

# Postgraduate Certificate

## Phytotherapy of Locomotor System Disorders





## Postgraduate Certificate Phytotherapy of Locomotor System Disorders

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 8 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/phytotherapy-locomotor-system-disorders](http://www.techtute.com/us/medicine/postgraduate-certificate/phytotherapy-locomotor-system-disorders)

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# 01

# Introduction

Today's physician needs competencies in all areas of work and therapeutic approach. Phytotherapy is one of the most beneficial in the area of motor disorders, if its possibilities and limits of use are known and mastered in an advanced way. This course will provide you with the most comprehensive training in this type of intervention allowing you to act as a specialist in the field, with the support of the latest scientific evidence on this subject.



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*The support of advanced phytotherapy for locomotor system disorders in a specific course for physicians, which will give you the necessary skills to act as an expert in this field"*

There is now a scientific basis supporting the efficacy of many phytotherapeutic products for certain indications. The place that Phytotherapy should occupy in therapeutics should be that for which it has demonstrated its usefulness and safety.

Efficacy is achieved only with the proper use of phytotherapeutic preparations, both in terms of indications and form of administration.

This program offers a current vision of Phytotherapy and its application in the health field, including the latest contributions and advances. The contents are guaranteed by the teaching staff involved in the Postgraduate Certificate, since in one way or another they all work in the field of phytotherapy or are related to it.

Thus, the student will learn based on the experience of the teachers and experience evidence-based medicine, which results in training the student to be more effective and accurate.

Taking into account that, on the one hand, the different university format programs generally lack a deep and continuously updated training in Phytotherapy, and on the other hand, that current health trends lean towards the use of safe and effective natural remedies, it is necessary to be able to offer students the possibility of expanding their knowledge and therapeutic skills with a greater specialization in the use of medicinal plants, from the professional and academic side necessary to adequately face their future in this field.

This course offers you the characteristics of a high level scientific, teaching and technological course. These are some of its most notable features:

- Latest technology in online teaching software.
- Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- Practical cases presented by practising experts.
- State-of-the-art interactive video systems.
- Teaching supported by telepractice.
- Continuous updating and recycling systems.
- Self-regulating learning: full compatibility with other occupations.
- Practical exercises for self-evaluation and learning verification.
- Support groups and educational synergies: questions to the expert, debate and knowledge forums.
- Communication with the teacher and individual reflection work.
- Content that is accessible from any fixed or portable device with an Internet connection.
- Supplementary documentation databases are permanently available, even after the course.



*The latest advances in phytotherapy compiled according to the latest scientific evidence for the most advanced professional"*

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*A specific training for physicians that will allow you to apply the latest ways of working with phytotherapy with total success"*

Our teaching staff is composed of medical professionals, practising specialists. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of doctors trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Specialist Diploma. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

*With a methodological design based on proven teaching techniques, this Postgraduate Certificate will take you through different teaching approaches to allow you to learn in a dynamic and effective way*

*Take a leap towards greater specialization and propel yourself towards greater competitiveness in the labor market*



# 02 Objectives

This Postgraduate Certificate will allow you to define the limits of the use of phytotherapy to be able to handle it safely and the patient, so that you can make the appropriate decisions to use it in a preventive and therapeutic way.







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*The objective of this training is to offer you a compendium of knowledge focused on the practice that allows you to support from phytotherapy, the welfare of patients”*



## General Objectives

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- ♦ Define the therapeutic limits of Phytotherapy and recognize 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 medicinal plants, evaluating the expected benefits and associated risks.
- ♦ Apply theoretical knowledge to practice.



## Specific Objectives

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- ♦ Know the existing resources for the treatment of locomotor system disorders.
- ♦ Knowledge of phytotherapeutic analgesics and anti-inflammatory drugs.
- ♦ Know how to apply phytotherapy in rheumatism, gout or sarcopenia.
- ♦ Know what remineralizing plants are and how they are used



*Include the use of phytotherapy  
among your capabilities and boost  
your competitiveness in the medical  
sector*



03

# Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.



