**CURRICULUM VITAE** – **Dr. VLAMAKI GEORGIA**

Name: Vlamaki Georgia

Date of birth: 4/1/1971

Place of birth: Chania, Crete

Nationality: Greek

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Job position: Laboratory teaching stuff (EDIP) at the Laboratory of Analytical and Environmental Chemistry, Mineral Resources Engineering, Technical University of Crete.

**STUDIES**

5/2020 - 9/2024: **Doctor of Philosophy (PhD)** from the Faculty of Mineral Resources Engineering (MRED) of the Technical University of Crete, on the topic "Development/improvement of methodology for the detection of Platinum group metals (PGM) in aqueous samples", under the supervision of Professor N. Kallithrakas-Kontos.

10/1998 - 11/2001: **Master's degree (MSc)** from the General Department of the Technical University of Crete, in the field of Analytical and Environmental Chemistry.

3/1993 - 9/1994: **Postgraduate Scholar** of the Institute of Biology of EKEFE Demokritos.

9/1988 - 9/1992: **Chemistry degree** from the Faculty of Science of the University of Crete (graduation grade 7.08).

**PROFESSIONAL EXPERIENCE**

2013 - Present: Permanent Laboratory Teaching Staff (EDIP) at the Laboratory of Analytical and Environmental Chemistry of the School of Mineral Resources Engineering (MRED), Technical University of Crete, Greece.

2001 - 2013: Laboratory Teaching Staff at the Laboratory of Analytical and Environmental Chemistry, General Department, Technical University of Crete, Greece.

1998 - 2001: Researcher and Laboratory Teaching Staff (PD407/80) at the Laboratory of Analytical and Environmental Chemistry, General Department, Technical University of Crete, Greece.

6/1996 - 5/1998: Researcher in the PENED Program 549-"Composition and origin of ancient silver coins of the time of Alexander the Great".

**TEACHING EXPERIENCE**

1998 – Present: Writing laboratory notes, teaching and organizing the laboratories of the following courses:

• General Chemistry (MRED, ECE)

• Analytical Chemistry (MRED, CHENVENG)

• Environmental Chemistry (CHENVENG)

• Physical Chemistry (MRED, CHENVENG)

• Water Pollution Control (CHENVENG)

**TRAINING PROGRAMS**

1. Erasmus+ training program, University of Edinburgh, United Kingdom, 4-8/9/2023.

2. Erasmus+ training program, University of Girona, Spain, 12-16/9/2022.

3. Erasmus+ training program, Instituto Polytechnico de Braganca, Portugal 14-18/5/2018.

4. Erasmus+ training program, University of Girona, Spain, 6-10/9/2017.

5. Principles and Applications of Metrology in Chemistry, 2/2013, Chania.

6. Advanced Analytical Techniques in Environmental Analytical Chemistry, by the European Environmental Research Institute, 3- 8/7/2000 Ioannina.

**PUBLICATIONS**

1. Optimization of complexing membranes for platinum analysis in water at part per trillion levels by X-ray fluorescence, Vlamaki, G. P., & Kallithrakas-Kontos, N.G., Analytica Chimica Acta, **2024**, 1331, 343306. https://doi.org/10.1016/j.aca.2024.343306.

2. Platinum determination by membrane complexation and energy dispersive x-ray fluorescence analysis—A preliminary study, G. P. Vlamaki, N. G. Kallithrakas-Kontos, I. Queralt, M. Hidalgo, X-Ray Spectrometry **2023**, 1. https://doi. org/10.1002/xrs.3368.

3. N. Kalithrakas – Kontos, A. Katsanos, G. Vlamaki, I. Turatsoglou, Composition and origin of tetradrachms of Alexander the Great, The coinage in the Macedonian area (vol 4), Proceedings of Scientific Meeting B, **2000**.

4. N. Kallithrakas – Kontos, G. Kavelaki and G. Vlamaki, Bromate Analysis by Ion Chromatography Separation and TXRF Detection, International Conference, Instrumental Methods of Analysis Modern Trends and Applications, 19-22 September **1999**, Chalkidiki, Greece, Conference Proceedings, vol.1 .

**INTERNATIONAL CONFERENCES PROCEEDINGS**

1. "Platinum analysis in seawater at sub-ppb levels by X-Ray Fluorescence, after complexing membrane extraction", Georgia Vlamaki and Nikolaos Kallithrakas-Kontos, - European Conference on X-ray Spectrometry 24-28 June 2024, EXRS-2024, Athens, Greece.

2. Analysis of Platinum Group Elements in Water Samples by Energy Dispersive X-Ray Fluorescence, G. Vlamaki and N. Kallithrakas-Kontos- Instrumental methods of Analysis, IMA, 17-20 September 2023 Chania, Greece.

This presentation won the distinction "**Best poster presentation**" of EXSA -European X-ray Spectrometry Association.

3. Analysis of Platinum Group Elements after Membrane Complexing and X-Ray Analysis, Georgia Vlamaki and Nikolaos Kallithrakas-Kontos, European Conference on X-ray Spectrometry 26th June - 01st July 2022, EXRS-2022, Bruges, Belgium.

**LANGUAGES**

Greek (mother tongue),

English (Certificate in Advanced English (C1/C1),

French (B1 level)