

# Postgraduate Certificate

## Dermatological Phytotherapy



## Postgraduate Certificate Dermatological Phytotherapy

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/pharmacy/postgraduate-certificate/dermatological-phytotherapy](http://www.techtute.com/us/pharmacy/postgraduate-certificate/dermatological-phytotherapy)

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01

# Introduction

For the pharmacist, skin care through the use of medicinal plants, based on scientific advances, is an invaluable resource. To be able to apply it safely you need a deep knowledge of its capabilities and how to achieve them. In this complete University Course you will be able to acquire all this knowledge in a simple and fast way.



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*An approach of great interest for the pharmacy professional, in a Postgraduate Certificate of high professional level"*

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 program, 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 educational 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 the student the possibility of broadening their knowledge.

and therapeutic skills with a greater specialization in the use of medicinal plants, from the professional and academic perspective necessary to adequately face their future in this field.

“*Get up to date in all the novelties that the field of phytotherapy has developed in recent times with the effectiveness of the best online Postgraduate Certificate in this field, of the teaching market*”

This **in Dermatological Phytotherapy** Postgraduate Certificate offers you the characteristics of a Postgraduate Certificate of high teaching and technological level.

These are some of its most notable features:

- ♦ The latest technology in online teaching software
- ♦ A 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
- ♦ Autonomous 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
- ♦ Availability of content from any fixed or portable device with
- ♦ internet connection
- ♦ Supplementary documentation databases are permanently available, even after the course



*A complete Postgraduate Certificate created with the best learning systems of the moment, which will propel you to a much higher level of competitiveness"*

Our teaching staff is composed of medical professionals, practising specialists. In this way we ensure that we deliver the educational update we are aiming for. A multidisciplinary team of qualified and experienced Doctor in different environments, who will develop the theoretical knowledge in an efficient way, but, above all, will put at the service of the University Course the practical knowledge derived from their own experience: one of the differential qualities of this training.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate. Developed by a multidisciplinary team of e-learning courses, 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"*

*Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: "learning from an expert"*



# 02 Objectives

This Postgraduate Certificate will allow you to define the limits of the use of phytotherapy to be able to manage it safely with the patient, so that you can make the appropriate decisions to use it preventively and therapeutically.





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*With an objective focused on practice, this Postgraduate Certificate will allow you to act with the solvency of an expert in the management of phytotherapy resources”*



## 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



*A Postgraduate Certificate that will provide you with the necessary therapeutic safety in the use of phytotherapy in dermatology, in any circumstance"*





## Specific Objectives

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

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 industry professionals who will teach you through contextual and realistic learning"*

## Professors

### Dr. 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

### Dña. Sanahuja Santafé, Maria Amparo

- ♦ Degree in Pharmacy
- ♦ Professor of Pharmacy Department
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera

### Ibars Almonacil, Ana

- ♦ University of Valencia. Botany Teaching Unit

### Dr. Blanquer Hernández, Antonio

- ♦ Degree in Biology
- ♦ Doctor of Biology (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ Professor of Pharmacy Department

### D'Ívernois Rodríguez, Araceli

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

### Dr. Calatayud Pascual, Araceli

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ University Professor of the Department of Pharmacy

### Dr. Navarro Moll, Concepción

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

### Dr. Balaguer Fernández, Cristina

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ Assistant Professor of the Department of Pharmacy

### Dr. Muñoz-Mingarro, Dolores

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

### Dña. López Briz, Eduardo

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

### Buendía Sánchez, Esmeralda

- ♦ Technical Pharmaceutical Director. Arkopharma Laboratories.

### Dr. Beltrán Montalbán, Estanislao

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

**Dr. González Rosende, Eugenia**

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ Full Professor, Department of Pharmacy

**Dña. Tejerina Tébe, Eva**

- ♦ Apdena Consult SL.

