

**SHORT C.V. OF PARASKEVI LAMPROPOULOU**

**Table of selected bibliographic data**

<i>Full Name</i>	Paraskevi Lampropoulou (email address: <a href="mailto:p.lampropoulou@upatras.gr">p.lampropoulou@upatras.gr</a> )
<i>BSc</i>	1997. Geology, University of Patras, Greece.
<i>Phd</i>	2003. (Geology Department, University of Patras, Greece). Dissertation Title: «Mineralogical study and properties of basic refractories and new synthesized magnesia-spinel compositions derived from magnesite of N. Evian, Greece».
<i>Laboratory Experience:</i>	XRD analyses, SEM EDX/WDX analyses, optical microscopy, chemical analyses with AAC, Laser Raman, thermal analyses, grain analyses, beneficiation of materials, thermo mechanical properties calculations (porosity, density, cold crushing strength, coefficient of expansion), characterization of watery solutions, CL, preparation of thin sections for microscopy analyses
<i>Employment</i>	<p>2000 to 5/2006: Research association of the Materials and Metallurgy laboratory of Chemical Engineering Department, University of Patras.</p> <p>06/2006 – 05/2016: Operational and Administrative support to the XRD lab in Section of earth materials, Geology Department, University of Patras . Administrative and secretarial support to the Section of earth materials, Geology Department.</p> <p>06/2014 – today: Faculty member of Geology Department, University of Patras, Greece, teaching at laboratories of lessons Materials of Earth I, I I(Mlralogy I,II) and Petrography I (-2017), II. Operational and Administrative support to the XRD lab in Section of earth materials, Geology Department, University of Patras . Administrative and secretarial support to the Section of earth materials, Geology Department.</p> <p><u>Other Teaching experience</u></p> <p>1997-2002: Teaching assistant of the lab exercises of the petrology of metamorphic rocks lesson (during my Ph-D), Geology department, University of Patras.</p> <p>2003-2006: Adjunct lecturer (P.D. 407/80) of Geology department, University of Patras in the lessons of Materials of Earth I: Crystals Structure and mineral properties and Materials of Earth II: Crystals chemistry and systematic of minerals.</p> <p>2003-2005: Adjunct Teaching Assistant in Technical Geology in the Dept. of Civil Engineering of the Technological Educational Institute of Patras.</p>
<i>Knowledge of foreign Languages</i>	<i>English:</i> (Lower)
<i>Participation in research projects</i>	<p>I have been obtained a great additional of laboratory and scientific experience with my participation from 1998 till now in 18 scientific projects:</p> <p><u>Representative</u></p> <p>«Utilization of red mud in the cement and ceramic industries», Funding: General Secretariat of Research and Technology.</p> <p>«Scientific analyses of wear damage of Glafkou hydro electric station's equipment and analyses of solid precipitations», Funding: Public Industry of Electricity, Greece.</p> <p>«Analysis of water quality and its pendulous solids of Glafkou hydro electric station, Financial contribution: Public Industry of Electricity, Greece.</p> <p>«Scientific tests of synthesis of a light weight material and stabilizing of metallurgical wastes by the utilization ...», Funding: ELKEME SA</p>

	<p>«Development of high technology's and friendly to the environment new products derived from basic materials, Funding: General Secretariat of Research and Technology.</p> <p>«Mineralogical analyses, grain size analyses and microstructure characterization of raw materials of metamorphic and igneous rocks, bauxite, dolomite, calcite and Aluminum byproducts (ALUFLUX) and their stone wool products. Sub Project of «Development of a new stone wool product with special requirements and low iron and Nickel content using Aluminum byproducts (ALUFLUX)», 914-BET-2013.</p> <p>«A metallurgical technology development for the Greek Bauxite....», Funding :General Secretariat of Research and Technology</p>
<i>Reviewer</i>	International GSE Congress, Arabian Journal of Geosciences Bulletin of the Mineral Research and Exploration
<i>Creator of Scientific Mobile phone applications</i>	MineralMicr (Mineralogical application for Android and I-phone)
<i>Other activities</i>	Seminars- workshop and Meeting, Writing technical reports and proposals for scientific projects, Writing geological technical reports for Patras area, Characterization of materials and writing their respective reports for industries (Hondros S., ATE OMAS, ACHAIA CERAMICS, Smeltery of Epirus ABEE, MECHANICAL AE., Τ.ΕΠΙ.ΚΑΤ.ΕΠΕ, Mining Company of Kozani, Greece)
<i>Research in progress</i>	<p>1) Petrographic and mineralogical characterization of earth materials (as beach rocks, volcanic rocks, ultramafic rocks): Research and/or industrial uses.</p> <p>2) Utilization of byproducts for the production new friendly to the environment materials ( as ceramics, geopolymer, aggregates).</p>
<i>Publications:</i>	14 in scientific journals (peer reviewed), 14 full article in Proceedings of International and National Conferences, 7 abstracts

