

LABORATORY OF TRANSPORTATION ENVIRONMENTAL ACOUSTICS - L.T.E.A. English Summary

The “LABORATORY OF TRANSPORTATION ENVIRONMENTAL ACOUSTICS - L.T.E.A.” aims to support the educational and research activities of students and researchers at the Civil Engineering Department of the University of Thessaly.

The Laboratory assists the creation of new inquiring directions, as well as for the aid of collaboration between all Laboratories of the Department of Civil Engineers and all other laboratories in the University. The head of LTEA is Professor Dr. **Konstantinos VOGIATZIS**.

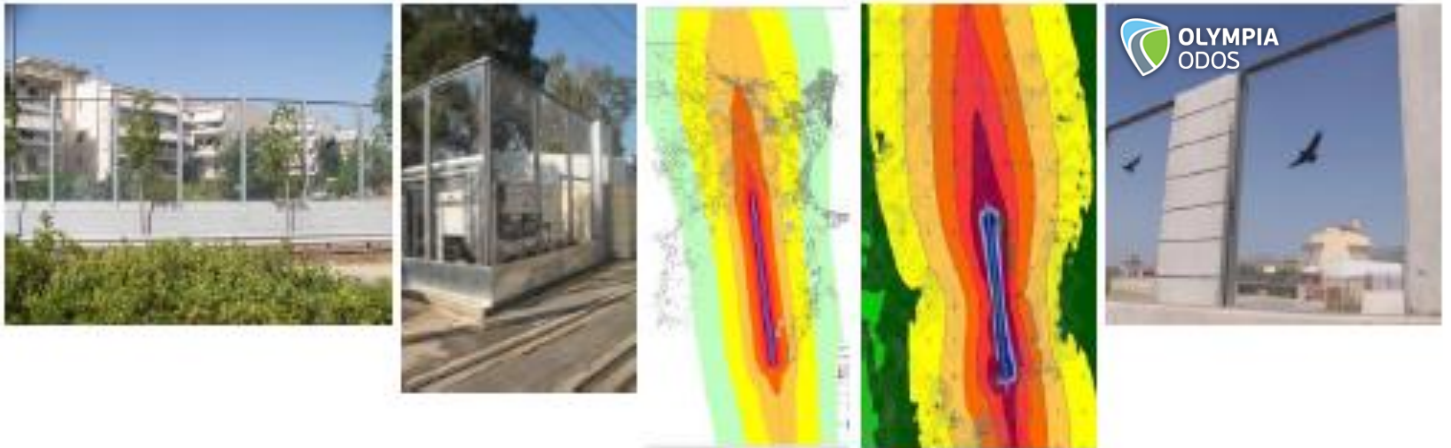
The main objectives are:

1. The development and support of postgraduate and graduate educational and research programs.
2. The guidance and monitoring of postgraduate & Ph.D. research, in the frameworks of transportation design, including methodological, theoretical, scientific, and technical aspects.
3. The collaboration with relevant Research Centers, Academic Institutes, Institutions and Technological Organisms in Greece as well as in the EU & overseas.
4. The development of researching and technological infrastructure so that postgraduate students are attracted to researching activities.
5. The organization of seminars and congresses regarding the continuous information and education of all personnel and students.
6. The publication of Scientific Articles and Books.
7. The collaboration with Local Authorities, Municipalities and Research Institutes.
8. The continuous updating of Environmental Transportation Analysis Techniques.

The individual scientific sectors of the research and educational activities of the L.T.E.A., are:

- Environmental Acoustics Research and sustainable operation management for Transportation Transit Systems in the frameworks of University’s Educational planning.
- Monitoring and Research of Changes and Developments in the National and International Policy for the protection from adverse impacts in the urban and suburban acoustic environment.
- Applications of Advanced Technology Monitoring Systems for airborne and ground-borne noise and vibration from the construction and operation of Transportation Projects - Acoustic measurements of airborne and ground-borne noise and vibration - Technical Specifications for advanced monitoring systems for the urban acoustic environment.
- Environmental Impacts Research regarding Noise and Vibration from the operation of ground (road systems and LRT systems), air and marine transportation projects.
- Anti noise and anti-vibration protection measures application & evaluation research, concerning the operation of Transportation Systems.
- Metrology of Ground Borne Noise & Vibration, Anti-vibration mitigation measures for Light Rail Transit Systems (LRT) design & effectiveness evaluation (floating slab, anti-vibration elastomers, elastic encapsulation of rails, squealing noise abatement systems, environmental noise absorption, etc).
- Urban Acoustic Landscape protection & Land use environmental planning.
- Noise protection of dwellings and other acoustically sensitive receptors from environmental transportation noise.
- Application of European Standards and Directives emphasizing on Environmental Noise and Vibration.
- Technical and Environmental Law with emphasis on the protection of the acoustic urban environment.
- Road traffic noise absorption of various road surfaces.
- Dynamic Prediction Modelling for airborne and ground borne noise from transportation projects - Strategic Noise Mapping & Noise Action Plans according to 2002/49/EC
- Noise Barrier Design & Acoustic calculation - Aesthetic design & evaluation of noise barrier types & various construction materials & shapes, in the context of upgrading the urban environment quality both acoustically and aesthetically

The “LABORATORY OF TRANSPORTATION ENVIRONMENTAL ACOUSTICS - L.T.E.A”, creates a supportive research environment guiding the student and the researcher to develop new ideas and to contribute in the continuous updated high level education increasing the competitiveness and consequently the effectiveness of the work of the Department of Civil Engineering.



L.T.E.A uses the existing infrastructure of the Department, as well as recent high effective metrology equipment, assisting the research and educational work development. In the Laboratory’s installations, both students and research fellows can have access to various advanced acoustic & transportation equipment as well as very sophisticated software, ensuring the success in the completion of their research work.



