

CURRICULUM VITAE

PERSONAL DATA



Surname: Pachi

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Academic Position: PhD candidate

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Date of Birth: 1992

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Place of Birth: Attiki, Greece

EDUCATIONAL QUALIFICATIONS

- PhD candidate of Pharmacy (National and Kapodistrian University of Athens) fully granted by the State Scholarships Foundation (IKY), 2018 - today
- MSc in Pharmacognosy and Natural Products Chemistry in Pharmacy (National and Kapodistrian University of Athens), 2015 - 2017
- Chemist (National and Kapodistrian University of Athens), 2010 - 2015

RESEARCH INTERESTS

- Topics: Medicinal Plants, Chemical Analysis, Chios Mastic Gum and products, resins, essential oils, isolation of pure compounds and extracts, quality control procedures, adulteration issues, resins' ageing, metabolomic studies
- Instrumentation / Techniques: High Performance Thin Layer Chromatography (HPTLC), High Performance Liquid Chromatography - Diode Array and Evaporative Light Scattering Detectors (HPLC-DAD-ELSD), Gas Chromatography - Mass Spectrometry (GC-MS), Ultra Performance Liquid Chromatography - High Resolution Mass Spectrometry/Mass Spectrometry (UPLC-HRMS/MS), Nuclear Magnetic Resonance (NMR), Supercritical Fluid Chromatography – Ultraviolet Detector - Mass Spectrometry (SFC-UV-MS), Semi-Preparative & Preparative High Performance Liquid Chromatography – Ultraviolet Detector (Semi-Prep και Prep-HPLC-UV),

Column Chromatography (CC), Thin Layer Chromatography (TLC), Preparative Thin Layer Chromatography (Prep-TLC), Extraction, Hydrodistillation

PARTICIPATION IN CONFERENCES

1. “Chios Mastic Gum: From the chemical characterization of its bioactive constituents to the clinical practice” oral presentation in the 24th Greek Congress of Helicobacter pylori organized by the Greek Association for the study of Helicobacter pylori, 15/03/19 - 16/03/19, Royal Olympic Hotel, Athens, Greece
2. “Purification of Chios Mastic active constituents and development of analytical methods for quality control purposes” poster presented in the 30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), 25/11/18 - 29/11/18, Royal Olympic Hotel, Athens, Greece
3. “Systematic and Holistic Investigation of Pistacia lentiscus resin, a unique product with exceptional pharmacological properties” poster presented in the 66th Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), 26/08/18 – 29/08/18, Parkyard Hotel Shanghai, Shanghai, China
4. “Study of Pistacia lentiscus var. chia fruits in the framework of the European project Exandas” poster presented in the 3rd International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf, 18/10/17 - 21/10/17, Grand Hotel Bansko, Bansko, Bulgaria
5. “Development and application of HPLC-DAD and HPTLC methods for quality control of Chios Mastic and products” poster presented in the 5th AFERP- International Symposium, 17/07/17 - 19/07/17, University of Angers, Angers, France

LANGUAGES

- Greek (Mother tongue)
- English, Level C2 - Proficient user (Cambridge Proficiency Certificate)
- French, Level C1 – Proficient user (Sorbonne Certificate)

PUBLICATIONS

1. Pachi, V. K., Mikropoulou, E. V., Gkiouvetidis, P., Siafakas, K., Argyropoulou, A., Angelis, A., ... & Halabalaki, M. (2020). Traditional uses, phytochemistry and pharmacology of Chios mastic gum (*Pistacia lentiscus* var. *chia*, Anacardiaceae): A review. *Journal of Ethnopharmacology*, 112485.
2. Kontogiannis, C., Georgiopoulos, G., Loukas, K., Papanagnou, E. D., Pachi, V. K., Bakogianni, I., ... & Stamatelopoulos, K. (2019). Chios mastic improves blood pressure haemodynamics in patients with arterial hypertension:

Implications for regulation of proteostatic pathways. *European journal of preventive cardiology*, 26(3), 328-331.