

CURRICULUM VITAE

Last name: Papadopoulou
Surname: Lambrini
Office tel: (+302310) 998560, 998147
Sex: Female
Marital Status: Married with two children
Nationality: Greek

Email: lambrini@geo.auth.gr

ORCID ID: 0000-0002-4643-9364

Scopus ID: 55984621500

Google Scholar URL: <https://scholar.google.com/citations?hl=el&user=3utcuHoAAAAJ>

EDUCATION

University studies (1986-1990): BSc. in Geology, School of Geology, Aristotle University of Thessaloniki, Greece (grade, 9.14).

Ph.D. Thesis (1991-2003): School of Geology, Department of Mineralogy, Petrology and Economic Geology, Aristotle University of Thessaloniki entitled "Equilibrium of mineral phases, crystallization conditions and evolution of the Maronia pluton, Thrace, N. Greece."

POSTGRADUATE TRAINING

2/1994-5/1994: Training on Rock and Mineral Analytical Methods (X-ray Fluorescence, Microprobe, Neutron Activation) at the Institute of Petrology, University of Vienna.

1994: Participation in seminar funded by the European Union and held at the Aristotle University of Thessaloniki, entitled: "Geological and environmental research on the expansion of cities, the foundation of new settlements, new industry establishments and technical constructions."

June of 2001: Participation in workshop organized by the European Mineralogical Union at Lübeck, Germany entitled "Solid Solutions in silicate and oxide systems of geological importance."

DUTIES

- 2002-2010: Technical assistant in the Department of Mineralogy, Petrology and Economic Geology and in the Scanning Electron Microscope Laboratory of the Aristotle University of Thessaloniki
- 2010-2014: Lecturer at the Department of Mineralogy, Petrology and Economic Geology, School of Geology, Aristotle University of Thessaloniki
- 2014-2018: Assistant professor at the Department of Mineralogy, Petrology and Economic Geology, School of Geology, Aristotle University of Thessaloniki
- 2018-2020: Associate professor at the Department of Mineralogy, Petrology and Economic Geology, School of Geology, Aristotle University of Thessaloniki
- 2020-today: Professor at the Department of Mineralogy, Petrology and Economic Geology, School of Geology, Aristotle University of Thessaloniki

SCHOLARSHIPS-AWARDS

- 1986-1989: Award from the National Foundation of Greece Scholarships (IKY) during all the years of study at the School of Geology, Aristotle University of Thessaloniki
- 1991-1997: Scholarship from the Aristotle University of Thessaloniki
- 1997-1998: Scholarship from the Research Committee of the Aristotle University of Thessaloniki.

- 2006: First award at the 26th Panhellenic Dental Conference, Athens, 2006 for the oral presentation: Kontonasaki E, Papadopoulou L, Kantiranis N, Kabouras P, Xatzistavrou X, Zorba F, Theoxaridou A, Kostopoulos E, Sibropoulou A, Paraskevopoulos K, Koidis P “Assessment of the microstructural, mechanical and biological properties of a dental low fusion porcelain.”
- 2007: Second award at the 31st Annual Conference of the European Prosthodontic Association, Athens, 2007, for the poster: Theoharidou A., Kontonasaki E., Oraiopoulou X., Papadopoulou L., Chatzistavrou X., Sivropoulou A., Paraskevopoulos K.M., Koidis P. “Periodontal ligament fibroblasts’ behavior on modified bioactive dental ceramic coatings”.
- 2009: Second award at the 29th Pan-Hellenic Dental Conference, Ioannina, 2009 for the presentation: Siarampi E, Kontonasaki E, Papadopoulou L, Kantiranis N, Zorba F, Paraskevopoulos K, Koidis P. “Investigation of the flexural strength and probability of failure of Y-TZP ceramic cores for all-ceramic restorations.”

RESEARCH INTERESTS

Mineralogy and petrology of igneous and metamorphic rocks; applications of scanning electron microscopy equipped with energy dispersive X-ray spectrometer (SEM-EDS); morphological surface characterization and qualitative microanalysis of crystals, minerals and mineral phases; dental ceramics and biomaterials; cultural heritage; pottery and ceramic analysis; morphological characterization of food remains from archeological sites.