SELECTED RESEARCH PROGRAMS

1. Research Program: "Acoustic Investigation of the Effects of Noise from the operation of Wind Farms in the area of Kafirea, Prefecture of Evia", EU 6707, University of Thessaly - Department of Civil Engineering, TERNA ENERGEIAKI SA, 02/2021.
2. Research Program: "Quality control of the findings from the analysis of environmental aircraft noise from the AIA's permanent noise monitoring stations for the total period of the project "Special Study of the Aircraft Noise Monitoring Program (2019-2023) for the Athens International Airport (AIA)", EE 6664, University of Thessaly - Department of Civil Engineering, TTE SA, 12/2020.
3. Research Program: "Measurement of Airborne Noise from the operation of Wind Farms at Agriachladia in Evia", EE 6660, University of Thessaly - Department of Civil Engineering, TERNA ENERGEIAKI SA, 12/2020.
4. Research Program: "Road Traffic Noise Monitoring Program and proposal of necessary actions in case of demand for anti-noise measures in the Small Perimeter of Patras (ΜΠΠ)", EE 6641, University of Thessaly - Department of Civil Engineering, Perifereia Dytikis Ellados, 12/2020.
5. Research Program: "Evaluation of Noise Measurements and Atmospheric Pollution Measurement in 2 toll stations of Attiki Odos Highway", E.E. 6417, University of Thessaly - Department of Civil Engineering, TT&E Consultants SA, 03/2020.
6. Research Program: "Metrological data compatibility evaluation with theoretical results of acoustic model in Urban Agglomeration of Pafos and Pafos Airport E.E. 6131, University of Thessaly - Department of Civil Engineering, AIA SA, 7/2019.
7. Research Program: "Update of SNM AC_FP database according to Cnossos Methodology" & "Variation order for Aircraft Noise Monitoring Program for Athens International Airport, 2012-2018", E.E. 6112, University of Thessaly - Department of Civil Engineering, AIA SA, 5/2019.
8. Research Program: "Evaluation of Noise Measurements and Atmospheric Pollution Measurement in 2 toll stations of Attiki Odos Highway", E.E. 5942, University of Thessaly - Department of Civil Engineering, TT&E Consultants SA, 03/2019.
9. Research Program: "Climate Change Adaptation Study for Athens International Airport "El. Venizelos"", E.E. 5872, University of Thessaly - Department of Civil Engineering, AIA SA, 10/2018.
10. Research Program: "Laboratory of Transportation Environmental Acoustics (L.T.E.A)", E.E. 5641, University of Thessaly - Department of Civil Engineering, 03/2018.
11. Research Program: "Evaluation of Noise Measurements and Atmospheric Pollution Measurement in 2 toll stations of Attiki Odos Highway", E.E. 5618, University of Thessaly - Department of Civil Engineering, TT&E Consultants SA, 01/2018.
12. Research Program: "Metrological data compatibility evaluation with theoretical results of acoustic model in Urban Agglomeration of Nicosia & Limasol", E.E. 5616, University of Thessaly - Department of Civil Engineering, TT&E Consultants SA, 01/2018.
13. Research Program: "Metrological data compatibility evaluation with theoretical results of acoustic model in Urban Agglomeration of Larnaca & Larnaca Airport", E.E. 5479, University of Thessaly - Department of Civil Engineering, TT&E Consultants SA, 10/2017.
14. Research Program: "Strategic Noise Mapping 2017 Athens International Airport Eleftherios Venizelos, Traffic Data 2016", E.E. 5406, University of Thessaly - Department of Civil Engineering, AIA SA, 06/2017.
15. Research Program: "Evaluation of Noise Measurements and Atmospheric Pollution Measurement in 2 toll stations of Attiki Odos Highway", E.E. 5365, University of Thessaly - Department of Civil Engineering, TT&E Consultants SA, 03/2017.
16. Research Program: "Detection of Harmful Chemical Factors and Noise from the Attica Road Toll Station by the Transmission of Passive Vehicles for the Year 2016", E.E. 5259, University of Thessaly - Department of Civil Engineering, ATTIKES DIADROMES SA, 6/2016.
17. Research Program: "Recording of noise emissions of the project's installations: Megalopolis II B - Unit 5", E.E. 5258, University of Thessaly - Department of Civil Engineering, TERNA SA, 7/2016.
18. Research Program: "Organization of the 23rd International Congress on Sound & Vibration - From Ancient to Modern Acoustics (10-14/7/2016)", E.E. 5130, University of Thessaly - Department of Civil Engineering, TRIAENA SA.
19. Research Project: «Annual Monitoring of Road Traffic Noise from the operation of PATHE Motorway - E65, Skarfia - Raches Section» E.E. 5090, University of Thessaly - Dept of Civil Engineering, Kentriki Odos, 07/2015.

20. Research Project: **“Specification Check of Air Pollution Stations”** for the project of Aegean Motorway SA according to the relevant specifications for **“Supply of permanent systems (stations) of Air Pollution & Meteorological parameters monitoring”** E.E. 5026, University of Thessaly - Dept of Civil Engineering, AKTOR SA, 03/2015.
21. Research Project: **«Strategic Noise Map 2011 (update of population data - Census 2011) & Strategic Noise Map (population data of census 2011)»** E.E. 5000, University of Thessaly - Dept of Civil Engineering, AIA S.A. 2015.
22. Research Project: **«Comparative evaluation of results of noise standards of INM & CadnaA (based on AzB 99) in Corfu Airport»** E.E. 4945, University of Thessaly - Dept of Civil Engineering, DYNACOUSTICS SA 2014.
23. Research Project: **Investigation of parameters of combined environmental noise monitoring from mining and metallurgical facilities»** E.E. 4881, University of Thessaly - Dept of Civil Engineering, ENVECO SA 2014.
24. Research Project: **«Impact investigation in the acoustic environment of 2 sub-areas in the framework of the project «Assessment on Environmental Noise in the framework application of the European Community Directive 2002/49/EC for the Greater Urban Areas of Thessaloniki - Serres : Study M1 (Center of Athens)»,** E.E. 4858, University of Thessaly - Dept of Civil Engineering, TT&E Consultants SA 2014.
25. Research Project: **«European Project Quiet Track for Sustainable Railway Infrastructures (Quiet Track) of the Seventh Framework Programme»** E.E. 4814, University of Thessaly - Dept of Civil Engineering, TT&E Consultants SA 2014.
26. Research Project: **«Investigating Impact acoustic environment of the project "Reconstruction of downtown Athens center on Panepistimiou Street" Groundborne Noise & Vibration from the operation of the Athens Tram, E.E. 4685»,** University of Thessaly - Dept of Civil Engineering, ENVECO SA 2013
27. Research Project: **“Organization of a Workshop on the Environmental Noise Assessment Program in the framework of the implementation of Directive 2002/49 / Larissa & Volos (26/06/2013)”**, E.E. 4504, University of Thessaly - Dept of Civil Engineering, TT&E Consultants SA 2013.
28. Research Project: **«Aircraft Noise Strategic Noise Map 2011, Athens International Airport»,** E.E. 4471, University of Thessaly - Dept of Civil Engineering, AIA SA 2012, Scientific Director K. Vogiatzis
29. Research Project: **«Detection of harmful chemical agents and noise from road traffic in toll stations in R/S Spathovouni»** E.E. 4345, University of Thessaly - Dept of Civil Engineering, MOREAS SA 2011, Scientific Director K. Vogiatzis
30. Research Project: **«Detection of harmful chemical agents and noise at the stations of Attiki Odos tolls from emissions from passing vehicles for years 2012-2013-2014»** E.E. 4287, University of Thessaly - Dept of Civil Engineering, ATTIKES DIADROMES SA 2012-2014, Scientific Director K. Vogiatzis
31. Research Project: **“Monitoring Program in Noise & Vibration Permanent Stations & Training of TRAM’s staff »** E.E 4271 University of Thessaly - Dept of Civil Engineering, TRAM SA 2011-2012 Scientific Director K. Vogiatzis
32. Research Project: **«Annual Monitoring of Road Traffic Noise and air pollution from the operation of PATHE Motorway: Section Metamorphosi - Skarfia»** E.E 4197 University of Thessaly - Dept of Civil Engineering, NEA ODOS SA 2010-2015, Scientific Director K. Vogiatzis
33. Research Project: **“Noise monitoring program from the operation of PATHE Motorway, Section Maliakos - Klidi” (b) “Evaluation of operation and support for the receipt of four (4) pollutant monitoring stations”; and (c) “Air Pollutant Monitoring Program with two six-yearly annual pollutant monitoring program reports”,** E.E 4171, University of Thessaly - Dept of Civil Engineering, AEGEAN Motorway SA. 2010-2019.
34. Research Project: **«Configuration of specifications for acoustic measurements of environmental noise from the operation of the facilities of «HERON II VOIOTIA SA POWER GENERATION” & Support of scientific supervision and evaluation of noise emissions "Near Field" from GE»,** E.E 4150 University of Thessaly - Dept of Civil Engineering, TERNA SA, 2010, Scientific Director K. Vogiatzis
35. Research Project: **«Recording of the Environmental Noise Level from the operation of the Attiko Metro SA trains in Chologos shaft - Investigation of possible exceedance according to the environmental terms of the JMD for the Approval of Noise Terms»,** E.E. 4128, University of Thessaly - Dept of Civil Engineering, ATTIKO METRO, 2010, Scientific Director K. Vogiatzis
36. Research Project: **«Noise Monitoring Program from the operation of the Regional Road of**

