences, Faculty of Pharmacy, CEU San Pablo University

### Dr. Allué Creus, Josep

- ♦ Doctor of Pharmacy
- ♦ Titular Professor Department of Animal Biology, Plant Biology and Ecology at the Autonomous University of Barcelona

### Ms. Alonso Osorio, María José

- ♦ Specialist in Galenic and Industrial Pharmacy
- ♦ Member of Medicinal Plants and Homeopathy, College of Pharmacists of Barcelona
- ♦ Postgraduate Diploma in Advances in Applied Phytotherapy from the University of Montpellier

### Dr. Bachiller Rodríguez, Luis Ignacio

- ♦ President of the Asturian Society of Advances in Applied Phytotherapy
- ♦ Degree in Medicine and Surgery
- ♦ University Postgraduate Diploma in Advances in Applied Phytotherapy and Medicinal Plants from the University of Montpellier

### Dr. Balaguer Fernández, Cristina

- ♦ Doctor of Pharmacy
- ♦ Assistant Professor in the Department of Pharmacy at the Faculty of Health Sciences of the CEU Cardenal Herrera University.

### Dr. Bejarano, María

- ♦ Doctor of Pharmacy
- ♦ Pharmacist in pharmacy office

### Dr. Beltrán Montalbán, Estanislao

- ♦ Specialist in obstetrics and gynecology
- ♦ Doctor of Medicine

### Dr. Beltrán Sanz, Vicente

- ♦ Doctor of Pharmacy
- ♦ Pharmacy office holder

### Dr. Blanquer Hernández, Antonio

- ♦ D. in Biology
- ♦ Professor in the Department of Pharmacy of the Faculty of Health Sciences at CEU Cardenal Herrera University

### Ms. Buendía Sánchez, Esmeralda

- ♦ Technical Pharmaceutical Director Arkopharma Laboratories

### Dr. Calatayud Pascual, Araceli

- ♦ Doctor of Pharmacy
- ♦ Assistant Professor in the Department of Pharmacy at the Faculty of Health Sciences of the CEU Cardenal Herrera University.

### Dr. Carretero Accame, María Emilia

- ♦ Doctor of Pharmacy
- ♦ Professor, Department of Pharmacology, Faculty of Pharmacy, Complutense University of Madrid

### Ms. D'ivernois Rodríguez, Araceli

- ♦ Technical Director at a Drug Information Center
- ♦ Degree in Pharmacy





**Dr. Dea Ayuela, María Auxiliadora**

- ◆ Doctor of Pharmacy
- ◆ Assistant Professor in the Department of Biomedical Sciences at the Faculty of Health Sciences of the CEU Cardenal Herrera University

**Mr. Folgado Bisbal, Ricardo V.**

- ◆ Member of the Illustrious Official College of Pharmacists of Valencia
- ◆ Degree in Pharmacy

**Dr. García-Fontestad, Gema Alejandra**

- ◆ Pharmacist in pharmacy office
- ◆ Doctor of Pharmacy

**Dr. García Giménez, María Dolores**

- ◆ Professor of Pharmacy in the Department of Pharmacology of the Faculty of Pharmacy at the University of Seville
- ◆ Doctor of Pharmacy

**Dr. González Rosende, Eugenia**

- ◆ Doctor of Pharmacy
- ◆ Assistant Professor in the Department Pharmacy at the Faculty of Health Sciences of the CEU Cardenal Herrera University

**Dr. Güemes Heras, Jaime**

- ◆ Curator of the Botanical Garden, Cavanilles Institute of Biodiversity and Evolutionary Biology in Valencia
- ◆ D. in Biology

**Dr. Guerrero Masiá, María Dolores**

- ♦ Doctor of Pharmacy
- ♦ Professor in the Department of Pharmacy of the Faculty of Health Sciences at CEU Cardenal Herrera University

**Ms. Ibars Almonacil, Ana**

- ♦ Botany teaching unit at the University of Valencia

**Ms. Izquierdo Palomares, Rosa**

- ♦ Degree in Community Pharmacy

**Dr. León Bello, Gemma**

- ♦ Associate Professor of Pharmacology at the CEU Cardenal Herrera University
- ♦ PhD in Public Health
- ♦ Degree in Pharmacy

**Dr. Les Parellada, Francisco**

- ♦ Research teaching staff of the San Jorge University
- ♦ Member of the research group Plant Bioactive Principles
- ♦ Doctor of Pharmacy

**Mr. López Briz, Eduardo**

- ♦ Head of Pharmacy Section at the Valencia Regional Ministry of Health
- ♦ Specialist in Industrial and Galenic Pharmacy