RESEARCH

- Participation in research program entitled “Museum of Natural History, Axioupoli, Kilkis, Greece.”
- Participation in research program entitled “Study of gold, silver and stone archaeological findings from the excavations of ancient Mesimbria, North Greece.”
- Participation in research program entitled “Strategy for the confrontation and the prediction of industrial change on employment in the marble industry.”
- Participation in research program entitled “Bioactive Materials: Application on fixed dental restorations.”
- Participation in research program entitled “Biological response and interactions of fibroblast cell lines to dental ceramics modified by bioactive glass.”
- Participation in research program entitled “Contemporary materials with bioactive behaviour - Study of physicochemical properties and cellular response of new types of dental ceramics modified by bioactive ceramics.”
- Participation in research program entitled “Development of dental bioactive ceramic materials conjugated with polymeric scaffolds for tissue regeneration (BIOKERIKRIA).”
- Research Committee program entitled: “Synthesis and study of the structure and the physicochemical-biological properties of magnesium-based bioceramic scaffolds.”
- Participation in research program entitled “Dental Tissue Engineering using novel biomimetic scaffold materials in combination with stem cells of dental origin and low level laser irradiation (DentBioTisEng)”
- Participation in ERC funded research project entitled “PlantCult. Investigating the food cultures of Ancient Europe: an interdisciplinary investigation of plant ingredients, culinary transformation and evolution through time.”

PUBLICATIONS

1. Papadopoulou L., Pavlidou E., Kontonasaki E., Paraskevopoulos K., Sklavounos S., Koidis P. (2001). SEM investigation of biological apatite polymorphism developed in vitro on dental ceramics. Proceedings of the VII Scientific Congress of Hellenic Electron Microscopy Society, Ziti Publications, 53-58.
2. Kontonasaki E., Zorba T., Papadopoulou L., Pavlidou E., Chatzistavrou X., Paraskevopoulos K., Koidis P. (2002). Hydroxy carbonate apatite formation on particulate bioglass in vitro as a function of time. Journal of Crystal Research and Technology 37(11): 1165-71.
3. Papadopoulou L., Kontonasaki E., Zorba T., Chatzistavrou X., Pavlidou E., Paraskevopoulos K., Sklavounos S., Koidis P. (2003). Dental ceramics coated with bioactive glass: Surface changes

after exposure in a simulated body fluid under static and dynamic conditions. *Physica Status Solidi (a)* 198(1):65-75.

4. Kontonasaki E., Papadopoulou L., Zorba T., Pavlidou E., Paraskevopoulos K., Koidis P. (2003). Apatite formation on dental ceramics modified by a bioactive glass. *Journal of Oral Rehabilitation* 30:893-902.
5. Georgantzi B., Papadopoulou L., Zorba T., Garefis P., Paraskevopoulos K., Koidis P. (2004). Development of hydroxycarbonate apatite on hybrid polymers used in fixed restorations modified by bioactive glass. *Physica Status Solidi (a)* 201 (4):733-738.
6. Pritsos C., Kontonasaki E., Chatzistavrou X., Papadopoulou L., Pappas F., Koidis P., Paraskevopoulos K.M. (2005). Studying morphological characteristics of thermally treated bioactive glass ceramic using image analysis. *Journal of the European Ceramic Society* 25: 891-897.