#### Representative publications

- LAMPROPOULOU P., KATAGAS C., PAPAMANTELLOS D. (2005): Composition of periclase and calc-silicate phases in magnesia refractories derived from natural microcrystalline magnesite. Journal of the American Ceramic Society. 88, 6 1568-1574.
- LAMPROPOULOU P., KATAGAS C. (2008): Effects of zirconium silicate and chromite addition on the microstructure and bulk density of magnesia-magnesium aluminate spinel-based refractory materials. Ceramics International. 34, 1247-1252.
- RATHOSSI C., LAMPROPOULOU P., SKOURLIS K. AND KATAGAS C. (2012): Mineralogical and microstructure of clay-bearing sediments of NE Peloponnese (Greece): Indices for physical and mechanical behaviour in civil engineering works. Clay Minerals- Journal of Fine Particle Science. 47, 259-274.
- LAMPROPOULOU P., KATAGAS C., ILIOPOULOS I., PAPOULIS D. (2013): New periclase- magnesium aluminate spinel refractories from sintered high purity dead burned magnesite and new various presynthesized spinel-based compositions (I): Study in terms of mineralogical composition, microstructure, thermal expansion and cold crushing strength. Refractories and Industrial Ceramics. 53 (5), 310-316.
- LAMPROPOULOU P., KATAGAS C., ILIOPOULOS I. (2013): New periclase- magnesium aluminate spinel refractories from sintered high purity dead burned magnesite and new various presynthesized spinel-based compositions (II): Compositional variation between coexisting spinel, periclase, Ca silicate and Ca-aluminate phases in magnesia spinel refractories and in their spinel-based precursors. Refractories and Industrial Ceramics. 53 (6), 364-378.
- AVRAMIDIS P., SAMIOTIS A., KALIMANI E., PAPOULIS D. LAMPROPOULOU P., BEKIARI V. (2013): Sediment characteristics and water physicochemical parameters of the Lusimachia lake western Greece. Environmental Earth Sciences. 70, 383-392.
- AVRAMIDIS P., ILIOPOULOS G., PANAGIOTARAS D., PAPOULIS D., LAMPROPOULOU P., KONTOPOULOS N.,

- SIIVALAS G., CHRISTANIS K.. (2014): «Tracking Mid- to Late Holocene depositional environments by applying sedimentological, palaeontological and geochemical proxies, Amvrakikos coastal lagoon sediments, Western Greece, Mediterranean Sea», *Quaternary International.*, 332, p.19-36.
- NIKOLAKOPOULOS K.G., LAMPROPOULOU P., PAPOULIS D., ROGKALA A., GIANNAKOPOULOU P. P., PETROUNIAS P. (2018). Combined Use of Remote Sensing Data, Mineralogical Analyses, Microstructure Studies and Geographic Information System for Geological Mapping of Antiparos Island (Greece). *Geosciences*.8 (96), 2 - 16.
  - PETROUNIAS P., GIANNAKOPOULOU P.P., ROGKALA A., STAMATIS P.M., TSIKOURAS B., PAPOULIS D, LAMPROPOULOU P., HATZIPANAGIOTOU K. (2018). The Influence of Alteration of Aggregates on the Quality of the Concrete: A Case Study from Serpentinites and Andesites from Central Macedonia (North Greece). *Geosciences*. 8 (115), 2- 17.
  - PAPOULIS D., TZORTZAKI O., AVRAMIDIS P., MENTIS P., LAMPROPOULOU P., ILIOPOULOS G. (2018). Mineralogical and textural characteristics of nest building geomaterials used by three sympatric mud-nesting hirundine species. *Scientific Reports*. 8:11050, 1-13, DOI:10.1038/s41598-018-29307-8.
  - PETROUNIAS P., GIANNAKOPOULOU P.P., ROGKALA A., LAMPROPOULOU P., KOUTSOPOULOU E., PAPOULIS D., TSIKOURAS B., HATZIPANAGIOTOU K. (2018). The impact of secondary phyllosilicate minerals on the engineering properties of various igneous aggregates from Greece. *Minerals*. 8(329), doi:10.3390/min8080329.
  - LAMPROPOULOU P., ALEXOPOULOU I., ANGELOPOULOS G. (2003): Agglomeration of dust and sludge of the FeNi production. *ERZMETALL*. 56 ( 9), 551-557.
  - PAPOULIS D., KORDOULI E., LAMPROPOULOU P., RAPSOMANAKIS A., KORDULIS C., PANAGIOTARAS D., THEOPHYLACTOU K., STATHATOS E., KOMARNENI S. (2014): Synthesis, Characterization and Photocatalytic Activities of Fly ash-TiO<sub>2</sub> Nanocomposites for the Mineralization of Azo Dyes in Water. *Journal of Surfaces and Interfaces of Materials*. 2, 261-266.