**Dr. López Ramos, Víctor**

- ♦ Doctor of Pharmacy
- ♦ Associate Professor in the Department of Pharmacy of the Faculty of Health Sciences at the San Jorge University of Zaragoza

**Dr. Máñez Aliño, Salvador**

- ♦ Doctor of Pharmacy
- ♦ Professor of Pharmacology, Department of Pharmacology, Faculty of Pharmacy, University of Valencia

**Dr. Marín Vázquez, Marta**

- ♦ Doctor of Pharmacy
- ♦ Assistant Professor in the Department of Pharmacy at the Faculty of Health Sciences of the CEU Cardenal Herrera University

**Dr. Martín Almendros, Miguel**

- ♦ Secretary of the Working Group on Advances in Applied Phytotherapy SEMERGEN
- ♦ Degree in Medicine and Surgery

**Dr. Martín López, Teresa**

- ♦ Doctor of Pharmacy
- ♦ Professor of the Department of Pharmacology at the Faculty of Pharmacy of the University of Alcalá

**Dr. Moreno Royo, Lucrecia**

- ♦ Professor in the Department of Pharmacy Faculty of Health Sciences at CEU Cardenal Herrera University

**Dr. Muñoz-Mingarro, Dolores**

- ♦ Professor of the Department of Chemistry and Biochemistry, Faculty of Pharmacy, CEU San Pablo University
- ♦ D. in Biological Sciences

**Dr. Navarro Moll, Concepción**

- ♦ Professor of Pharmacology, Department of Pharmacology, Faculty of Pharmacy, University of Granada
- ♦ Doctor of Pharmacy

**Dr. Noguera Romero, María Antonia**

- ♦ Professor of the Department of Pharmacology at the Faculty of Pharmacy of the University of Valencia
- ♦ Doctor of Pharmacy

**Dr. Ortega Hernández-Agero, María Teresa**

- ♦ Professor of the Department of Pharmacology at the Faculty of Pharmacy of the Complutense University of Madrid
- ♦ Doctor of Pharmacy

**Dr. Palomino Ruiz-Poveda, Olga**

- ♦ Doctor of Pharmacy
- ♦ Associate Professor at the Department of Pharmacology, Faculty of Pharmacy, Complutense University of Madrid

**Dr. Puchol Enguñados, Santiago Vicente**

- ♦ Pharmacist in pharmacy office
- ♦ Doctor of Pharmacy

**Ms. Reigada Ocaña, Inés**

- ♦ Researcher at the University of Helsinki
- ♦ Degree in Pharmacy

**Dr. Ríos Cañavate, José Luis**

- ♦ Professor of Pharmacology, Department of Pharmacology, Faculty of Pharmacy, University of Valencia
- ♦ Doctor of Pharmacy

**Dr. Rodilla Alama, Vicente**

- ♦ Professor in the Department of Pharmacy Faculty of Health Sciences at CEU Cardenal Herrera University
- ♦ D. in Biology

**Dr. Sanahuja Santafé, Maria Amparo**

- ♦ Assistant Professor in the Department from Pharmacy at the Faculty of Health Sciences of the CEU Cardenal Herrera University
- ♦ Doctor of Pharmacy

**Dr. Sánchez Thevenet, Paula**

- ♦ Assistant Professor in the Department of Biomedical Sciences at the Faculty of Health Sciences of the CEU Cardenal Herrera University
- ♦ D. in Biochemistry

**Dr. Soriano Guarinos, Pilar**

- ♦ Doctor of Pharmacy
- ♦ Professor of the Department of Botany at the Faculty of Pharmacy of the University of Valencia

**Ms. Tejerina, Eva**

- ♦ Senior Consultant at Apdena Consult S.L.

**Ms. Villagrasa, Victoria**

- ♦ Full Professor, Department of Pharmacy. Faculty of Health Sciences. CEU Cardenal Herrera University
- ♦ Doctor of Pharmacy



# 05

# Structure and Content

The content of this Master's Degree has been developed by the team of experts that make up this university program. A program dominated by rigorous and comprehensive knowledge offered in a more attractive way thanks to video summaries, videos in detail or interactive diagrams. In addition, the Relearning system, used by TECH, will allow students to deepen in a more agile way in phytotherapy and herbal drugs, treatments used for conditions of the nervous, endocrine or metabolic systems. All this will favor the successful updating of knowledge.