- Volos & Preliminary consideration of future noise charges and urban areas in need of noise protection»** E.E 4119 University of Thessaly - Dept of Civil Engineering, 2010, Prefectural Authority of Magnesia, 2010, Scientific Director K. Vogiatzis
37. Research Project: «**Complete configuration of the necessary technical specifications of the Programme Road Traffic Noise & Air Pollution Monitoring for the section of PATHE Motorway “Maliakos - Kleidi”**» E.E 3873 University of Thessaly - Dept of Civil Engineering, AEGEAN MOTORWAY SA 2009, Scientific Director K. Vogiatzis
 38. Research Project: «**Detection of harmful chemical agents and noise at the stations of Attiki Odos tolls from emissions from passing vehicles for years 2009-2010-2011»** E.E. 3854, University of Thessaly - Dept of Civil Engineering, ATTIKES DIADROMES S.A. 2009-2011, Scientific Director K. Vogiatzis
 39. Research Project: «**Extension of Mobile stations Monitoring Program (MS) of noise and vibrations for the year 2007 and mobile (MS) and permanent (PS) of noise and vibrations for years 2008, 2009 & 2010 Maintenance & Calibration of equipment for the year 2008 Maintenance of equipment for the year 2009, maintenance & calibration of equipment for the year 2010»** E.E. 3223 University of Thessaly - Dept of Civil Engineering, TRAM SA 2008- 10,
 40. Research Project: “**Extension of Mobile stations Monitoring Program (MS) of noise and vibrations for the year 2007 and mobile (MS) and permanent (PS) of noise and vibrations for years 2008, 2009 & 2010, Maintenance & Calibration of equipment for the year 2008 Maintenance of equipment for the year 2009, maintenance & calibration of equipment for the year 2010”**”, E.E. 3223, University of Thessaly - Dept of Civil Engineering, TRAM SA 2008-10.
 41. Research Program: “**Monitoring of Atmospheric Pollution and the Level of Noise in Segments of Egnatia Odos Motorway, in operation**”, E.E. 3496 University of Thessaly - Department of Civil Engineering, Egnatia Odos AE 2007.
 42. Research Program: “**Detection of Harmful Chemical Factors and Noise at the Acheloos Tunnel Construction Site**”, E.E. 3457, University of Thessaly - Department of Civil Engineering, KK Impregilo SpA 2006.
 43. Research Program: “**Monitoring of mobile stations (noise and vibrations) for the year 2007 and mobile and permanent noise and vibrations stations for the years 2008, 2009 & 2010 and submission of corresponding annual reports**”, E.E. 3223 University of Thessaly - Department of Civil Engineering, TRAM SA 2007-2010.
 44. Research Program: “**Detection of harmful chemical agents and noise at the toll stations of the Attiki Odos by the emissions of pollutants from passing vehicles. 2006-2008”**”, E.E 3385 University of Thessaly - Department of Civil Engineering, Attikes Diadromes SA 2006-2008.
 45. Research Program: “**Monitoring of Permanent Noise and Vibration Stations and Other Acoustic Investigations by the Tram of Athens**”, E.E 3223 University of Thessaly - Department of Civil Engineering, TPAM SA, 06/2005.
 46. Research Program: “**Determination of noise emissions from the full operation of the TRAM depot in Elliniko and investigation of compliance with the limits of PD. 1180/81 and EPO Decision**”, E.E 3097 University of Thessaly - Department of Civil Engineering, TRAM SA, 12/2004.
 47. Research Program: “**Repetitive Measurements of Acoustic Environmental Assessment in Mr. Petridis’ House in Tsigeli Almiros in Magnisia from the Operation of the Steel Products Industry SOVEL SA**”, University of Thessaly - Department of Civil Engineering, 09/2004.
 48. Research Program: “**Investigation of impacts from the operation of the PATHE road (Athens - Lamia National Road) in the acoustic and atmospheric environment of OT 491 and their Compatibility using a single dwelling**”, E.E. 3063, University of Thessaly - Department of Civil Engineering, PARAVALOS MARINOS GROUP AE, 09/2004.
 49. Research Program: “**Measurements & Determination of noise emissions from the SIRIO / ANSALDOBREDA train type operation - Measurements in Athens**”, E.E. 3007, University of Thessaly - Department of Civil Engineering, TPAM SA, 01/2004.
 50. Research Program: “**Determination of locations for the installation of Permanent Noise Monitoring Stations at seven (7) Airports in the country - Updating and Supplementation of Technical Air Quality Noise Measurement and Measurement System**”, E.E. 2969, University of Thessaly - Department of Civil Engineering, YPA / PROPE, 11/2003.
 51. Research Program: “**Measurement & Assessment of the Acoustic Environment of Mr Petridis’ House in Tsigeli Almiros in Magnisia from the Operation of the Steel Products Industry SOVEL SA**”. E.E. 2884 University of Thessaly - Department of Civil Engineering, Mr. Petrides, 04/2003.

