

CURRICULUM VITAE

Dr. Vafiadou Asimina

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CURRENT WORK POSITION

Specialized Research & Teaching Staff, Laboratory of Archaeometry, University of the Aegean, Department of Mediterranean Studies.

Expertise: Archaeology and Natural Sciences

Previous work position:

2004-1019: Laboratory Technician, at the Laboratory of Archaeometry, University of the Aegean, Department of Mediterranean Studies.

EDUCATION:

2001-2007 : PhD Thesis at the Laboratory of Archaeometry, University of the Aegean, Department of Mediterranean Studies, entitled «Dating of Egyptian and Hellenic monuments using luminescence methods».

1995-2000 : Bachelor degree in Physics, School of Physics, Faculty of Sciences, Aristotle University of Thessaloniki
Grade: 7.2/10

PROFESSIONAL EXPERIENCE:

Three month training at Risø, Nordic Laboratory for Luminescence Dating, in Denmark, 16/11/2000 – 25/02/2001.

LANGAGUES:

English : First Certificate Degree

French : Superieur III Degree

TECHNICAL KNOWLEDGE:

- Knowledge and use of computers in Windows 7 and 10 environment.

Software: MS Office 365, Origin Pro 9.0, Stat Graphics Plus 5.0, Table Curve 2D.

SCHOLARSHIPS:

- Scholarship from the State Scholarships Foundation (I.K.Y.) for the Phd Thesis preparation.

- Scholarship from the Danish Institute at Athens, for a three month education and training at Risø, National Laboratory, Denmark

CONFERENCES – WORKSHOPS:

- International Conference: «Settlers and Settlement in Ancient Greece, 9000-1000 BC», Rhodes, Greece, 7-11 October 2002.
- «New Technologies in Archaeology», Rhodes, Greece 28 October 2004. One Day seminar within the framework of the “Operational Programme for Education and Initial Vocational Training, Reforming of Program of Studies”.
- International Workshop: “The impact of natural catastrophes on Ancient Mediterranean Civilizations”. Rhodes, 28-30 October 2005.
- «Cultural Tourism in the 3rd Millennium: Rhodes - Employment - Culture», Rhodes, Greece, 17-18 March 2006.
- «New Technologies in Archaeognostic Sciences», Rhodes, Greece, 24 October 2006. One day seminar within the framework of the “Operational Programme for Education and Initial Vocational Training II, Reforming Undergraduate Study Programmes”.
- Greek conference on «Protection Shelters for Antiquities», Rhodes, Greece, 30 Nov-02 Dec. 2007
- 10th International Congress of Egyptologists, Rhodes 22-29 May 2008
- One day workshop «Archaeology and Art at Dodecanese during Late Antiquity». 19 November 2011, Rhodes, Greece.
- 2nd Luminescence in Archaeology International Symposium, 5-7 of September, 2012, Lisbon, Portugal.
- 3rd Symposium – Archaeological Research and New Technologies ARCH_RNT, University of Peloponnese, Department of History, Archaeology and Cultural Resources Management, Kalamata, Greece, October 3-6, 2012
- 8th International Conference, EuroMed 2020, Virtual Event, November 2–5, 2020, Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection, Virtual event
- 16th International Luminescence and Electron Spin Resonance Dating conference (LED2021) held online worldwide between the 13th & 17th of September 2021
- 4th CAA-GR2020/2021 conference ‘*Computer Applications and Quantitative Methods in Archaeology, Greece*’, Athens, Greece. 21-22 October 2021. Web Conference

CONFERENCES – WORKSHOPS – PRESENTATIONS:

- 13th International Conference on Solid State Dosimetry, Athens, Greece, 9-13 July 2001. Liritzis I, Kittis G., Galloway R. B. Bafeiadou A.: Potential dating of carved megalithic stones (granite, basalt, sandstone, calcite): Some novel OSL and TL tests. Poster Presentation.
- 4th Symposium on Archaeometry of the Hellenic Society of Archaeometry, 28-31 May 2003
Liritzis I., Tsamasfyrou I., Vafiadou A.: Chemical analysis of prehistoric obsidian and ceramics by EDXRF and statistical groupings: methodology, errors and examples. (book of abstracts) Poster presentation.
- International Conference: “The Archaeology of World Megalithic Cultures”, Rhodes, 28-31 October 2004

