

# CURRICULUM VITAE

## POLYXENI KALLIOGLOU

### • PERSONAL DETAILS

<u>Date of birth</u>	6 June 1972	<u>Correspondence Address</u>	Department of Civil Engineering, University of Thessaly, Pedion Areos, 38334 Volos, Greece
<u>Place of birth</u>	Thessaloniki, Greece	<u>Telephone</u>	+302421074159
<u>Occupation</u>	Civil Engineer	<u>e-mail</u>	<b>kalliogl@uth.gr</b>

### • EDUCATION

2003 Aristotle University of Thessaloniki (A.U.Th.)  
*PhD, Department of Civil Engineering, Division of Geotechnical Engineering*

1996 Aristotle University of Thessaloniki (A.U.Th.)  
Diploma, Department of Civil Engineering

### • SCHOLARSHIPS – DISTINCTIONS

1. Scholarship from IKY during undergraduate studies
2. Greek representative to the European Conference of Young Geotechnical Engineering in Bulgaria 2001 (publication 3.6)
3. Invited lecturer of TEE (2009)

### • LANGUAGES

English Proficiency  
Italian Diploma

### • PROFESSIONAL ACTIVITY

2014 – today Lecturer, Department of Civil Engineering, University of Thessaly.

2002-2013 Directorate of Survey and Construction, General Directorate of Technical Services and Computerization, Aristotle University of Thessaloniki

1996-2014 Researcher, Laboratory of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki

2005-2013 Department of Civil Engineering, University of Thessaly.

2004-2006 Department of Civil Engineering, Technological Educational Institute of Central Macedonia

2004-2007 Department of Technical Infrastructures, Alexander Technological Educational Institute

1996-1999 Civil Engineer – Free lancer

### • MEMBERSHIP

1996 - σήμερα Technical Chamber of Greece

2003 - σήμερα Hellenic Society of Soil Mechanics and Geotechnical Engineering (HSSMGE)

2003 - σήμερα International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)

### • REVIEWER OF SCIENTIFIC PAPERS

1. Geotechnical and Geological Engineering (Springer)
2. Engineering Geology (Elsevier)

• **SCIENTIFIC CONFERENCES**

- 2014 Seventh Greek Conference on Geomechanics, Athens, Greece.
- 2014 International Symposium of Geomechanics from Micro to Macro, Cambridge, UK
- 2012 That culture is the greatest achievement of people: Sciences and human sciences : Theory and practice, Athens, Greece
- 2011 XV European Conference on Soil Mechanics and Geotechnical Engineering, Athens, Greece
- 2008 Third Greek Conference on Earthquake Engineering and Engineering Seismology, Athens, Greece
- 2006 Fifth Greek Conference on Geomechanics and Geoenvironmental Engineering, Xanthi, Greece
- 2004 International Seminar on Geotechnics in Pavement and Railway Design and Construction, Athens, Greece
- 2003 Third International Symposium on Deformation Characteristics of Geomaterials, Lyon, France
- 2002 Twelfth European Conference on Earthquake Engineering, London, UK
- 2001 XIV European Young Geotechnical Engineer's Conference, Bulgaria
- 2001 XV International Conference on Soil Mechanics and Geotechnical Engineering, Instabul, Turkey
- 2001 Fourth Greek Conference on Geotechnical and Geoenvironmental Engineering, Athens, Greece
- 2001 First Greek Conference of Civil Engineer Students, University of Parta, Patra, Greece
- 1999 Second International Symposium on Prefailure Deformation Characteristics of Geomaterials, Turin, Italy
- 1997 SERINA – Seismic Risk: An Integrated Seismological, Geotechnical & Structural Approach European Commission, Directorate General for Science, Research and Development, Thessaloniki, Greece
- 1997 Seismic Risk, Prevention, Protection & Management European Public Law Centre, European Union, Spetses Island, Greece

• **SEMINARS**

- 2012 The practice of negotiation, National Center for Public Administration and Local Government, Thessaloniki, Greece
- 2011 Writing of research project proposals, Research Committee of AUTH, Thessaloniki, Greece
- 2011 Structures Design based on Eurocodes, EKDD, Thessaloniki, Greece
- 2010 Energy building design, Greek Technical Chamber/Department of Central Macedonia, Thessaloniki, Greece
- 2010 Institutional Framework, Licensing and Applications renewable energy, National Center for Public Administration and Local Government, Thessaloniki, Greece
- 2010 Energy - Building - New Data, Profilgroup & Econ, Thessaloniki, Greece
- 2010 Management by objectives and measure performance, National Center for Public Administration and Local Government, Thessaloniki, Greece
- 2009 Seismically strengthened: Valuation bearing capacity, redesign and aid, National Center for Public Administration and Local Government, Thessaloniki, Greece
- 2009 Coding Public Works legislation. Standards - Standards - Regulations, National Center for Public Administration and Local Government, Thessaloniki, Greece