7. Kontonasaki E., Sivropoulou A., Papadopoulou L., Garefis P., Paraskevopoulos K., Koidis P. (2006). Attachment and proliferation of human periodontal ligament fibroblasts on fibronectin-coated bioactive glass modified ceramics. *Key Engineering Materials*, 309-311:727-730.
8. Kontonasaki E., Papazisis K., Papadopoulou L., Zorba T., Kortsaris A., Garefis P., Paraskevopoulos K. M., Koidis P. (2006). Expression of bioactivity and biocompatibility testing of bioactive glass modified zinc phosphate luting cement. *Key Engineering Materials*, 309-311: 813-816.
9. Kontonasaki E., Papadopoulou L., Zorba T., Siarampi E., Papazisis K., Kortsaris A., Paraskevopoulos K. M., Koidis P. (2006). Effect of bioactive glass/cement weight ratio on bioactivity and biocompatibility of a bioactive glass modified glass ionomer cement. *Key Engineering Materials*, 309-311: 877-880.
10. Kontonasaki E., Sivropoulou A., Papadopoulou L., Garefis P., Paraskevopoulos K., Koidis P. (2007). Attachment and proliferation of human periodontal ligament fibroblasts on bioactive glass modified ceramics. *Journal of Oral Rehabilitation* 34: 57-67.
11. Kontonasaki E., Kantiranis N., Chatzistavrou X., Papadopoulou L., Paraskevopoulos K., Koidis P. (2008). Studying Dental Ceramic-Bioactive Glass Composites. *Key Engineering Materials Vols. 361-363*, pp 881-884.
12. Kontonasaki E., Kantiranis N., Papadopoulou L., Chatzistavrou X., Kavouras P., Zorba T., Sivropoulou A., Chrissafis K., Paraskevopoulos K. M., Koidis P. T. (2008). Microstructural characterization and comparative evaluation of physical, mechanical and biological properties of three ceramics for metal-ceramic restorations. *Dental Materials* 24, 1362-1373.
13. Chatzistavrou X., Kontonasaki E., Kantiranis N., Papadopoulou L., Koidis P., Hatzikraniotis E., Paraskevopoulos K. (2008). Characterization and in vitro bioactivity study of ternary glass-ceramic coatings. *Mater. Res. Soc. Symp. Proc. Vol. 1054* © 2008 Materials Research Society (Paper Number 1054-FF05-29).
14. Tsiptsias C., Tsvintzelis I., Papadopoulou L., Panayiotou C. (2008). A novel method for producing tissue engineering scaffolds from chitin, chitin-hydroxyapatite, and cellulose. *Materials Science & Engineering C* 29, 159-164.
15. Tsiptsias C., Stefopoulos A., Kokkinomallis I., Papadopoulou L., Panayiotou C. (2008). Development of micro- and nano-porous composite materials by processing cellulose with ionic liquids and supercritical CO₂. *Green Chemistry* 10, 965-971.
16. Goudouri O.M., Kontonasaki E., Kantiranis N., Chatzistavrou X., Papadopoulou L., Koidis P., Paraskevopoulos K.M. (2009). A bioactive glass/dental porcelain system by the sol gel route: Fabrication and Characterization. *Key Engineering Materials Vols. 396-398*, pp 95-98.
17. Hatzistavrou E., Chatzistavrou X., Papadopoulou L., Kantiranis N., Chrissafis K., Boccaccini A.R., Paraskevopoulos K.M. (2009). Sol-gel hydroxyapatite-CaO composites: Fabrication and Bioactivity Studies. *Key Engineering Materials Vols. 396-398*, pp 99-102.
18. Chatzistavrou X., Kantiranis N., Papadopoulou L., Kontonasaki E., Boccaccini A.R., Koidis P., Paraskevopoulos K.M. (2009). Dental ceramics modified by ternary glass-ceramic coatings: Characterization and in vitro bioactivity study. *Key Engineering Materials Vols. 396-398*, pp 111-114.
19. Papadopoulou E., Papadopoulou L., Paraskevopoulos K.M., Koidis P., Sivropoulou A. (2009). *Pseudomonas A1* influences the formation of hydroxyapatite and degrades bioglass. *Materials Science and Engineering B* 165, pp 239-242.