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*The clinical case simulations will provide you with a practical and useful insight into your daily practice"*

### Module 1. Phytotherapy and Herbal Medicines

- 1.1. Phytotherapy: Definition and Scope of Application
- 1.2. Botanical Nomenclature and the Citation of Species in Phytotherapy
- 1.3. Current Classification of Plant Groups
- 1.4. Regulation of the European Market for Medicinal Herbal Preparations: Legal Regulations and Scope of Application
- 1.5. Cultivation, Collection, Processing and Preservation of Medicinal Plants
- 1.6. Plant-Based Drugs: Impact of Drug Recognition on the Quality of Phytotherapeutic Products
- 1.7. Mushrooms with Medicinal Utility

### Module 2. Active Ingredients of the Plants, Pharmaceutical Forms and Galenic Preparations

- 2.1. Active Ingredients: Main Groups and Properties, as a Basis that Justifies the use of Phytotherapy
- 2.2. Carbohydrates, Lipids, Proteins, and Sulfo cyanogenetic Heterosides and their Therapeutic Application
- 2.3. Simple Phenols, Coumarins and Lignans and their Therapeutic Application
- 2.4. Flavonoids and their Therapeutic Application
- 2.5. Tannins and Quinones, and their Application
- 2.6. Isoprenoids, Saponins and Cardiotonic Heterosides and their Application
- 2.7. Resins and their Application
- 2.8. Alkaloids and their Application
- 2.9. Magistral Formulation in Phytotherapy
- 2.10. Other Pharmaceutical Forms in Phytotherapy
- 2.11. Industrial Processing of Herbal Medicines

### Module 3. Toxicity of Medicinal Plants and Risk Groups in Phytotherapy

- 3.1. Medicinal Plants Toxicity
- 3.2. Safety and Interactions of Medicinal Plants
- 3.3. Phytotherapy in Pediatrics
- 3.4. Phytotherapy in Pregnancy and Lactation
- 3.5. Phytotherapy in Geriatrics

### Module 4. Phytotherapy for Nervous System Disorders

- 4.1. Define the use of Phytotherapy in the Treatment of Anxiety and Sleep Disorders
- 4.2. Define the Usefulness of Phytotherapy in the Treatment of Stress and Asthenia
- 4.3. Define the Usefulness of Phytotherapy in the Treatment of Depression
- 4.4. Define the Usefulness of Phytotherapy in the Treatment of Coughs
- 4.5. Define the Usefulness of Phytotherapy in Patients with Cognitive Disorders

### Module 5. Phytotherapy for Endocrine, Metabolic and Digestive System Disorders

- 5.1. Phytotherapy in the Treatment of Obesity and Overweight People
- 5.2. Medicinal Plants that Stimulate Appetite
- 5.3. Phytotherapy and Diabetes
- 5.4. Phytotherapy in the Treatment of Dyspepsia
- 5.5. Phytotherapy for the Treatment of Flatulence. Carminative Medicinal Plants
- 5.6. Phytotherapy for the Treatment of Gastritis and Ulcers
- 5.7. Phytotherapy for Hepatic Affections and Biliary Dysfunctions
- 5.8. Phytotherapy for the Treatment of Diarrhea
- 5.9. Phytotherapy for the Treatment of Constipation
- 5.10. Phytotherapy in the Treatment of Vomiting
- 5.11. Phytotherapy in Patients with Inflammatory Bowel Disease

**Module 6. Phytotherapy for Disorders of the Locomotor System**

- 6.1. Phytotherapy in Arthritis
- 6.2. Phytotherapy in Arthrosis
- 6.3. Phytotherapy for Joint Pain: Anti-Inflammatory and Analgesic
- 6.4. Medicinal Plants Muscle Relaxants for the Treatment of Muscle Contractions
- 6.5. Phytotherapy in the Treatment of Rheumatism
- 6.6. Phytotherapy in the Treatment of Gout: Uricosuric Plants
- 6.7. Phytotherapy in the Treatment of Sarcopenia
- 6.8. Remineralizing Medicinal Plants

**Module 7. Phytotherapy for Cardiovascular and Respiratory Diseases**

- 7.1. Utility of Phytotherapy in the Treatment of Heart Failure
- 7.2. Phytotherapy in the Treatment of Arterial Hypertension
- 7.3. Phytotherapy in the Treatment of Hyperlipidemia Involved in Cardiovascular Diseases
- 7.4. Phytotherapy in Venous Insufficiency Disorders
- 7.5. Phytotherapy in Respiratory Infections
- 7.6. Phytotherapy in the Treatment of Coughs
- 7.7. Phytotherapy in the Treatment of Allergic Respiratory Processes
- 7.8. Treatment of Asthma with Active Ingredients Derived from Plants. Antispasmodics
- 7.9. Phytotherapy and Herbal Active Ingredients in the Treatment of Lung Cancer