- 2008 Adolescence: Problems - Considerations - Guidelines - Prospects, Lord Byron – Social Greek Cultural Society, Thessaloniki, Greece
- 2007 Delinquency and School, AUTH, Thessaloniki, Greece
- 2007 Culture and Education, University of Macedonia, Thessaloniki, Greece
- 2005 The school in the Knowledge Society, University of Macedonia, Thessaloniki, Greece
- 2003 Seminar for Young Engineers of the State, ΕΜΔΥΔΑΣ/ΚΜ, Thessaloniki, Greece
- 2000 Internal Inspectors of Quality Systems of ISO 9002, EU CAT SA, Thessaloniki, Greece
- 1998 Professional Training Program, LabVIEW/Basic Course, National Instruments, Thessaloniki, Greece
- 1997 Professional Training Seminar, Calculation of Foundations and Supportings using the Eurocode 7, Greek Technical Chamber/Department of Central Macedonia, Thessaloniki, Greece

• **RESEARCH PROGRAMS**

- 2004-2005 **G.S.R.T.**  
Foundation of Technical Works on Seismically Problematic Soils under Strong Seismic Motion, AUTH
- 2004 **European Union**  
Program of Seismic Rehabilitation of Maramara (Turkey), AUTH
- 2004 **Republic of Cyprus, Ministry of Agriculture & Natural Sources, Geological Survey Department**  
Microzonation study of Pafos urban region, AUTH
- 2001-2002 **European Union**  
CORSEIS: An integrated study of seismic hazard assessment in the area Aegion of Corinth gulf, Greece, AUTH
- 1999-2000 **Republic of Cyprus, Ministry of Agriculture & Natural Sources, Geological Survey Department**  
Microzonation study of Lemesos urban region, AUTH
- 1999-2000 **I.T.Σ.A.K.**  
Soil Dynamic Characteristics Investigation of Construction Geomaterials & Foundation Soil of “Papadia” Embakment, AUTH
- 1999 **BOUYGUES T.P.**  
Soil dynamic tests & geophysical surveys for the design of Metro infrastructure, AUTH
- 1997-1998 **Municipality of Kozani**  
Microzonation study of Kozani, AUTH
- 1996-1998 **European Union**  
EUROSEISMOD Volvi-Thessaloniki: Development and experimental validation of advanced modelling techniques in engineering seismology, earthquake engineering, AUTH
- 1995-1998 **Prefecture of Volos**  
Microzonation study of Volos town, AUTH
- 1997 **Republic of Cyprus, Ministry of Agriculture & Natural Sources, Geological Survey Department**  
Special laboratory dynamic tests on soil specimens from the city of Larnaka, AUTH
- 1997 **Municipality of Rhodes**  
Fastening problems at the foundation of the fortification of the medieval town of Rhodes, AUTH
- 1996 **Greek Public Power Corporation (A.E.H.)**  
Performance of laboratory tests for the geotechnical study of Dramas mine, AUTH

• **LABORATORY EXPERIENCE**

- 1996-2014 Research projects at AUTH
- 1996-2005 Experimental research studies at AUTH
- 1999-2006 Soil mechanics and soil dynamic testing (ISO 9001:2000 Laboratory of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki.)
- 2000-2001 International Program of Interlaborate experiments (TC3 ISSMGE). Results published by Yamashita et al. (2001).

• **TEACHING EXPERIENCE**

- 2011-today Soil Mechanics Laboratory Department of Civil Engineering, University of Thessaly.
- 2014- today Soil Mechanics II and Special Topics of Geotechnical Engineering Department of Civil Engineering, University of Thessaly.
- 2013 Co-teaching: Experimental Methods and Metrology post graduate course, Department of Civil Engineering, University of Thessaly.
- 2011-2012 Support teaching: (a) Soil Mechanics & (b) Experimental Methods of Soil Mechanics Department of Civil Engineering, Aristotle University of Thessaloniki
- 2007-2010 Geoenviromental Engineering Department of Civil Engineering, University of Thessaly.
- 2008-2009 Special Topics of Soils Mechanics Department of Civil Engineering, University of Thessaly.
- 2005-2007 Soil Mechanics Laboratory Department of Civil Engineering, University of Thessaly
- 2004-2006 Soil Mechanics Department of Civil Engineering, Technological Educational Institute of Central Macedonia
- 2004-2007 Geotechnical Engineering Applications using PC Department of Technical Infrastructures, Alexander Technological Educational Institute
- 2004-2006 Support supervision at four diploma dissertations at Department of Civil Engineering, Aristotle University of Thessaloniki
- 2000-2004 Support teaching: Technical Seismology and Soil Dynamics Post Graduate Program, Department of Civil Engineering, Aristotle University of Thessaloniki
- 1996-1998 Support teaching: Soil Mechanics, Department of Civil Engineering, Aristotle University of Thessaloniki
- 1999 Research program: Upgrade of civil engineer studies using modern methods and tools of education

