



ETHCSTWIN 2nd Summer School

6-10 July 2026, Athens, Greece

Dept of Pharmacy, Lab of Pharmacognosy & Chemistry of Natural Products

From Traditional Medicine to Phytotherapy

Monday, 6 th July 2026	
	Traditional Medicine
9-9 ³⁰	Welcome Coffee
9 ³⁰ -10 ³⁰	Opening Lecture: Introduction to ETHCSTWIN and Traditional Medicine Prof. Nektarios Aligiannis, Lab. of Pharmacognosy & Natural Products Chemistry, Dept of Pharmacy, NKUA / IESP/ Coordinator of ETHCSTWIN project
10 ³⁰ -11 ¹⁵	Rethinking Premodern Materia Medica: Current Research and Future Directions Assoc. Prof. Petros Bouras-Vallianatos, Department of History & Philosophy of Science, NKUA/ IESP
11 ¹⁵ -12 ⁰⁰	Multidisciplinary research on ancient medical status and pharmacology Dr Despoina Ignatiadou, Former Director of National Archaeological Museum, Athens
12-12 ⁴⁵	From traditional to focused ethnography: An introduction Assoc. Prof. Vassiliki Chryssanthopoulou, Department of Philology, NKUA/ IESP
12 ⁴⁵ -13 ³⁰	Lunch
13 ³⁰ -14 ³⁰	Archaeobotany and the Crops of the Past Assoc. Prof. Evi Margaritis, Science and Technology in Archaeology and Culture Research Center, The Cyprus Institute (online)
14 ³⁰ -15	Ethnobotanical data from the Balkans related to skin disorders Ioanna Maltezou, Lab. of Pharmacognosy & Natural Products Chemistry, NKUA
15-15 ³⁰	Ethnobotanical data from the Balkans related to gynaecological diseases Konstantinos Georgoulas, Lab. of Pharmacognosy & Natural Products Chemistry, NKUA
15 ³⁰ -16	Researching traditional plant uses in sociocultural anthropology and folkloristics: The utilisation of folklore archives Panagiotis Pozoglou, Department of Philology, NKUA
16-17 ³⁰	Student Presentations (3)

Tuesday, 7 th July 2026	
	From Ethnobotany to Ethnopharmacology
9-10	Ethics and methods in the field and after the field Prof. Andrea Pieroni, University of Gastronomic Sciences, Pollenzo, Italy
10-10 ³⁰	Plants, People, and Shared Heritage: Mapping Ethnobotanical Knowledge Across Balkan Communities Dr Eva Dina, Lab. of Pharmacognosy & Natural Products Chemistry, NKUA/ IESP
10 ³⁰ -11	Coffee
11-12	The Ethnobotanical Research Workflow: From Fieldwork to Structured Data Prof. Avni Hadjari, University of Pristina, Kosovo
12-13	Lunch
13-14	From Ethnobotanical Field Data to Comparative Analysis: Addressing Methodological Gaps Ass. Prof. Naji Sulaiman, Environmental and Applied Botany, University of Gastronomic Sciences, Pollenzo, Italy
14-14 ³⁰	Plants, people and traditions: ethnobotanical snapshots from Lombardy and beyond Dr. Martina Bottoni, Department of Pharmaceutical Sciences (DISFARM) University of Milan
14 ³⁰ -15	Working with Chemical Databases in Natural Products Research: A Practical Overview Vasilis Kaintas, Lab. of Pharmacognosy & Natural Products Chemistry, NKUA
15-17	Student Presentations (5)

Wednesday, 8 th July 2026	
	Experiential Learning in Traditional Knowledge
9-14	Archaeological Museum of Elefsina
14-15	Lunch
15-16	Lecture: Kykeon and the Eleusinian Mysteries: Exploring the History of a Sacred Elixir Assoc. Prof. Petros Bouras-Vallianatos, Department of History & Philosophy of Science, NKUA/ IESP
16-17	Lecture: The Secret of the Sacred Cup: Ethnopharmacology of Kykeon at the Heart of the Eleusinian Mysteries Dr Antigoni Cheilari, Lab. of Pharmacognosy & Natural Products Chemistry, Dept of Pharmacy, NKUA/ IESP

Thursday, 9 th July 2026	
	Computer Science in Ethnopharmacology
9-9 ¹⁵	Welcome, goals, and overview on computer science lab