**Module 8. Phytotherapy for Gynecological and Urinary System Affections**

- 8.1. Phytotherapy in the Treatment of Urinary Tract Infections
- 8.2. Phytotherapy in the Treatment of Water Retention
- 8.3. Phytotherapy in the Treatment of Urolithiasis
- 8.4. Phytotherapy in Patients with Benign Prostatic Hyperplasia
- 8.5. Phytotherapy in Women with Premenstrual Syndrome
- 8.6. Phytotherapy for the Treatment of Climacteric Symptomatology
- 8.7. Phytotherapy for the Treatment of Vaginal Discharge Disorders

**Module 9. Dermatological Phytotherapy**

- 9.1. Phytotherapy for Infectious Skin Diseases
- 9.2. Phytotherapy for Allergic Skin Diseases
- 9.3. Cosmetics and Phytotherapy
- 9.4. Phytotherapy for Autoimmune Skin Diseases: Vitiligo and Psoriasis
- 9.5. Phytotherapy for Scalp Disorders

**Module 10. Other Applications of Phytotherapy: Immunomodulatory Phytotherapy, Phytotherapy for Pathologies of the Sensory Organs, Phytotherapy for Parasitic Diseases and Aromatherapy**

- 10.1. Aromatherapy
- 10.2. Uses and Limitations of Aromatherapy
- 10.3. Immunostimulant Plants
- 10.4. Immunosuppressive Plants
- 10.5. Phytotherapy for the Most Frequent Conditions of the Anterior Part of the Eye
- 10.6. Phytotherapy in Otological Affections
- 10.7. Vermifuge Medicinal Plants
- 10.8. Phytotherapy for the Treatment of Other Parasitic Infections



*An online program that will allow you to be aware of phytotherapeutic treatments to treat otological conditions"*



06

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.







“

*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*





At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.





# 07 Certificate

The Master's Degree in Advances in Applied Phytotherapy guarantees students, in addition to the most rigorous and up-to-dated education, access to a Master's Degree issued by TECH Global University.



“

*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This private qualification will allow you to obtain a **Master's Degree diploma in Advances in Applied Phytotherapy** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

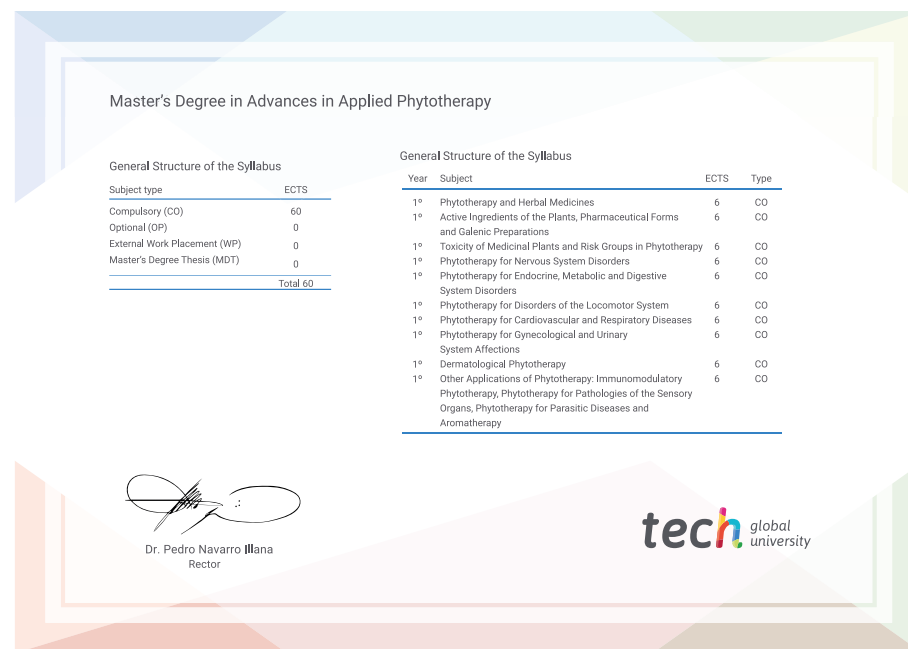
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Master's Degree in Advances in Applied Phytotherapy**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



**Master's Degree**  
Advances in Applied  
Phytotherapy

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Accreditation: 60 ECTS
- » Schedule: at your own pace
- » Exams: online



# Master's Degree

## Advances in Applied Phytotherapy

