# CURRICULUM VITAE

## PERSONAL DATA

**Surname:** TZIMAS

**First Name:** PETROS

**Academic Position:** PhD candidate, Department of Pharmacognosy and Natural Products Chemistry

**Date of Birth:** 10-02-1991

**Place of Birth:** Athens, Greece

**Professional Address:** University of Athens, Faculty of Pharmacy, Department of Pharmacognosy and Natural Products Chemistry, Panemistimiopolis Zografou, Athens, 15771

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## EDUCATIONAL QUALIFICATIONS

- Degree in Pharmacy (grade Excellent). University of Athens (2016)
- Doctoral studies (ongoing) with subject: "Phytochemical and metabolomic investigation of the genus *Cannabis*". University of Athens, Faculty of Pharmacy, Department of Pharmacognosy and Natural Products Chemistry

## RESEARCH INTERESTS

Application of modern instrumental techniques for the separation of complex mixtures of natural compounds, especially cannabinoids, and/or identity confirmation of isolated analytes, including UPLC-PDA, HPLC-PDA, GC-MS, HPTLC-densitometry and 1D ($^{1}$H- and $^{13}$C) & 2D-NMR spectroscopy.

Development, optimization and validation of chromatographic methods for the quantitative analysis of bioactive compounds of interest.

Investigation of extraction methodologies, with emphasis on "green" approaches (e.g. UAE and SFE), to achieve maximum recovery of target compounds and/or enriched phytochemical profiles in *Cannabis sativa* and other plant extracts.

## PARTICIPATION IN CONFERENCES

1. **Tzimas P**, Chartalou K., Petrakis EA, Angelis A, Halabalaki M, Skaltsounis A-L (2018). Comparative study of different extraction methodologies and seasonal variation of the major cannabinoids in fibre-type *Cannabis sativa* L. Phytopharm Congress 2018, 25-27 June, Horgen, Switzerland. Book of Abstracts, pp. 90-91
2. **Tzimas P**, Petrakis EA, Chartalou K, Angelis A, Halabalaki M, Skaltsounis A-L (2018). Optimized methodology for the recovery of cannabinoids from fibre-type *Cannabis sativa* L.: Monitoring by UPLC-

PDA. 66th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) jointly with the 11th Shanghai TCM conference, 26-29 August, Shanghai, China. Book of Abstracts, p. 216.

3. **Tzimas PS**, Petrakis EA, Chartalou K, Angelis A, Halabalaki M., Skaltsounis, A-L (2018). Green extraction of cannabinoids from fiber-type *Cannabis sativa* L.: Optimization studies and monitoring by UPLC-PDA. Innovation in Medical Cannabis Therapies 2018, 8-9 November, Las Vegas, NV, USA.

4. **Tzimas PS**, Petrakis EA, Angelis A, Halabalaki M, Skaltsounis A-L (2018). Assessment of the effect of extraction solvent on cannabinoid yield and phytochemical profile of fibre-type Cannabis *sativa* L. using UPLC-PDA and HPTLC. 30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), 25-29 November, Athens, Greece. Book of Abstracts, p. 345.

5. Brakatselos C, Delis F, Asprogerakas M.Z., Lekkas P, Tseti I, **Tzimas P**, Petrakis E, Halabalaki M, Skaltsounis L, Antoniou K (2019). Cannabidiol modulates subanesthetic ketamine – induced effects on motor activity and specific neurobiological indices in the adult rat. EBPS (European Behavioural Pharmacology Society) Biennial Meeting, 28-31 August, Braga, Portugal. Book of Abstracts, p. 58.

6. **Tzimas PS**, Petrakis EA, Angelis A, Halabalaki M, Skaltsounis A-L (2019). Integrated approach for the extraction and quality assessment of fibre-type *Cannabis sativa* L. based on UPLC-PDA and HPTLC. 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) in cooperation with the French Society of Pharmacognosy AFERP, 1-5 September, Innsbruck, Austria. Planta Med 2019; 85(18): 1436. **(BEST POSTER PRIZE - AWARDED BY AFERP)**

7. Brakatselos C, Delis F, Asprogerakas MZ, Lekkas P, Tseti I, **Tzimas P**, Petrakis E, Halabalaki M, Skaltsounis L, Antoniou K (2019). Cannabidiol affects subanesthetic ketamine – induced pattern on motor activity and specific neurobiological alterations. 28th Meeting of the Hellenic Society for Neuroscience, 4-6 October, Heraklion, Greece. Book of Abstracts, p. 166.

8. Asprogerakas MZ, Brakatselos C, Delis F, Kourouni S, Lekkas P, Tseti I, **Tzimas PS**, Petrakis EA, Halabalaki M, Skaltsounis LA, Antoniou K (2020). Evaluation of analgesic potential of cannabidiol and cannabidiolic acid in rats. 11th Congress of the Hellenic Society of Basic and Clinical Pharmacology, 2-4 October, Alexandroupolis, Greece. Book of Abstracts, p. 14.

9. Brakatselos C, Delis F, Asprogerakas MZ, Lekkas P, Tseti I, **Tzimas P**, Petrakis EA, Halabalaki M, Skaltsounis L, Antoniou K (2020). Cannabidiol modulates the motor profile and NMDA receptor-related alterations induced by ketamine. 11th Congress of the Hellenic Society of Basic and Clinical Pharmacology, 2-4 October, Alexandroupolis, Greece. Book of Abstracts, p. 5. (*oral presentation*)

**LANGUAGES**

English - Certificate of Proficiency in English (University of Cambridge – ESOL) C2

French - Diplôme d'études en langue française (DELF) B2

**PUBLICATIONS**


1. Brakatselos C, Delis F, Asprogerakas MZ, Lekkas P, Tseti I, **Tzimas PS**, Petrakis EA, Halabalaki M, Skaltsounis LA, Antoniou K (2021). Cannabidiol modulates the motor profile and NMDA receptor-related alterations induced by ketamine. Neuroscience 454, 105-115. DOI: 10.1016/j.neuroscience.2020.09.029.
2. **Tzimas PS**, Petrakis EA, Halabalaki M, Skaltsounis LA. Effective determination of the principal non-psychoactive cannabinoids in fiber-type *Cannabis sativa* L. by UPLC-PDA following a comprehensive design and optimization of extraction methodology. Analytica Chimica Acta (*in press*). DOI: 10.1016/j.aca.2021.338200.