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*With the direct experience of professionals who will teach you based on the reality of the sector in a contextual and realistic learning”*

## Professors

### **López Castellano, Alicia**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Dean of the Faculty of Health Sciences.
- ♦ CEU Cardenal Herrera University.
- ♦ Professor at Private University, Department of Pharmacy.

### **Sanahuja Santafé, Maria Amparo**

- ♦ Degree in Pharmacy.
- ♦ Professor of the Department of Pharmacy.
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.

### **Ibars Almonacil, Ana**

- ♦ University of Valencia. Botany Teaching Unit.

### **Blanquer Hernández, Antonio**

- ♦ Degree in Biology.
- ♦ Doctor of Biology (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ Professor of the Department of Pharmacy.

### **D'ivernois Rodríguez, Araceli**

- ♦ Degree in Pharmacy.
- ♦ Technical Director, Drug Information Center.
- ♦ Illustrious Official College of Pharmacists of Castellón.

### **Calatayud Pascual, Araceli**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ University Professor, Department of Pharmacy.

### **Navarro Moll, Concepción**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacy. University of Granada.
- ♦ Professor of Pharmacology, Department of Pharmacology.

### **Balaguer Fernández, Cristina**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ Assistant Professor, Department of Pharmacy.

### **Muñoz-Mingarro, Dolores**

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

### **López Briz, Eduardo**

- ♦ Graduate in Pharmacy.
- ♦ Specialist Pharmacist in Hospital Pharmacy.
- ♦ Specialist Pharmacist in Industrial and Galenic Pharmacy.
- ♦ Valencian Community, Spain
- ♦ Head of Pharmacy Section at Consellería de Sanidad

### **Buendía Sánchez, Esmeralda**

- ♦ Technical Pharmaceutical Director. Arkopharma Laboratories.

### **Beltrán Montalbán, Estanislao**

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

**González Rosende, Eugenia**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ Professor of the Department of Pharmacy.

**Tejerina González, Eva**

- ♦ Apdena Consult S.L.

**Les Parellada, Francisco**

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

**García-Fontestad, Gema Alejandra**

- ♦ Doctor of Pharmacy.
- ♦ Pharmacist in pharmacy office.

**León Bello, Gemma**

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

**Reigada Ocaña, Inés**

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

**Güemes Heras, Jaime**

- ♦ Degree in Biology.
- ♦ Doctor of Biology (PhD).
- ♦ University of Valencia.
- ♦ Curator of the Botanical Garden, Cavanilles Institute of Biodiversity and Evolutionary and Biology

**Merino Llorens, Jose Luis**

- ♦ Graduate in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacy. University of Valencia.
- ♦ Professor of Pharmacology, Department of Pharmacology.

**Allué Creus, Josep**

- ♦ Graduate in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Autonomous University of Barcelona.
- ♦ Professor of the Department of Animal Biology, Plant Biology and Ecology.

**Ibañez Torres, Lidia**

- ♦ CEU-UCH University Professor.

**Moreno Royo, Lucrecia**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ Professor at Private University, Department of Pharmacy.

**Bachiller Rodríguez, Luis Ignacio**

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

**Noguera Romero, María Antonia**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Professor of the Department of Pharmacology.
- ♦ Faculty of Pharmacy. University of Valencia.

**Guerrero most, María Dolores**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ University Professor, Department of Pharmacy.

**Alonso Osorio, María José**

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

**Martín López, Martín Teresa**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacies, Alcalá University
- ♦ Professor of the Department of Pharmacology.

**Carretero Accame, María Emilia**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacy. Complutense University of Madrid.
- ♦ Professor the Department of Pharmacology.

**Dea Ayuela, María Auxiliadora**

- ♦ University Professor, Department Pharmacy. CEU Cardenal Herrera University.

**Bejarano, María**

- ♦ Doctor of Pharmacy.
- ♦ Pharmacist in pharmacy office.

**Sanfeliu Alonso, María Carmen**

- ♦ Doctor of Pharmacy. University of Valencia.
- ♦ University professor CEU Cardenal Herrera University

**García Giménez, María Dolores**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacies, Seville University
- ♦ Professor of Pharmacy, Department of Pharmacology.