**Dr. Les Parellada, Francisco**

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

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

- ♦ Doctor of Pharmacy
- ♦ Pharmacist in pharmacy office

**Dr. León Bello, Gemma**

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

**Dña. Reigada Ocaña, Inés**

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

**Dr. 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

**Dr. Merino Llorens, Jose Luis**

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

**Dr. Allué Creus, Josep**

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

**Ibañez Torres, Lidia**

- ♦ Professor CEU - UCH University

**Dr. Moreno Royo, Lucrecia**

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- ♦ Doctor in Pharmacy (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ Professor at Private University, Department of Pharmacy

**D. Bachiller Rodríguez, Luis Ignacio**

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

**Dr. Noguera Romero, María Antonia**

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

**Dr. Guerrero Masiá, María Dolores**

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ University Professor of the 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

**Dr. Martín López, Teresa**

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Faculty of Pharmacy, University of Alcalá
- ♦ Full Professor, Department of from Pharmacology

**Dr. Carretero Accame, María Emilia**

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

**Dea Ayuela, María Auxiliadora**

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

**Dr. Bejarano, María**

- ♦ Doctor of Pharmacy
- ♦ Pharmacist in pharmacy office

**Dr. Sanfeliu Alonso, María Carmen**

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

**Dr. García Giménez, María Dolores**

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

**Dr. Marín Vázquez, Marta**

- ♦ Degree in Pharmacy
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- ♦ University Professor of the Department of Pharmacy

**D. Martín Almendros, Miguel**

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

**Dr. Acero de Mesa, Nuria**

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

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

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

**Dr. Sánchez Thevenet, Paula**

- ♦ Degree in Biology
- ♦ Doctor in Biochemistry (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ Professor of degree the Department of Biomedical Sciences

**Dr. Catalá, Pedro**

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

**Dr. Soriano Guarinos, Pilar**

- ♦ Degree in Pharmacy
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- ♦ Full Professor, Department of from Pharmacology

**D. Folgado Bisbal, Ricardo V**

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- ♦ Illustrious Official College of Pharmacists of Castellón

**Dr. Máñez Aliño, Salvador**

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- ♦ Full Professor, Department of from Pharmacology

**Dr. Beltrán Sanz, Vicente**

- ♦ Doctor of Pharmacy
- ♦ Pharmacy office holder

**Dr. Rodilla Alama, Vicente**

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

**Dr. López Ramos, Víctor**

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Faculty of Health Sciences, San Jorge University of Zaragoza
- ♦ Professor of Pharmacy Department

**Dr. Villagrasa, Victoria**

- ♦ Degree in Pharmacy
- ♦ Doctor in Pharmacy (PhD)
- ♦ Facultad de Ciencias de la Salud, Universidad CEU Cardenal Herrera
- ♦ Professor of Pharmacy Department

04

# Structure and Content

The contents of this Postgraduate Certificate have been developed by different Teachers with 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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*A high scientific level training  
created to provide you with the safe  
intervention capacity in phytotherapy  
that your praxis needs"*

## Module 1. Dermatological Phytotherapy

- 1.1. Phytotherapy for Infectious Skin Diseases
- 1.2. Phytotherapy for Allergic Skin Diseases
- 1.3. Cosmetics and Phytotherapy
  - 1.3.1. Phytoingredients
  - 1.3.2. Cosmetic Role
  - 1.3.3. Chemical Structure
  - 1.3.4. Sugars and Heterosides
  - 1.3.5. Heterosides
  - 1.3.6. Saponosides
  - 1.3.7. Cumarinas
  - 1.3.8. Flavonoids
  - 1.3.9. Anthocyanosides
  - 1.3.10. Iridoids
  - 1.3.11. Gums, mucilages and pectins
  - 1.3.12. Tannin
  - 1.3.13. Alkaloids
  - 1.3.14. Essential Oils.
  - 1.3.15. Resins, balsams and oleoresins
  - 1.3.16. Organic acids
  - 1.3.17. Vitamins.
  - 1.3.18. Minerals and trace elements
  - 1.3.19. Extraction methods and dosage forms for topical use
  - 1.3.20. Most common plant extracts used in cosmetics
- 1.4. Phytotherapy for autoimmune skin diseases: vitiligo and psoriasis
- 1.5. Phytotherapy for Scalp Disorders