- Liritzis, I., Vafiadou, A., Temple, R.: Nuclear Dating of Megalithic Masonry. (book of abstracts) Oral presentation
- 6th Symposium of the Hellenic Society for Archaeometry, 16th-18th May 2013
Liritzis, I., Aravantinos, V., Polymeris, G., Agiomarnitis, G., Zacharias, N., Fappas, I., Sfamba, I., Vafiadou, A., Kitis, G., Prehistoric Delphi: Luminescence dating on ceramics and stone from Koumoula (Livadhi valley, Parnassus mountain, Delphi, Greece), (book of abstracts) Oral presentation.
 - 7th Balkan Symposium on Archaeometry, Cultural Heritage, Innovation, Digitalization, New Technologies, 22-25 September 2020, Athens, Greece
Vafiadou, A., Polymeris, G.S., Sfamba, I.K., Giannoulatou, V., Kitis, G., Liritzis, I., A comparative luminescence study on several limestone samples of various origins (poster presentation)
 - 6th Symposium – Archaeological Research and New Technologies ARCH_RNT, University of Peloponnese, Department of History, Archaeology and Cultural Resources Management, Kalamata, Greece, October 8-9, 2020
Vafiadou, A., Polymeris, G.S., Kitis, G., Liritzis, I., Thermoluminescence dating of limestone walls from Ithaca (School of Homer) (poster presentation)
 - 2nd e Sino-Hellenic International Conference (SHIC) on Environment & Culture, 17-19 September 2021
Vafiadou A., Malletzidou L., Sfamba I.K., Kitis G., Liritzis I., Polymeris G.S., On the OSL, IRSL and TA-OSL signals in limestones: Contribution and possible implications to the ancient stone structure dating (oral presentation)

PUBLICATIONS:

- Liritzis I., Drakonaki T., Vafiadou A., Sampson A., Boutsika T. (2002): Destructive and non-destructive analysis of ceramics, artifacts and sediments of neolithic Ftelia (Mykonos) by portable EDXRF spectrometer: First results. In A. Sampson (ed.) *The Neolithic settlement at Ftelia, Mykonos*, University of the Aegean, Dept. of Mediterranean Studies (program GAIA, Interreg II), 251-271.
- Liritzis, I., Vafiadou, A., Murray, A., Sampson, A. (2002): Optical stimulated luminescence dating of rock and soil of Neolithic Ftelia, Mykonos. In A. Sampson (ed.) *The Neolithic settlement at Ftelia, Mykonos*, University of the Aegean, Dept. of Mediterranean Studies (program GAIA, Interreg II), 273-278.
- Kittis G., Liritzis I., Vafiadou A. (2002): Deconvolution of optical stimulated luminescence decay curves. *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 254, No 1, 143-149.
- Liritzis, I., Sideris, C., Vafiadou. A., Mitsis, J., (2008): Mineralogical, petrological, and radioactivity aspects of some building material from Egyptian Old Kingdom monuments. *Journal of Cultural heritage*, 9, 1-13.
- Vafiadou, A., Murray, M.S., & Liritzis, I. (2007). Optically stimulated luminescence (OSL) dating investigations of rock and underlying soil from three case studies. *Journal of Archaeological Science*, 34, 10, 1659-1669.
- Liritzis, I., & Vafiadou, A. (2005). Dating of megalithic masonry. Internat Conference, *The Archaeology of World Megalithic Cultures*, Rhodes 28-31 Oct. 2004. Proceedings in *Mediterranean Archaeology & Archaeometry*, Vol5 No1, 25-38.