52. Research Program: “Measurements and Determination of SIRIO / ANSALDOBREDA Train Trends in Operation”, E.E 2853, University of Thessaly - Department of Civil Engineering JV TERNA - IMBREGILO, 01/2003.
53. Research Program: “Detection of harmful chemical agents from road traffic in Attiki Odos toll booths & Occupational noise counting - Assessment of the noise level at which workers are exposed at the workplace”, E.E. 2810, University of Thessaly - Department of Civil Engineering, JV ATTIKI ODOS, 09/2003.
54. Research Program: “Integrated evaluation of studies and measures for the protection of the Adrianos gate from the construction and operation of the Athens Tramway”, E.E. 2784 University of Thessaly - Department of Civil Engineering, TRAM SA, 06/2002.
55. Research Program: “Investigation of impacts on the acoustic environment of the Volos Urban Agglomeration from the implementation of the European Car Free Day on 22/9/2000”, University of Thessaly - Department of Civil Engineering, Volos, Greece, 09/2000.



SELECTED PUBLICATIONS

Books / Chapters / Committee reports:

1. K. Vogiatzis and G. Kouroussis, Airborne and groundborne noise and vibrations from urban rail transit systems, INTECH, "Urban Transport Systems", 25 pages, ISBN 978-953-51-4939-2 book edited by Hamid Yaghoubi, ISBN 978-953-51-2874-8, Print ISBN 978-953-51-2873-1, Published: January 18, 2017 under CC BY 3.0 license, <https://doi.org/10.5772/66571>.
2. K. Vogiatzis, "Environmental Engineering & Institutional Framework for Implementation", 3rd Edition, Symmetria, Publications, 2015, 584 σελ. / "Environmental Engineering & Institutional Framework for Implementation", 2nd Edition, Symmetria, Publications, 2012, 530 σελ. / "Environmental Engineering & Institutional Framework for Implementation", 3rd Edition, Symmetria, Publications June 2010, (ISBN 978-960-266-390-5).
3. K. Vogiatzis, S. Chaikali, A. Chatzopoulou "Protection of the Greek Noise Landscape - Institutional Framework of the Environmental Noise" Papisotiriou Publications, 2009 (ISBN 960-718-256-1).
4. COST Action TU0901: Integrating and Harmonizing Sound Insulation Aspects in Sustainable Urban Housing Constructions - Building acoustics throughout Europe - Building acoustics throughout Europe Volume 1: Towards a common framework in building acoustics throughout Europe & Volume 2: Housing and construction types country by country Chapter 10. Greece Konstantinos Vogiatzis, 2014, (e-ISBN: 978-84-697-0159-1).
5. K. Vogiatzis, Common Noise Assessment Methods in Europe, (Cnossos - EU), To be used by the EU Member States for strategic noise mapping following adoption as specified in the Environmental Noise Directive 2002/49/EC, JRC (Joint Research Centre) Reference Reports, 2012, ISBN 978-92-79-25281-5 (pdf)).
Cnossos - EU Technical Committee WG/DT1-Quality framework.
Cnossos - EU Technical Committee WG/DT2-Road traffic noise source emission.
Cnossos - EU Technical Committee WG/DT10-Assigning noise levels and population to building.
6. K. Vogiatzis, Inventaire des cartes de Bruit Européennes et application d' une méthodologie basée sur l' écoute réactivée, Rapport Final, Etude réalisée dans le cadre de l' appel d' offres du Ministère de l' Environnement de France sur la Gestion de l' Environnement Urbain Sonore (GEUS II) Subvention de Recherche no 93311, 1998, ET&T Consulting Engineers Ltd, Directeur du project Dr. Ing. K. Vogiatzis (110 pages).
7. C. Vogiatzis, S. Rueda Y Palenzuela, A. Franchini, J. Celma-Celma, Etude comparative pour l'introduction du bruit comme paramètre de qualité de vie et de planification des centres urbains des villes sud-Européennes. le cas de: Barcelone (E), Modene (I), Saragosse (E), Rhodes (GR). Research Programme GEUS Ministry of Environment, France (SRETIE) 1992, Coordinateur du projet Dr. Ing. C. Vogiatzis (235 pages).
8. K. Vogiatzis, Air pollution from traffic - The case of Ioanni Drossopoulou str., Research programme funded by Research Committee of NTUA, Athens, Sept. 1981 (190 pages).
9. K. Vogiatzis, Mopeds in the Urban Environment, Research programme funded by Research Committee of NTUA, Athens, Sept. 1981 (97 pages).

Papers in International and Greek Journals:

1. K. Vogiatzis, P. Kassomenos, G. Gerolymatou, P. Valamvanos E. Anamaterou, "Climate Change Adaptation Studies as a tool to ensure airport's sustainability: The case of Athens International Airport (A.I.A.)", Science of The Total Environment, Volume 754 (2021), 142153 <https://doi.org/10.1016/j.scitotenv.2020.142153>
2. K. Vogiatzis, V. Zafiropoulou, G. Gerolymatou, D. Dimitriou, B. Halkias, A. Papadimitriou, A. Konstantinidis, "The noise climate at the time of Sars - CoV-2 VIRUS/COVID-19 disease in Athens - Greece: The case of Athens International Airport and the Athens Ring Road (Attini Odos)", Noise Mapping, 2020; 7:154-170, <http://dx.doi.org/10.1515/noise-2020-0014>
3. P. Kopelias, E. Demiridi, K. Vogiatzis, A. Skabardonis, V. Zafiropoulou, "Connected & autonomous vehicles - Environmental impacts - A review", Science of the Total Environment 712(2020), <https://doi.org/10.1016/j.scitotenv.2019.135237>.
4. G. Gerolymatou, N. Rémy, K. Vogiatzis, V. Zafiropoulou, "Assessing Health Effects and Soundscape Analysis as New Mitigation Actions Concerning the Aircraft Noise Impact in Small- and Middle-Size Urban Areas in Greece", MDPI: Environments 2019, 6, 4, <http://dx.doi.org/10.3390/environments6010004>.