**Marín Vázquez, Marta**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ University Professor, Department of Pharmacy.

**Martín Almendros, Miguel**

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in the HLBO blood diagnostic test.
- ♦ Diploma in Natural Therapy in Biological Medicine.
- ♦ Secretary of the Working Group on Phytotherapy SEMERGEN.

**Acero de Mesa, Nuria**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacy.
- ♦ CEU San Pablo University.
- ♦ Full Professor of the Department of Pharmaceutical and Health Sciences.

**Palomino Ruiz-Poveda, Olga María**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacies, Complutense University, Madrid.
- ♦ Associate Professor, Department of Pharmacology.



**Sánchez Thevenet, Paula**

- ♦ Degree in Biology.
- ♦ Doctor in Biochemistry (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ Professor of the Department of Biomedical Sciences.

**Catalá, Pedro**

- ♦ Graduate in Pharmacy.
- ♦ Specialist in Cosmetology.
- ♦ Founder of Twelve Beauty.
- ♦ Doctor in Pharmacy (PhD).

**Soriano Guarinos, Pilar**

- ♦ Degree in Pharmacy.
- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Pharmacy. University of Valencia.
- ♦ Professor of the Department of Pharmacology.

**Folgado Bisbal, Ricardo V.**

- ♦ Graduate in Pharmacy.
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**Izquierdo Palomares, Rosa**

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- ♦ Illustrious Official College of Pharmacists of Castellón.

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- ♦ Professor the Department of Pharmacy.

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- ♦ Doctor in Pharmacy (PhD).
- ♦ Faculty of Health Sciences, CEU Cardenal Herrera University.
- ♦ Professor of the Department of Pharmacy.

# 04

# Structure and Content

The contents have been developed by the different experts of this course, with a clear purpose: to ensure that our students acquire each and every one of the skills necessary to become true experts in this field.





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*All the forms of action of phytotherapy through  
a complete and updated compendium"*

## Module 1. Phytotherapy of Locomotor System Disorders

- 1.1. Phytotherapy for Diseases Affecting the Locomotor System: Introduction
- 1.2. Phytotherapy for Diseases Affecting the Locomotor System: Plant Species with Analgesic and/or Anti-inflammatory Action in Oral Use
- 1.3. Phytotherapy in Diseases Affecting the Locomotor System: Plant Species with Analgesic and/or Anti-inflammatory Action in Topical Use
- 1.4. Phytotherapy in the Treatment of Rheumatism
- 1.5. Phytotherapy in the Treatment of Gout: Uricosuric Plants
- 1.6. Phytotherapy in the Treatment of Sarcopenia
- 1.7. Remineralizing Medicinal Plants





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*Therapeutic advances in phytotherapy, in a training course designed to promote the medical professional in the competences of this interesting form of intervention"*

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.