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*A comprehensive teaching program, structured in well-developed teaching units, oriented toward a high impact learning and Educational"*

# 05 Methodology

This training 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 clinical 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. Pharmacists learn better, more quickly 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. Gervas, 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, attempting to recreate the actual conditions in a pharmacist'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. Pharmacists who follow this method not only achieve the assimilation of concepts, but also develop their mental capacity through exercises to evaluate real situations and apply 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.

*Pharmacists 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 115,000 pharmacists with unprecedented success, in all clinical specialties. Our pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years old.

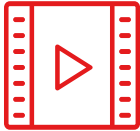
*Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



#### Video Techniques and Procedures

We bring you closer to the latest techniques, to the newest educational advances, to the forefront of current pharmaceutical care procedures. 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

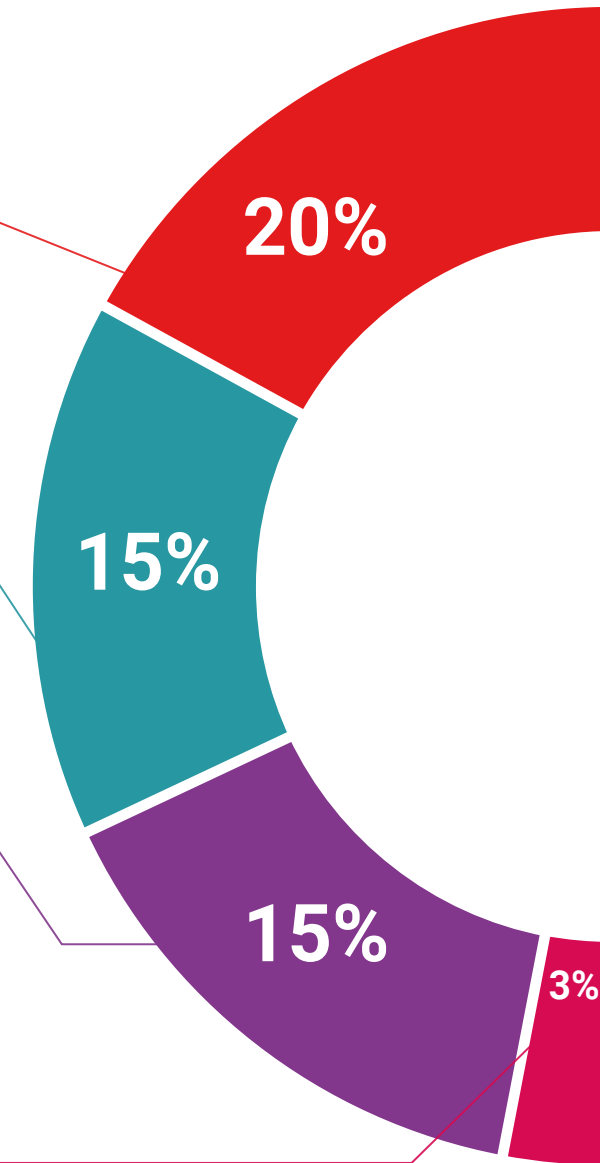
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