5. K. Vogiatzis, D. Dimitriou, G. Gerolymatou, A. Konstantinidis, "Strategic noise mapping in Athens International Airport: A tool for balance approach & health effects evaluation", Noise Mapp. 2019; 6:87-98, <https://doi.org/10.1515/noise-2020-0008>
6. K. Vogiatzis, N. Rémy, "Changing the Urban Sound Environment in Greece: A Guide Based on Selected Case Studies of Strategic Noise Maps (SNM) and Noise Action Plans (NAP) in Medium and Large Urban Areas", MDPI: Environments 2018, 5(6), 64, <https://doi.org/10.3390/environments5060064>.
7. Ch. Mouzakis, K. Vogiatzis, V. Zafiropoulou, "Assessing subway network ground borne noise and vibration using transfer function from tunnel wall to soil surface measured by muck train operation", Science of the Total Environment 650(2019), 2888-2896, <https://doi.org/10.1016/j.scitotenv.2018.10.039>.
8. K. Vogiatzis, V. Zafiropoulou, H. Mouzakis, "Monitoring and assessing the effects from Metro networks construction on the urban acoustic environment The Athens Metro Line 3 Extension" Science of the Total Environment 639(2018), 1360-1380, <https://doi.org/10.1016/j.scitotenv.2018.05.143>
9. G. Kouroussis, H.P. Mouzakis, K.E. Vogiatzis, "Structural impact response for assessing railway vibration induced on building", Mechanics & Industry, 18, 703 (2017), 11 pages, (SCOPUS) <https://doi.org/10.1051/meca/2017043>
10. G. Kouroussis, K. E. Vogiatzis, D. P. Connolly, "Assessment of railway ground vibration in urban area using in-situ transfer mobilities and simulated vehicle-track interaction", International Journal of Rail Transportation, Taylor & Francis Group, 18 pages, Received 24 Aug 2017, Accepted 27 Oct 2017, Published online: 06 Nov 2017 ISSN: 2324-8378 (Print) 2324-8386(Online), 11/2017, (SCOPUS) <http://dx.doi.org/10.1080/23248378.2017.1399093>
11. K. Vogiatzis, G. Kouroussis, "Environmental Ground-Borne Noise & Vibration from Urban Light Rail Transportation during Construction and Operation", Current Pollution Reports, 12 pages, June 2017, Volume 3, Issue 2, pp 162-173, <https://doi.org/10.1007/s40726-017-0059-3>
12. G. Kouroussis, K.E. Vogiatzis, D.P. Connolly, "A combined numerical / experimental -prediction method for urban railway vibration", Soil Dynamics and Earthquake Engineering Volume 97, June 2017, Pages 377-386, (SCOPUS) <http://dx.doi.org/10.1016/j.soildyn.2017.03.030>
13. K. Vogiatzis, H. Mouzakis, "Groundborne noise and Vibration transmitted from subway networks to multi-storey reinforced concrete buildings, ID STRA-2016-0133", Transport, Taylor & Francis Group, 8 pages, Received 07 Jun 2016, Accepted 04 Jan 2017, Published online: 04 Sep 2017, Vol. No (2017) ISSN: 1648-4142 (Print) 1648-3480 (Online), 09/2017 (SCOPUS), <http://dx.doi.org/10.3846/16484142.2017.1347895>
14. K. Vogiatzis, N. Remy, "Soundscape design guidelines through noise mapping methodologies: An application to medium urban agglomerations", NOISE-D-16-00005, De Gruyter Editions / Noise Mapping Journal: Special issue on Recent Advances on Soundscape Research, 2017;4:1-19 Dec 2016, <https://doi.org/10.1515/noise-2017-0001>
15. K. Vogiatzis, P. Vanhonacker, "Noise reduction in urban LRT networks by combining track based solutions", Science of the Total Environment 568(2016), 1344-1354, 10/2016, ISSN0048-9697, (SCOPUS) <http://dx.doi.org/10.1016/j.scitotenv.2015.05.060>
16. K. Vogiatzis, M. Petz, "Noise score rating models for Q-Zones and embedded parks", De Gruyter Editions / Noise Mapping Journal, 2, 40-56, Special issue on Environmental noise aspects in EU funded projects, 10/2015, <https://doi.org/10.1515/noise-2015-0004>
17. K. Vogiatzis, "Environmental noise and air pollution monitoring in the Athens ring road (Attiki Odos): An important parameter for a sustainable urban development", Int. Journal of Sustainable Development & Planning, Vol. 10, No 4 (2015) WIT PRESS, pages 528-543, (SCOPUS), <https://doi.org/10.2495/SDP-V10-N4-528-543>
18. K. Vogiatzis, G. Kouroussis, "Prediction and efficient control of vibration mitigation using floating slabs: Practical application at Athens metro lines 2 and 3", International Journal of Rail Transportation, 2015, Taylor & Francis Group. Vol. 3, No 4, 215-232, (SCOPUS) <http://dx.doi.org/10.1080/23248378.2015.1076622>
19. G. Kouroussis, D. P. Connolly, G. Alexandrou, & K. Vogiatzis, "Railway ground vibrations induced by wheel and rail singular defects", Vehicle System Dynamics, 2015 Vol. 53, No. 10, 1500-1519, (SCOPUS) <http://dx.doi.org/10.1080/00423114.2015.1062116>
20. G. Kouroussis, D. P. Connolly, K. Vogiatzis, and O. Verlinden, Research Article "Modelling the Environmental Effects of Railway Vibrations from different Types of Rolling Stock: A Numerical Study", Shock and Vibration, Volume 2015, Article ID 142807, 15 pages, Hindawi Publishing Corporation, (SCOPUS) <http://dx.doi.org/10.1155/2015/142807>
21. G. Kourouris, D. P. Connolly, G. Alexandrou, K. Vogiatzis, "The effect of railway local irregularities on ground vibration", Transportation Research - Part D 39 (2015) 17-30: Transport and Environment 00