*The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

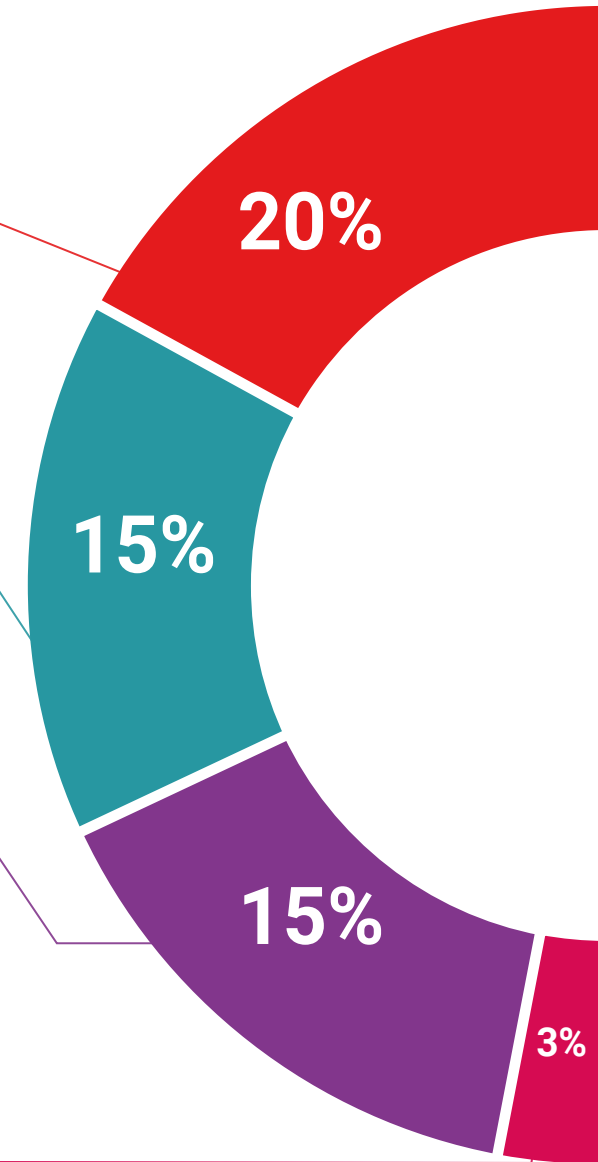
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

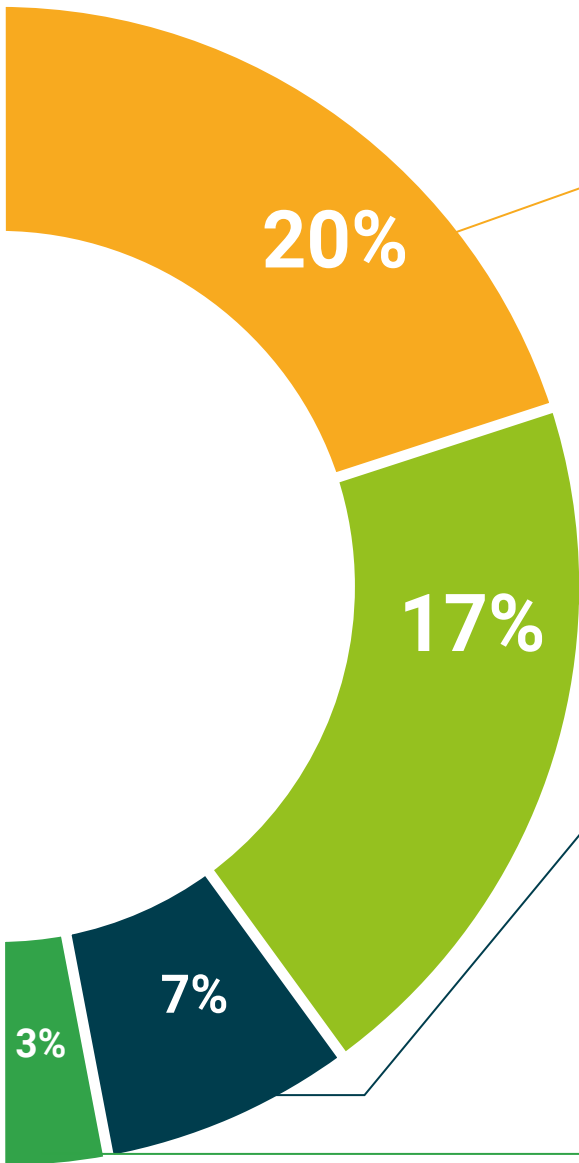
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





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

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



#### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

The Postgraduate Certificate in Phytotherapy for Locomotor System Disorders guarantees you, in addition to the most accurate and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.





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*Successfully complete this training and receive your diploma without the hassle of travel or paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Phytotherapy for Locomotor System Disorders** 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** title 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: **Postgraduate Certificate in Phytotherapy for Locomotor System Disorders**

Modality: **online**

Duration: **6 weeks**

Accreditation: **8 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  
online training  
development language  
virtual classroom



## Postgraduate Certificate

### Phytotherapy of Locomotor System Disorders

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 8 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate

## Phytotherapy of Locomotor System Disorders