• **PUBLICATIONS**

1 UNIVERSITY PUBLICATIONS - THESIS

- 1.1 *Dissertation:* «Theoretical simulation of seismic reflection method for the determination of buried irregularities in plane stratigraphy», Department of Civil Engineering, Aristotle University of Thessaloniki, 1996 (in greek)
- 1.2 *PhD thesis:* «The study of dynamic soil properties in the resonant column apparatus», Department of Civil Engineering, Aristotle University of Thessaloniki, 2003 (in greek)

2 PAPERS IN SCIENTIFIC JOURNALS

- 2.1 Pitolakis, K., Makropoulos, K., Bernard, P., Lemeille, F., Lyon-Caen, H., Berge-Thierry C., Tika, Th., Manakou, M., Diagourtas, D., Raptakis, D., **Kallioglou, P.**, Makra, K., Pitolakis, D. and Bonilla F., The Corinth Gulf Soft Soil Array (CORSSA) to study site effects, *C.R. Geoscience*, 336, 2004.

- 2.2 **Kallioglou, P.**, Tika, Th. and Pitilakis, K., Shear modulus and damping ratio of cohesive soils, *Journal of Earthquake Engineering*, Vol. 12, No. 6, pp. 879-913, 2008 & Erratum, *Journal of Earthquake Engineering*, Vol. 12, No. 8, pp. 1344-1366, 2008
- 2.3 **Kallioglou, P.**, Tika, Th., G. Koninis, St. Papadopoulos and Pitilakis, K., Shear modulus and damping ratio of organic soils, *Geotechnical and Geological Engineering*, Vol. 27, No. 2, pp. 217-235, 2009
- 2.4 Tika, Th., **Kallioglou, P.**, G. Koninis, P. Michaelidis, M. Efthimiou and Pitilakis, K., Dynamic properties of cemented soils from Cyprus, *Bulletin of Engineering Geology and the Environment*, Vol. 69, No. 2, pp. 295-307, 2010
- 2.5 Papadopoulou, A., **Kallioglou, P.**, Papadopoulos, S., Tika, Th. & Batum E., Liquefaction Resistance of Silty Sands and Dynamic Properties of Cohesive Soils from Düzce, Turkey, *Journal of Earthquake Engineering*, Vol. 14, pp. 351-362, 2010