- (2015) pages 14, (SCOPUS) <http://dx.doi.org/10.1016/j.trd.2015.06.001>
22. K. Vogiatzis, P. Kopelias, "Benefits and Limitations towards a sustainable road environment during the years of economic recession", WIT PRESS, Int. J. Sus. Dev. Plann. Vol. 10, No. 5, 701-712, (2015) (SCOPUS) <https://doi.org/10.2495/SDP-V10-N5-701-712>
 23. K. Vogiatzis, N. Remy, Research Article: "Strategic Noise Mapping of Herakleion: The Aircraft Noise Impact as a factor of the Int. Airport relocation, Noise Mapping, Vol. 1, Issue 1 (Sept 2014), p. 15-31, De Gruyter Open, <https://doi.org/10.2478/noise-2014-0003>
 24. K. E. Vogiatzis, "Assessment of Environmental Noise due to Aircraft Operation at the Athens International Airport according to the 2002/49/EC Directive and the new Greek National Legislation", Applied Acoustics 84 (2014) pages 37-46, (SCOPUS), <https://doi.org/10.1016/j.apacoust.2014.02.019>
 25. P. Kopelias, K. E. Vogiatzis, A. Skabardonis, "The impact of congestion management on air pollution emissions in urban freeways", Int. Journal of Sustainable Development & Planning, Vol. 8, No 3 (2013) WIT PRESS, pages 400-412, (SCOPUS), <https://doi.org/10.2495/SDP-V8-N3-400-412>
 26. K. E. Vogiatzis, N. Remy "From Environmental noise abatement to soundscape creation through strategic noise mapping in medium urban agglomeration in South Europe", Accepted 25 Jul 2013, Science of Total Environment (STOTEN), 482-483 (2014), pp 420-431, (SCOPUS), <http://dx.doi.org/10.1016/j.scitotenv.2013.07.098>
 27. K.E. Vogiatzis, "Environmental Noise and Vibration monitoring and assessment of major road transportation networks: The case of Elefsina (Athens) - Korinthos motorway (2008-2011)", Int. Journal of Sustainable Development & Planning, Vol. 8, No 2 (2013) WIT PRESS, pages 173-185, (SCOPUS), <https://doi.org/10.2495/SDP-V8-N2-173-185>
 28. K. Vogiatzis, "Athens Metro Extension Project to Piraeus Ground Borne Noise and Vibration Assessment and Control", International Journal of Mechanics, Issue 2, Vol. 6, 2012, pages 130-139, published by North Atlantic University Union/WSEAS (SCOPUS), <http://naun.org/main/NAUN//mechanics/16-160.pdf>
 29. K. E. Vogiatzis, "An Assessment of Airport Environmental Noise Action Plans with Some Financial Aspects: The Case of Athens International "Eleftherios Venizelos", International Journal of Acoustics and Vibration (IJAV), Vol. 17, No 4, December 2012, pages 181-190, published by the International Institute of Acoustics and Vibration (IIAV) (SCOPUS), <https://doi.org/10.20855/ijav.2012.17.4309>
 30. K. E. Vogiatzis, "Environmental ground borne noise and vibration protection of sensitive cultural receptors along the Athens Metro Extension to Piraeus", Science of Total Environment (STOTEN), Vol. 439 November 2012, ISSN 0048-9697, pages 230-237, published by ELSEVIER (SCOPUS), <https://doi.org/10.1016/j.scitotenv.2012.08.097>
 31. M. Paviotti, K. E. Vogiatzis, "On the outdoor annoyance from scooter and motorbike noise in the urban environment", Science of Total Environment (STOTEN), Vol. 430, June 2012, ISSN 0048-9697, pages 223-230, published by ELSEVIER (SCOPUS), <https://doi.org/10.1016/j.scitotenv.2012.05.010>
 32. K. E. Vogiatzis, "Protection of the cultural heritage from underground Metro vibration & ground borne noise in Athens centre: The case of Kerameikos Archaeological Museum & Gazi Cultural centre", International Journal of Acoustics and Vibration (IJAV), Vol. 17, No 2, June 2012, pages 59-72, published by the International Institute of Acoustics and Vibration (IIAV) (SCOPUS), <https://doi.org/10.20855/ijav.2012.17.2301>
 33. P. Carels, Dot. Ing. K. Ophalffens & K. Vogiatzis, "Noise and Vibration evaluation of a floating slab in direct fixation turnouts in Haidari & Anthoupoli extensions of Athens metro lines 2 and 3", INGEGNERIA FERROVIARIA, 6/2012, (p. 533-552) - I- "UNA TANTUM" AWARD - 2012 (SCOPUS), <http://www.ingegneriaferroviaria.it/web/en/content/noise-and-vibration-evaluation-floating-slab-direct-fixation-turnouts-%E2%80%99Chaidari-anthoupoli>
 34. K. E. Vogiatzis, "Airport Environmental noise mapping and land use management as an environmental protection action policy tool. The case of the Larnaka International Airport (Cyprus)", Science of Total Environment (STOTEN), Vol. 424 May 2012, ISSN 0048-9697, pages 162-173, published by ELSEVIER (SCOPUS), <https://doi.org/10.1016/j.scitotenv.2012.02.036>
 35. K. E. Vogiatzis, N. Eliou, "Environmental Noise, Hold Body Vibration & Air Pollution Monitoring within Toll Booths of the Athens Ring, Motorway Network: "ATTIKI ODOS", International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 6 November 2011, pages 303-310, (IRECE/Abstracting and Indexing Information: Scopus SJR 2016: 0.537 SNIP 2016: 0.5 CiteScore 2016: 0.65), http://www.praiseworthyprize.com/IRECE-latest/IRECE_vol_2_n_6.html
 36. N. Eliou, K. E. Vogiatzis, F. Kehagia "Tired Driver's Behavior Assessment using Innovative Instrumentation", International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 6 November 2011, pages 311-315, (IRECE/Abstracting and Indexing Information: Scopus SJR 2016: 0.537 SNIP 2016: 0.5 CiteScore 2016: 0.65), http://www.praiseworthyprize.com/IRECE-latest/IRECE_vol_2_n_6.html

37. K. E. Vogiatzis, K. Psychas "Legal aspects on Environmental noise and urban soundscape rehabilitation in Mediterranean countries: the case of Greece", Int. Journal of Sustainable Development & Planning, Vol. 7, No 4 (2012) WIT PRESS, article SDP319, pages 484- 494,(SCOPUS), <https://doi.org/10.2495/SDP-V7-N4-484-494>
38. K. E. Vogiatzis, "On Environmental Ground Borne Noise & Vibration abatement by implementing Floating Slabs at Athens Metro network - Measurements campaign results", WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT, ISSN: 1790-5079, Issue 11, Volume 7, November 2011, pages 359-370, (SCOPUS), <http://www.wseas.us/e-library/transactions/environment/2011/54-637.pdf>
39. K. E. Vogiatzis, "Strategic Environmental Noise Mapping & Action Plans in Athens Ring Road (ATI KI ODOS) - GREECE", WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT, ISSN: 1790-5079, Issue 10, Volume 7, October 2011, pages 315-324, (SCOPUS), <http://www.wseas.us/e-library/transactions/environment/2011/54-290.pdf>
40. K. E. Vogiatzis, "Environmental Vibration Monitoring & Assessment at sensitive receptors during METRO construction in Urban Centre of Thessaloniki, Greece", WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT ISSN: 1790-5079, Issue 9, Volume 7, September 2011. pages 255-264, (SCOPUS) <http://www.wseas.us/e-library/transactions/environment/2011/54-149.pdf>
41. N. Katsianis, N. Eliou, E. Iliadou, K. E. Vogiatzis, "Effect of driver's roadway familiarity on risk perception & driving behavior", International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 2 March 2011, pages 107-112, (IRECE/Abstracting and Indexing Information: Scopus SJR 2016: 0.537 SNIP 2016: 0.5 CiteScore 2016: 0.65) http://www.praiseworthyprize.com/IRECE-latest/IRECE_vol_2_n_2.html
42. K. Vogiatzis, "Noise Action Plans for the acoustic protection of urban areas around the Athens International Airport (A.I.A.) Strategic noise maps 2006 & 2011", Jan. 2010, Feb. 2011, Volume 5, No. 2 (Serial No. 39), pp. 104-111, Journal of Civil Engineering and Architecture, ISSN 1934-7359, USA - Abstracted / Indexed in: Database of EBSCO, Massachusetts, USA Chinese Database of CEPIS, OCLC Cambridge Science Abstracts (CSA) Ulrich's Periodicals Directory Summon, <http://www.davidpublisher.org/Home/Journal/JCEA>
43. K. Vogiatzis, "Squealing Noise in Sharp Curves in Athens Tram Network A Synthesis of Mitigation Measures & their effectiveness" International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 1 January 2011, pages 60-65, (IRECE/Abstracting and Indexing Information: Scopus SJR 2016: 0.537 SNIP 2016: 0.5 CiteScore 2016: 0.65) http://www.praiseworthyprize.com/IRECE-latest/IRECE_vol_2_n_1.html
44. E. Iliadou, N. Eliou, N. Katsianis, K. Vogiatzis, Investigation of vehicle drivers risk perception on the approach of level suburban nodes, Technika Chronika, Scientific Publications of TEE.
45. K. Vogiatzis. Th. Valkouma, Road Transportation Noise: A basic Parameter of Environmental Planning in the countries of E.U. The European Directive 2002/49/EU the case of Egnatia Odos Motorway, Scientific Journal ECON 3, Jan - Feb. 2011, pages. 86-91, March - Apr 2011, pages 92-95.
46. K. Vogiatzis, "Noise & Vibration theoretical evaluation & monitoring program for the protection of the ancient "Kapnikarea Church" from Athens Metro Operation", International Review of Civil Engineering (I.RE.C.E.), Vol. 1, n. 5 November 2010, pages 328-333(IRECE/Abstracting and Indexing Information: Scopus SJR 2016: 0.537 SNIP 2016: 0.5 CiteScore 2016: 0.65), http://www.praiseworthyprize.com/IRECE-latest/IRECE_vol_1_n_5.html
47. K. Vogiatzis, P. Vanhonacker, P. Carels, "Quiet tram track» infrastructure solutions at Athens Tramway network for squealing noise attenuation", ICATOR Journal of Engineering, Vol. 2, No. 3(3) (2009), pages 351-361, Indian Centre for Advanced Scientific and Technological Research, http://www.icastorindia.org/view_details.aspx?fn=146
48. K. Vogiatzis, "Vibration & Ground borne Noise Mitigation Measures at Athens Tramway, The PREFARAIL-COMFORT® embedded track & CDM-DFMA-L10® Floating slab-track vibration isolation solution", ICATOR Journal of Engineering, Vol. 2, No. 3(2) (2009), pages 317-327, Indian Centre for Advanced Scientific and Technological Research, http://www.icastorindia.org/view_details.aspx?fn=170
49. K. Vogiatzis, P. Vanhonacker, "Noise & Vibration Evaluation of a Floating Slab in Direct Fixation Turnouts in Stavros extension of Athens METRO", ICATOR Journal of Engineering, Vol. 2, No. 3(2) (2009), pages 293-308, Indian Centre for Advanced Scientific and Technological Research, http://www.icastorindia.org/view_details.aspx?fn=168
50. K. Vogiatzis, P. Carels, "The modern tram in great Athens, (Olympic Games 2004)", INGEGNERIA FERROVIARIA, 11/2008, (p. 943-954) (SCOPUS) - 3o PREMIO - 3rd PRIZE - 2008, <http://www.ingegneriaferroviaria.it/web/en/content/modern-tram-great-athens-olimpic-games->