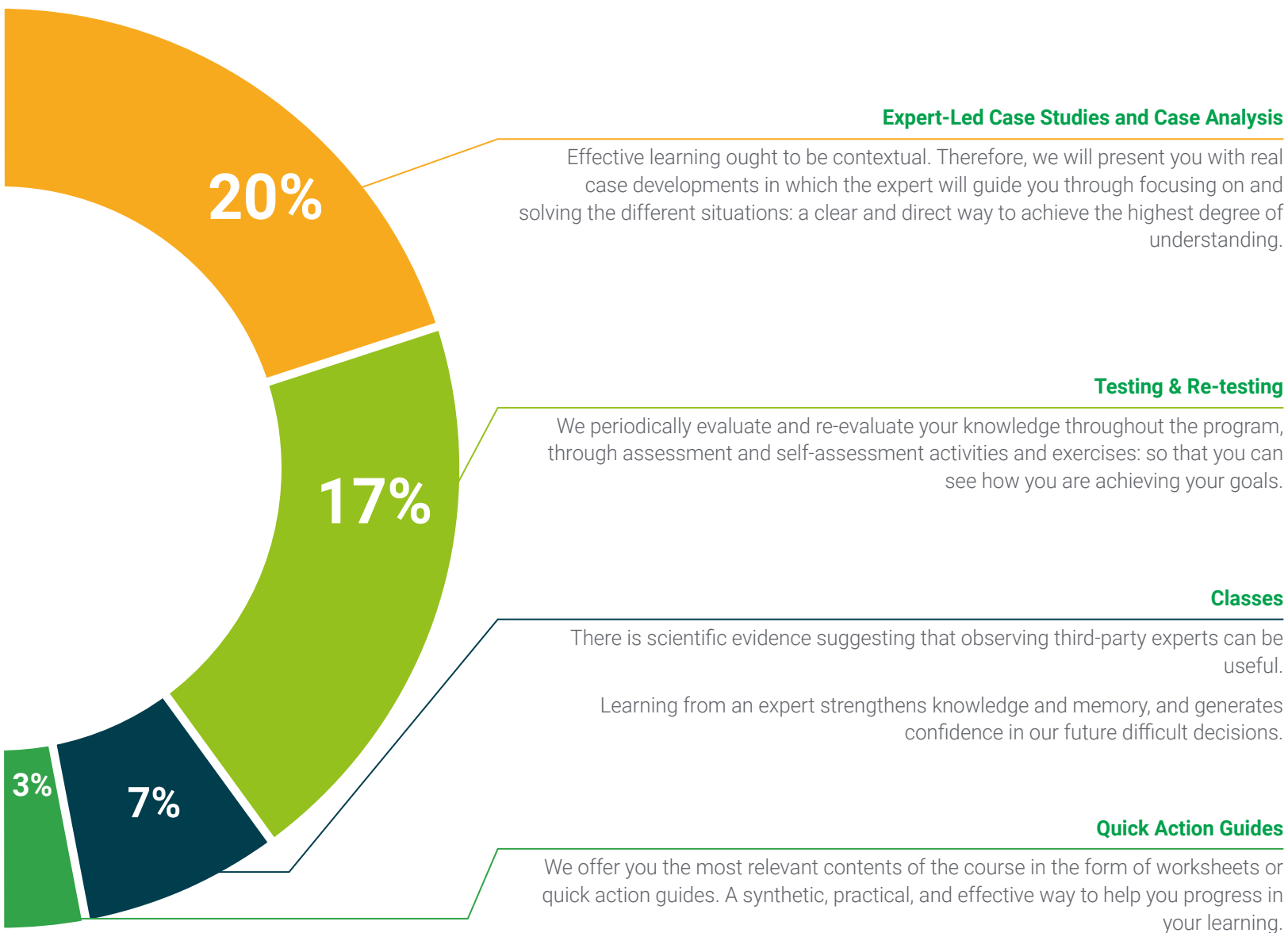
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

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





06

# Certificate

The Postgraduate Certificate in Dermatological Phytotherapy guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this training program and receive your university certificate without travel or laborious paperwork"*

This private qualification will allow you to obtain a **Postgraduate Certificate in Dermatological 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: **Postgraduate Certificate in Dermatological Phytotherapy**

Modality: **online**

Duration: **6 weeks**

Accreditation: **4 ECTS**



future

health

confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

**tech** global  
university

personalized service innovation

knowledge present

online training

development languages

virtual classroom

## Postgraduate Certificate Dermatological Phytotherapy

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate

## Dermatological Phytotherapy