20. Hatzistavrou E., Chatzistavrou X., Papadopoulou L., Kantiranis N., Kontonasaki E., Boccaccini A.R., Paraskevopoulos K.M. (2010). Characterisation of the bioactive behaviour of sol-gel hydroxyapatite-CaO and hydroxyapatite-CaO-bioactive glass composites. *Materials Science and Engineering C* 30, pp 497-502.
21. Goudouri O.M., Chatzistavrou X., Kontonasaki E., Kantiranis N., Papadopoulou L., Chrissafis K., Paraskevopoulos K.M. (2009). Study of the Bioactive Behavior of Thermally Treated modified 58S Bioactive Glass. *Key Engineering Materials Vols.* 396-398, pp 131-134.
22. Chatzistavrou X., Hatzistavrou E., Kantiranis N., Papadopoulou L., Kontonasaki E., Chrissafis K., Koidis P., Paraskevopoulos K.M., Boccaccini A.R. (2009). Novel glass-ceramics for dental application by sol gel technique. *Key Engineering Materials Vols.* 396-398, pp 153-156.
23. Tsimpliaraki A., Svinterikos S, Panayiotou C., Marras S.I., Zuburtikudis I. And Papadopoulou L. (2010). PBSA/layered silicate nanocomposites and the role of nanoclay on their electrospun fibrous structure. *Int. J. Nanomanufacturing*, Vol. 6, Nos. 1/2/3/4, pp 291-299.
24. Tsiptsias C., Sakellariou K., Tsvintzelis I., Papadopoulou L. and Panayiotou C. (2010). Preparation and characterization of cellulose acetate-Fe₂O₃ composite nanofibrous materials. *Carbohydrate Polymers* 81 (4), pp 925-930.
25. Charalambous A. C., Sakalis A. J., Kantiranis N. A., Papadopoulou L. C., Tsirliganis N. C. and Stratis J. A. (2010). Cypriot byzantine glazed pottery: a study of the Paphos workshops. *Archaeometry* 52, 4, pp 628-643.
26. Christofides G., Papadopoulou L., Soldatos, T. and Koroneos, A. (2010). Crystallization conditions of the Xanthi Plutonic Complex (Rhodope Massif, N. Greece): Geothermometry and geobarometry. *Proceedings of the XIX Carpathian Balkan Geological Association Congress, Special Volume 99*, pp199-207.
27. Bourliva A., Papadopoulos A., Giouri A., Papadopoulou L. And Kantiranis N.(2010). On the mineralogy, physical characteristics and the main elemental content of urban road dust particles from the historic centre of the city of Thessaloniki,Northern Greece. *Proceedings of the XIX Carpathian Balkan Geological Association Congress, Special Volume 100*, pp 31-38.
28. Lazaridis G., Melfos V. and Papadopoulou L. (2011). The first cave occurrence of orpiment (N. Greece). *International Journal of Speleology*, 40 (2), pp 133-139.
29. Goudouri O.M., Kontonasaki E., Theocharidou A., Papadopoulou L., Kantiranis N., Chatzistavrou X., Koidis P., Paraskevopoulos K.M. (2011).Modifying a dental ceramic by bioactive glass via the sol-gel route: Characterization and bioactivity investigation. *Materials Chemistry and Physics* 125 (1-2), pp. 309-313
30. Chatzistavrou X., Kantiranis N., Kontonasaki E., Chrissafis K., Papadopoulou L., Koidis P., Boccaccini A.R., Paraskevopoulos K.M.(2011). Thermal analysis and in vitro bioactivity of bioactive glass-alumina composites. *Materials Characterization* 62 (1), pp. 118-129.
31. Manda M, Goudouri O-M, Papadopoulou L, Kantiranis N, Christofilos D, Triantafyllidis K, Paraskevopoulos K.M, Koidis P. (2012). Material characterization and bioactivity evaluation of dental porcelain modified by bioactive glass. *Ceramics International* 38, pp. 5585-5596.
32. Siarampi E., Kontonasaki E., Papadopoulou L., Kantiranis N., Zorba T., Paraskevopoulos K. M., Koidis P. (2012). Flexural strength and the probability of failure of cold isostatic pressed zirconia core ceramics. *Journal of Prosthetic Dentistry*, Vol. 108 (2), pp. 84-94
33. Marianthi M., Moschakis N., Konstantinidis A., Christophilos D.,Papadopoulou L., Koidis P., Aifantis E. (2012). Probing the mechanical properties of dental porcelain through nanoindentation. *Journal of the Mechanical Behavior of Materials*, 21(1-2):41-46.
34. Iordanidis A., Garcia-Guinea J., Giousef C., Agelopoulos A., Doulgerakis M., Papadopoulou L. (2013). Characterization of gallbladder stones from cholelithiasis patients of Northern Greece, using complementary techniques. *Spectroscopy Letters: An International Journal for Rapid Communication*, 46:4, 301-306.
35. Mahmoud H.M., Papadopoulou L. (2013). Archaeometric analysis of pigments from the Tomb of Nakht-Djehuty (TT189), El-Qurna Necropolis, Upper Egypt. *Archeosciences, revue d'archéométrie*, 37, 19-32.
36. Vatali A., Kontonasaki E., Kavouras P., Kantiranis N., Papadopoulou L., Paraskevopoulos K.M., Koidis P. (2014). Effect of heat treatment and in vitro aging on the microstructure and mechanical properties of cold isostatic-pressed zirconia ceramics for dental restorations. *Dental Materials*, 30, 272-282.