2004

51. K. Vogiatzis, N. Eliou, Evaluation of Impacts to the acoustic Environment and the transportation noise from the implementation of speed bumps in urban regions, Technica Chronika, TEE, I, Issue 3 (2007), Publications of Civil Eng, pp. 11-19, http://portal.tee.gr/portal/page/portal/PUBLICATIONS/SCIENTIFIC_PUBLICATIONS/SEIRA_I/ETOS_2_007/tefhosC/01_1.pdf
52. K. Vogiatzis, Low and Medium height noise barrier's implementation at Athens Tramway for transportations noise abatement, Technica Chronika TEE, I, Issus 1-2 (2007), Publications of Civil Eng, pp Indexed in Scientific References COSMOS, pp 11-20, http://portal.tee.gr/portal/page/portal/PUBLICATIONS/SCIENTIFIC_PUBLICATIONS/SEIRA_I/ETOS_2_007/tefhosA/01.pdf
53. K. Vogiatzis, Investigation of ground borne noise and vibrations from Athen's Tramway operation. Floating Slab and Elastic encapsulation of Rail at: "Kassomouli", "Gouveli", "Stroggonof" & "Panagitsa" areas, Technica Chronika, TEE, I, Issue 3 (2006), Publications of Civil Eng, pp 11-19, http://portal.tee.gr/portal/page/portal/PUBLICATIONS/SCIENTIFIC_PUBLICATIONS/SEIRA_I/ETOS_2_006/tefhosC/01_1.pdf
54. K. Vogiatzis, N. Eliou, " Evaluation of air pollutants emissions and traffic noise fluctuation in the cabins of Tolls of Attiki Odos, Technica Chronika TEE March - April 2008, Issue 2, 16 pages. http://library.tee.gr/digital/techr/2008/techr_2008_2_vogiatzis.pdf
55. N. Eliou, K. Vogiatzis, F. Kehagia, "Evaluation of noise levels in urban environment in Greece", WSEAS Transactions on Environment and Development, Issue 8, V.2, pp 1065-1071, 2006, (SCOPUS), <http://www.worldses.org/journals/environment/old.htm>
56. K. Vogiatzis, "Environmental Noise Monitoring Networks in Greek cities & major road networks", Technica Chronika TEE March - April 2005, Issue 2, 15 pages http://library.tee.gr/digital/techr/2005/techr_2005_2_vogiatzis.pdf
57. C. Vogiatzis, P. Carels, "Prefarail - Comfort "Embedded Rail" and CDM-DFMA "Floating Slabtrack" technologies for fast execution of earthquake resistant track infrastructure with high performance noise, vibration & ground borne noise mitigation measures, design, execution and verification", EURAILmag Business & Technology, Sifer 05 - Special Edition, 11/03/2005, (σελ. 15-19).
58. C. Vogiatzis, Dr. P. Vanhonacker, P. Carels, "Design, Development and Implementation of a High Performance FST System for Direct Fixation Turnouts in the Athens 2004 Olympics Infrastructure Extension Program of Athens Metro", 4e trim. 2004, Acoustique Techniques, (σελ. 59-66), Indexed in Ref.doc.fr (INIST-CNRS).
59. K. Vogiatzis "Investigation of ground borne noise and Vibrations from the operation of TRAM of Athens", Journal Sidirotrochia, Issue 25, Dec 2003, (pages 39-43).
60. C. Vogiatzis, K. Psychas, S. Chaikali, "Environmental Noise as a design parameter in urban tourist areas in Greece - A social, technical & legal approach", 1er trimestre 2001, Acoustique et Techniques, (σελ. 41-49), Indexed in Ref.doc.fr (INIST-CNRS).
61. C. Vogiatzis, «La gestion de l'environnement sonore urbaine dans les villes touristiques de Grèce - les villes de l'Europe du sud et les perspectives européennes », ECHO BRUIT Le magazine de l' environnement sonore, 1999 (σελ. 43-45).
62. K. Vogiatzis, H. Mouzakis, Criteria for vibration from railway and light rail transportation projects construction for the protection of buildings and the avoidance of annoyance, EPISTIMONIKO KTIRIO, B/1999, (pages 57-59).
63. K. Vogiatzis, H. Mouzakis, Monitoring & recording of Vibration at Academy & Iliou Melathron buildings during TBM operation at Athens Metro Line: Academy - Syntagma, EPISTIMONIKO KTIRIO B/1999, (pages 61-65).
64. C. Vogiatzis, « Le bruit du a la circulation dans les villes Grecques, Diagnostic - Actions - Réglementation », ECHO BRUIT Le magazine de l' environnement sonore 5, Juin - Juillet 1992, (2 σελ.).
65. C. Vogiatzis, K. Psychas, "Some considerations about traffic noise legislation and applied limits of some North and South European countries-with a reference for the Athens central area", 1990, REVISTA DE ACUSTICA, (σελ. 95-101).
66. K. Vogiatzis, I. Frantzeskakis, K. Psychas, Diffusion of CO in Acadimias Ippokratous - Solonos junctions, correlation with traffic and Taxi, Technica Chronika, Volume (10)2, 1990, (pages 7-23).
67. K. Vogiatzis, K. Psychas, G. Karantounias, Investigation of possibilities for the mitigation of traffic noise from plantation and green zones systems, Technica Chronika, Volume (10)1, January - March