### 3 PAPERS IN SCIENTIFIC JOURNALS

- 3.1 **Kallioglou, P.**, Tika, Th. and Pitilakis, K., Dynamic characteristics of natural cohesive soils, *Proc. of the 2<sup>nd</sup> International Conference on Earthquake Geotechnical Engineering*, 21-25 June 1999, Lisbon, Portugal.
- 3.2 Tika, Th., **Kallioglou, P.** and Pitilakis, K., Laboratory measurements of dynamic properties of natural soils, *Proc. of the 2<sup>nd</sup> International Symposium on Prefailure Deformation Characteristics of Geomaterials*, 27-29 September 1999, Turin, Italy.
- 3.3 Koninis, G., Tika, Th. **Kallioglou, P.** and Sarigiannis, D., The effect of structure of natural clayey soils on their compressibility, *Proceedings of the Fourth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 30 May – 1 June 2001, Athens, Greece. (in greek)
- 3.4 **Kallioglou, P.**, Tika, Th. and Pitilakis, K., Dynamic Properties of Organic Soils, *Proceedings of the Fourth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 30 May – 1 June 2001, Athens, Greece. (in greek)
- 3.5 Tika, Th., **Kallioglou, P.**, Sturaitis, E., Raptakis, D. and Pitilakis, K., Deformation characteristics of natural clays from the city of Thessaloniki. *Proc. of the XV International Conference on Soil Mechanics and Geotechnical Engineering*, September 2001, Istanbul, Turkey.
- 3.6 **Kallioglou, P.**, Dynamic properties of natural clayey soils from Hellenic region, *Proc. of the XIV European Young Geotechnical Engineer's Conference*, 15-19 September 2001, Bulgaria.
- 3.7 **Kallioglou, P.**, Tika, Th. and Koninis, G., Dynamic behaviour of compacted clayey soils, *Proc. of the 12<sup>th</sup> European Conference on Earthquake Engineering*, September 2002, London, UK.
- 3.8 Tika, Th., **Kallioglou, P.**, Papadopoulou, A. and Pitilakis, K., Shear modulus and damping of natural sands, *Proc. of the 3<sup>rd</sup> International Symposium on Deformation Characteristics of Geomaterials*, 22-24 September 2003, Lyon, France.
- 3.9 **Kallioglou, P.**, Tika, Th., Koninis, G. and Pitilakis, K., Dynamic properties of natural cohesive soils from Greece and Cyprus, *Proc. of the 11<sup>th</sup> International Conference on Soil Dynamics and Earthquake Engineering & 3<sup>rd</sup> International Conference on Earthquake Geotechnical Engineering*, January 2004, Philadelphia, Berkeley, USA.
- 3.10 Tika, Th., **Kallioglou, P.**, Papadopoulou, A. and Pitilakis, K., The influence of fines on the dynamic properties of sands, *Proc. of the A.W. Skempton Memorial Conference*, 29-31 March 2004, London, UK.
- 3.11 Tika, Th., **Kallioglou, P.**, Koninis, G. and Pitilakis, K., Dynamic stiffness and damping ratio of compacted soils, *Proc. of the International Seminar on Geotechnics in Pavement and Railway Design and Construction*, December 2004, Athens, Greece
- 3.12 **Kallioglou, P.**, Tika, Th. and Koninis, G., Dynamic Properties of Model Organic Soils, *Proceedings of the Fifth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 31 May – 2 June 2006, Xanthi, Greece. (in greek)
- 3.13 Papadopoulos, S., **Kallioglou, P.**, and Tika, Th., Compressibility of Model Organic Soils, *Proceedings of the Fifth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 31 May – 2 June 2006, Xanthi, Greece. (in greek)
- 3.14 Koninis, G., Tika, Th. and **Kallioglou, P.** Correlation of undrained shear strength and preconsolidation pressure of marly soils, *Proceedings of the Fifth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 31 May – 2 June 2006, Xanthi, Greece. (in greek)

- 3.15 Veldemiri, F., Anastasiadis, A., Apostolidis, P., Pitilakis, K., Michaelidis, P., Efthimiou, M. and **Kallioglou P.**, Seismic response of soils in Pafos (Cyprus), *Proceedings of the Fifth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 31 May – 2 June 2006, Xanthi, Greece. (in greek)
- 3.16 Anastasiadis, A., Pitilakis, K., Apessou, M., Apostolidis, P., **Kallioglou, P.**, Tika, Th., Michailidis, P. and Efthimiou, M. Seismic response of soils from Lemessos, *Proceedings of the Fifth Greek Conference on Geotechnical and Geoenvironmental Engineering*, 31 May – 2 June 2006, Xanthi, Greece. (in greek)
- 3.17 **Kallioglou, P.** & Tika, Th., The effect of non linearity of shear modulus and damping ratio on seismic response of soils, *Proceedings of the Third Greek Conference on Earthquake Engineering and Technical Seismology*, 5-7 November 2008, Athens, Greece. (in greek)
- 3.18 Tika, Th., Papadopoulou, A. Laopoulos, Th., Theopoulos, A. and **Kallioglou P.**, The measurement of shear wave velocity with bender element method, *Proceedings of the Third Greek Conference on Earthquake Engineering and Technical Seismology*, 5-7 November 2008, Athens, Greece. (in greek)
- 3.19 Tika, Th., **Kallioglou, P.** and Elpekos, St., Engineering properties of marls from small to large strains, *Proc. of the XV European Conference on Soil Mechanics and Geotechnical Engineering (ECSMGE 2011)*, 12-15 September 2011, Athens, Greece
- 3.20 **Kallioglou, P.** and Vairamidou S., Modern educational approaches for the development of social skills – The example of application on Geotechnical Engineering, *Proceedings of the Sixth Greek Conference of ΕΛΛ.Ι.Ε.Π.ΕΚ.*, 5-7 October 2012, Athens, Greece. (in greek)
- 3.21 **Kallioglou, P.** & Tika, Th., The influence of fines on the deformation properties of sands imposed to dynamic loading, *Proc. of the International Symposium of Geomechanics from Micro to Macro*, September 2014, Cambridge, UK
- 3.21 **Kallioglou, P.**, Tika, Th. and Koninis, G., Experimental Study on the effect of natural characteristics of sandy soils on their linear elastic behaviour, *Proceedings of the Seventh Greek Conference on Geomechanics*, 5 – 7 November 2014, Athens, Greece. (in greek)

- **CITATIONS**

59 citations were found