- I. Liritzis, G. Kitis, R.B. Galloway, A. Vafiadou, N.C. Tsiliganis, G.S. Polymeris (2008). Probing luminescence dating of archaeologically significant carved rock types. *Mediterranean Archaeology & Archaeometry*, Vol 8 No1, 61-79.
- Liritzis, I. and Vafiadou, A. (2012) Calibration aspects of thick source alpha counter ZnS system. *Measurement*, 45, 1966–1980.
- Liritzis, I., Vafiadou, A., Zacharias, N., Polymeris, G.S., and Bednarik, R.G. (2013), Advances in surface luminescence dating: New data from selected monuments, *Mediterranean Archaeology and Archaeometry*, Vol. 3 No 3, 105-115.
- Liritzis, I. and Vafiadou, A. (2015) Surface luminescence dating of some egyptian monuments, *Journal of Cultural Heritage*, 16, 134-150.
- Liritzis, I., Aravantinos, V., Polymeris, G.S., Zacharias, N., Fappas, I., Agiamarniotis, G., Sfampa, I.K., Vafiadou, A., Kitis, G. (2015), Witnessing Prehistoric Delphi by luminescence dating, *Comptes Rendus Palevol*, 14, 219-232.
- Kalaitzaki, A., Vafiadou, A., Frony, A., Reese, D.S., Drivaliari, A., Liritzis, I. (2017), Po-Pu-Re: Workshops, use and archaeometric analysis in Pre-Roman Central Eastern Mediterranean *Mediterranean Archaeology & Archaeometry*, Vol 17 No1, 103-130.
- Bratitsi, M., Liritzis, I., Vafiadou, A., Xanthopoulou, V., Palamara, E., Iliopoulos, I., Zacharias, N. (2018), Critical assessment of chromatic index in archaeological ceramics by Munsell and RGB: Novel contribution to characterization and provenance studies, *Mediterranean Archaeology & Archaeometry*, Vol 18 No2, 175-212.
- Liritzis, I., Polymeris, G.S., Vafiadou, A., Sideris, A., Levy, T.E., (2019), Luminescence dating of stone wall, tomb and ceramics of Kastrouli (Phokis, Greece) Late Helladic settlement: Case study, *Journal of Cultural Heritage*, 35, 76-85.
- Liritzis, I., Bednarik, R.G., Kumar, G., Polymeris, G., Iliopoulos, I., Xanthopoulou, V., Zacharias, N., Vafiadou A., Bratitsi, M. (2019) Daraki-Chattan rock art constrained OSL chronology and multianalytical techniques: A first pilot investigation, *Journal of Cultural Heritage*, 37, 29-43.
- Liritzis, I., Laskaris, N., Vafiadou A., Karapanagiotis I., Volonakis, P., Papageorgopoulou, C., Bratitsi, M. (2020) Archaeometry: An overview, *Scientific Culture*, Vol 6 No1, 49-98, DOI: 10.5281/zenodo.3625220
- Liritzis, I., Xanthopoulou, V., Palamara, E., Papageorgiou, I., Iliopoulos, I., Zacharias, N., Vafiadou, A., Karydas, A.G. (2020) Characterization and provenance of ceramic artifacts and local clays from Late Mycenaean Kastrouli (Greece) by means of p-XRF screening and statistical analysis, *Journal of Cultural Heritage*, 46, 61-81, <https://doi.org/10.1016/j.culher.2020.06.004>.
- Liritzis, I., Drivaliari, A., Vafiadou, A. (2021) A review of archaeometric results on Sarakenos Cave, Greece: First stable isotope data (^{18}O and ^{13}C) on mollusk shell (*Unio* SP) including OSL dating and characterization-provenance of ceramics by pXRF, *Scientific Culture*, 7(1), 93-111.

PROGRAMMS:

- «Week of Science and Technology/Hermes» for TEI of Lamia funded by the General Secretariat for Research and Technology. Project Title: "Applications of science to archaeometry" Zappeion, Athens, Greece 30 June - 7 July 2005.

- e-courses organized by the University of the Aegean «eLearning in Archaeometry: New technologies, Conservation and Management of Antiquities» during October 2012- June 2013 and October 2013- June 2014.
- Technical support for the development of “Open Academic Courses, Department of Mediterranean Studies”, a program that is part of the NSRF 2007-2013 Program, implemented under the OP "Education and Lifelong Learning" and co-funded by the European Union and National Resources for the period 1/9/2014-30/11/2015
- Technical support for the development of “Open Academic Courses, Department of Preschool Education Sciences and Educational Design”, a program that is part of the NSRF 2007-2013 Program, implemented under the OP "Education and Lifelong Learning" and co-funded by the European Union and National Resources for the period 1/9/2014-30/9/2015
- Secretarial support for the program "Practical Training of the Department of Mediterranean Studies", which is part of the NSRF 2007-2013 Program, implemented within the framework of the OP "Education and Lifelong Learning" and co-funded by the European Union and National Resources, for the period 01/06/2015-31/10/2015
- Participation in Athens Science Festival, 29/03-02/04/2016, Technopolis, City of Athens, with the 4th General Lyceum of Rhodes as part of the school’s environmental program titled “The Mediterranean Among Us” presented an interactive work entitled “A trip in the Mediterranean with an archaeometrist”

UNDERGRADUATE COURSES

- Academic writing, 1st semester
- Introduction to Museology, 2nd semester
- Archeology and Science: Interdisciplinary Approaches, 4th semester
- Archaeomaterials, 6th semester
- Issues of Archaeometry, 7th semester
- New Technologies in Archaeognostic Sciences, 8th semester

LECTURES

- Postgraduate course of the University of the Aegean, Dept. of Mediterranean Studies “Archaeology of the Eastern Mediterranean: Greece Egypt and the Near East”

With in the course “New technologies in archaeology of the Eastern Mediterranean: research matters” lecture titled “Introduction in Archaeometry”

Academic years: from 2014-2015 to present

With in the course “New technologies in archaeology of the Eastern Mediterranean: research matters” lecture titled “New technologies in archaeology”

Academic year: 2017-2018

- Postgraduate course of the University of the Aegean, Dept. of Mediterranean Studies “Applied Archaeological Sciences”

With in the course «Analytical methods of portable instrumentation” lecture titled “Basic principles for field measurements in field archaeometry (XRF)”.

Academic year: 2017-2018

- Participation in the seminar “New technologies in Humanities – Specialized training in conservation and digitization of cultural heritage using non-destructive techniques and methods”, organized by Non-Destructive techniques Laboratory, Faculty of Engineering, University of West Attica, 23-24 October, 2021, Rhodes, Greece

Lecture titled “Dating methods in Archaeology”