	Christian Ebeling, Fraunhofer Institute for Algorithms and Scientific Computing
9 ¹⁵ -9 ⁴⁵	Crash course: From raw data to publication Prof. Avni Hadjari & Uran Lajci, University of Pristina, Kosovo
9 ⁴⁵ -10 ¹⁵	Exercise: EthnoBot study manager: Create a test study and explore its features Theodora Manika, Dept of Informatics and Telecommunications, NKUA/IESP
10 ¹⁵ -10 ⁴⁵	Hands-on: Guided extraction of plant names, usages, locations, and preparations from a publication and and map to ontological and database identifiers Anshulika Saxena, Fraunhofer Institute for Algorithms and Scientific Computing
10 ⁴⁵ -11 ¹⁵	Coffee
11 ¹⁵ -11 ⁴⁵	What are the general problems of data extraction and mapping Prof. Dimitrios Gunopulos, Dept of Informatics and Telecommunications, NKUA/ IESP
11 ⁴⁵ -12	Exercise: Import of PDF publication in Ethnobot DB Uran Lajci, University of Pristina, Kosovo
12-12 ³⁰	Exercise: Query and analyze extracted data from publications with Ethnobot DB Vijay Ingalalli, PangeaBio (online)
12 ³⁰ -13 ³⁰	Lunch
13 ³⁰ -14	Introduction to machine learning and AI tools Dr. Marc Jacobs, Fraunhofer-Institute for Algorithms and Scientific Computing
14-14 ¹⁵	What are RESTFul APIs Christian Ebeling, Fraunhofer Institute for Algorithms and Scientific Computing
14 ¹⁵ -14 ⁴⁵	Exercise: Using RESTFul APIs to query and analyze ethnobotanical and metabolomic data (Jupyter notebooks server or VSC) Anshulika Saxena & David Buchmann., Fraunhofer Institute for Algorithms and Scientific Computing
14 ⁴⁵ -15 ³⁰	Exercise: Data visualization, machine learning, data mining, and data analysis with Orange using data from Ethnobot DB Theodora Manika, Dept of Informatics and Telecommunications, NKUA/IESP
15 ³⁰ -16	Coffee
16-16 ³⁰	Exercise: PhytoCode: Ethnobotical and Natural Products Explorer Christian Ebeling, Fraunhofer Institute for Algorithms and Scientific Computing
16 ³⁰ -17	Wrap-up and discussion of lessons learned

Friday, 10 th July 2026	
	Phytotherapy
9-10	Regulatory approval pathways for Herbal Medicines in EU. The most iconic Greek herbs used traditionally

	Prof. Ioanna Chinou, Lab. of Pharmacognosy & Natural Products Chemistry, Dept of Pharmacy, NKUA / Committee on Herbal Medicinal Products (HMPC), European Medicines Agency (EMA)
10-10 ³⁰	Coffee
10 ³⁰ -11 ³⁰	Herbal Medicines: Penetration into the European and Greek Markets and ELPEN's Business Success Stavroula Chasapoglidou, ELPEN Pharmaceutical
11 ³⁰ -12 ³⁰	Entheogenic Plants and Mushrooms: Transformative Science and Global Regulatory Transition Ass. Prof. Nikolas Fokialakis, Lab. of Pharmacognosy & Natural Products Chemistry, Dept of Pharmacy, NKUA
12 ³⁰ -13 ³⁰	Lunch
13 ³⁰ -14 ³⁰	Phytotherapy in the Age of the Microbiome Dr Eleni Kantzou DDS, Dip.IBLM/BSLM
14 ³⁰ -15 ³⁰	Paeonia Species: From Antiquity to Modern Times Prof. Marina Kritsanida, Université Paris Cité
15 ³⁰ -16 ³⁰	Discussion - Summer School closing

Student Presentations Monday 06/07

ROCKROSE

Dina Evanthia — School of Pharmacy
Sianou Anastasia — School of Pharmacy
Sarantopoulou Dimitra — School of Pharmacy

HELLEBORE

Dina Evanthia — School of Pharmacy
Arapí Eleftheria — School of Pharmacy

SAFFRON

Kaintas Vasileios — School of Pharmacy
Tsitsou Giannoula — Dept of History and Philosophy of Science
Kotsiali Eleni — School of Pharmacy

Student Presentations Tuesday 07/07

IRIS

Georgoulas Konstantinos — School of Pharmacy
Venizelou Rafaella — Dept of History and Philosophy of Science
Loukakis Antonis — School of Pharmacy

MANDRAKE

Dina Evanthia — School of Pharmacy

Kranias Sotiris — School of Pharmacy

Michail Panagiota — Dept of History and Philosophy of Science

DITTANY OF CRETE

Dina Evanthia — School of Pharmacy

Amprasev Aris — School of Pharmacy

Alexiadou Panoraia (Nora) — School of Pharmacy

PEONY

Cheilari Antigoni — School of Pharmacy

Orfanos Manolis — School of Pharmacy

Iliopoulou Maria-Olga-Zacharoula — School of Pharmacy

Dimitriadis Konstantinos — School of Pharmacy

ORCHID

Dina Evanthia — School of Pharmacy

Maltezou Ioanna — School of Pharmacy

Kontoni Ioanna — School of Pharmacy