37. Goudouri O.M., Kontonasaki E., Papadopoulou L., Kantiranis N., Lazaridis N.K., Chrissafis K., Chatzistavrou X., Koidis P., Paraskevopoulos K.M. (2014). Towards the synthesis of an experimental bioactive dental ceramic. Part I: Crystallinity, characterization and bioactive behavior evaluation. *Materials Chemistry and Physics*, 145, 125-134.
38. Zougrou M., Katsikini M., Pinakidou F., Paloura E. C., Papadopoulou L., Tsoukala E. (2014). Study of fossil bones by synchrotron radiation micro-spectroscopic techniques and scanning electron microscopy. *J. Synchrotron Rad.*, 21, 149-160.
39. Georgiadis I.K., Koroneos A., Papadopoulou L., Kantiranis N., Tamparopoulos A.E., Tsirambides A. (2014). Using detrital garnets to determine provenance: A case study from the Vertiskos Unit (Serbomacedonian Massif, N. Greece). *Mineralogy and Petrology*, 108(2), pp. 187-206
40. Zougrou I.M., Katsikini M., Pinakidou F., Papadopoulou L., Tsoukala E., Paloura E.C. (2014). Influence of depositional environment in fossil teeth: A micro-XRF and XAFS study. *Journal of Physics: Conference Series*, 499(1), conference 1, 012015, p. 11.
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42. Kontonasaki E., Bakopoulou A., Theocharidou A., Theodorou G.S., Papadopoulou L., Kantiranis N., Bousnaki M., Chatzichristou C., Papachristou E., Paraskevopoulos K.M., Koidis P. (2015). Effective Cell Growth Potential of Mg-Based Bioceramic Scaffolds towards Targeted Dentin Regeneration. *Balkan J Dent Med*, 19, pp. 75-85
43. Zougrou I.M., Katsikini M., Brzhezinskaya M., Pinakidou F., Papadopoulou L., Tsoukala E., Paloura E. C. (2016). Ca L_{2,3}-edge XANES and Sr K-edge EXAFS study of hydroxyapatite and fossil bone apatite. *Science of Nature*, 103(7): 60.
44. Papadopoulos A., Koroneos A., Christofides G., Papadopoulou L. (2016). Geochemistry of beach sands from Kavala, Northern Greece. *Italian Journal of Geosciences*, 135(3), pp. 526-539.
45. Bourliva A., Papadopoulou L., Aidona E. (2016). Study of road dust magnetic phases as the main carrier of potentially harmful trace elements. *Science of the Total Environment*, 553, pp. 380-391.
46. Aidona E., Grison H., Petrovsky E., Kazakis N., Papadopoulou L., Voudouris K. (2016). Magnetic characteristics and trace elements concentration in soils from Anthemountas River basin (North Greece): discrimination of different sources of magnetic enhancement. *Environmental Earth Sciences*, 75 (20), art. no. 1375.
47. Beketova A., Poulakis N., Bakopoulou A., Zorba T., Papadopoulou L., Christofilos D., Kantiranis N., Zachariadis G.A., Kontonasaki E., Kourouklis G.A., Paraskevopoulos K.M., Koidis P. (2016). Inducing bioactivity of dental ceramic/bioactive glass composites by Nd:YAG laser. *Dental Materials*, 32(11), pp. e284-e296.
48. Papadopoulos A., Koroneos A., Christofides G., Papadopoulou L., Tzifas I., Stoulos S. (2016). Assessment of gamma radiation exposure of beach sands in highly touristic areas associated with plutonic rocks of the Atticocycladic zone (Greece). *Journal of Environmental Radioactivity*, 162-163, pp. 235-243.
49. Bourliva A., Papadopoulou L., Aidona E., Simeonidis K., Vourlias G., Devlin E., Sanakis Y. (2017). Enrichment and oral bioaccessibility of selected trace elements in fly ash-derived magnetic components. *Environmental Science and Pollution Research*, 24(3) pp. 2337-2349.
50. Theodorou G.S., Kontonasaki E., Theocharidou A., Bakopoulou A., Bousnaki M., Hadjichristou C., Papachristou E., Papadopoulou L., Kantiranis N.A., Chrissafis K., Paraskevopoulos K.M., Koidis P.T. (2016). Sol-Gel Derived Mg-Based Ceramic Scaffolds Doped with Zinc or Copper Ions: Preliminary Results on Their Synthesis, Characterization, and Biocompatibility. *International Journal of Biomaterials*, DOI: 10.1155/2016/3858301.
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52. Bourliva A., Christophoridis C., Papadopoulou L., Giouri K., Papadopoulos A., Mitsika E., Fytianos K. (2017). Characterization, heavy metal content and health risk assessment of urban road dusts from the historic center of the city of Thessaloniki, Greece. *Environmental Geochemistry and Health*, 39 (3), pp. 611-634.

53. Bourliva A., Papadopoulou L., Aidona E., Giouri K., Simeonidis K., Vourlias G. (2017). Characterization and geochemistry of technogenic magnetic particles (TMPs) in contaminated industrial soils: Assessing health risk via ingestion. *Geoderma*, 295, pp. 86-97.
54. Goudouri O.-M., Kontonasaki E., Papadopoulou L., Manda M., Kavouras P., Triantafyllidis K.S., Stefanidou M., Koidis P., Paraskevopoulos K.M. (2017). An experimental bioactive dental ceramic for metal-ceramic restorations: Textural characteristics and investigation of the mechanical properties. *Journal of the Mechanical Behavior of Biomedical Materials*, 66, pp. 95-103.
55. Bourliva A., Papadopoulou L., Aidona E., Giouri K. (2017). Magnetic signature, geochemistry, and oral bioaccessibility of “technogenic” metals in contaminated industrial soils from Sindos Industrial Area, Northern Greece. *Environmental Science and Pollution Research*, 24(20), pp. 17041-17055.
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