1990, (pages 7-20).

68. K. Vogiatzis, E. Mintsis, I. Frantzeskakis, M. Chatziargioglou, Benefits from the enforcement of parking ban on the access of signalized junctions, Technika Chronika, Volume (9)1, January - March 1989, (pages 7-30).

Papers in Congresses/Conference proceedings with reviewers:

1. G. Gerolymatou, Ev. Thomai, K. Vogiatzis, Special Environmental Noise Evaluation Study in 10 locations, "PATHE - Section Maliakos - Kleidi" Motorway and Environmental Road Traffic Noise Monitoring Program, EURONOISE 2018, Heraklion, Crete Greece, 27-31 May 2018.
2. N. Remy, K. Vogiatzis, Towards sustainable urban sound environment: several case studies in Greece, EURONOISE 2018, Heraklion, Crete Greece, 27-31 May 2018.
3. K. Vogiatzis, D. Dimitriou, Ch. M. O' Connor, A. Konstantinidis, G. Gerolymatou, Strategic Noise Map 2017 of Athens International Airport "Eleftherios Venizelos" (Traffic Data 2016), EURONOISE 2018, Heraklion, Crete Greece, 27-31 May 2018.
4. K. Vogiatzis, V. Zafeiropoulou, Implementation of Noise Barriers in Attiki Odos Motorway based on the relevant Strategic Noise Mapping and Noise Action Plan, EURONOISE 2018, Heraklion, Crete Greece, 27-31 May 2018.
5. K. Vogiatzis, H. Mouzakis, V. Zafeiropoulou, A methodology for accessing ground borne noise and vibration transfer functions "Tunnel wall - Soil surface" for metropolitan rail networks using the TBM Muck Train as a linear source: Measurements campaign in the extension of Athens Metro Line 3 towards Piraeus, EURONOISE 2018, Heraklion, Crete Greece, 27-31 May 2018.
6. DP Connolly, KE Vogiatzis, G. Kouroussis, Hybrid experimental - numerical approach to predict ground vibrations from localized railway defects, Railway Engineering - 2017, 14th International Conference & Exhibition, 21-22 June 2017, Edinburgh, Scotland.
7. K. Vogiatzis, G. Kouroussis, Environmental road transportation noise monitoring. A necessary tool for the protection & Rehabilitation of the urban acoustic environment, The 24th International Congress on Sound and Vibration ICSV24, 23-27 July 2017, London.
8. G. Kouroussis, K.E. Vogiatzis and D. P. Connolly, A hybrid two-step approach for evaluating of rail local defect on building vibration, The 24th International Congress on Sound and Vibration ICSV24, 23-27 July 2017, London.
9. G. Kouroussis, K.E. Vogiatzis and D. P. Connolly, A hybrid numerical - experimental assessment of railway ground vibration in urban area, First International Conference on Rail Transportation, 10-12 July, 2017 Chengdu China
10. G. Kouroussis, H. Mouzakis, K. Vogiatzis, Structural impact response for assessing railway vibration induced on buildings, 5^{ème} Colloque "Analyse Vibratoire Experimentale" INSA Centre Val de Loire, 15-17 November 2016, Blois, France.
11. V. Profillidis, K. Vogiatzis, Ch. Antoniadis, Ch. Mouzakis, MONITORING AND ASSESSMENT OF VIBRATION DURING CONSTRUCTION OF ATHENS METRO EXTENTION TO PIRAEUS, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
12. B. Halkias, K. Vogiatzis, F. Papadimitriou, D. Mandalozis, N. Kolettis, K. Drimeris, STRATEGIC NOISE MAPPING AND NOISE ACTION PLANNING IN ATTICA TOLLWAY, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
13. I. Constantinou, J. Constantinidou, K. Vogiatzis, Ch. Antoniadis, STRATEGIC NOISE MAPPING AND NOISE ACTION PLANS OF NICOSIA, LIMASSOL, LARNACA AND PAFOS MAJOR ROADS - 1ST ROUND UNDER DIRECTIVE 2002/49/EU, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
14. J. Constantinidou, I. Constantinou, K. Vogiatzis, Ch. Antoniadis, STRATEGIC NOISE MAPPING AND NOISE ACTION PLANS OF NICOSIA AND LIMASSOL URBAN AGGLOMERATIONS AND ROADS - 2ND ROUND UNDER DIRECTIVE 2002/49/EU, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
15. K. Vogiatzis, Ch. Antoniadis, STRATEGIC NOISE PLAN OF ATHENS - INTRODUCING A LARGE SCALE ACTION PLAN AT THE HISTORIC CENTRE, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
16. D. Mandalozis, N. Kalfa, K. Vogiatzis, P. Kopelias, TRAFFIC MANAGEMENT ACTIONS IN THE FRAMEWORK OF STRATEGIC NOISE MAPPING TOWARDS A SUSTAINABLE ENVIRONMENT - THE CASE OF ATTICA TOLLWAY, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.

17. P. Kopelias, K. Vogiatzis, N. Eliou, K. Kepaptsoglou, SUSTAINABLE ROAD ACOUSTIC ENVIRONMENT AND ECONOMIC RECESSION, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
18. Em. Fragoulis, K. Vogiatzis, ROAD TRAFFIC NOISE MITIGATION MEASURES: A BASIC PARAMETER IN THE ENVIRONMENTAL DESIGN POLICY AT OLYMPIA ODOS MOTORWAY, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
19. P. Kopelias, K. Vogiatzis, Ch. Antoniadis, COST EVALUATION OF NOISE BARRIERS IMPLEMENTATION IN THE GREEK HIGHWAY NETWORK, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
20. N. Remy, K. Vogiatzis, "SOUNDSCAPE & LAND USES MANAGEMENT AS COMPREHENSIVE ENVIRONMENTAL PROTECTION ACTION POLICY TOOL WITHIN THE STRATEGIC ENVIRONMENTAL NOISE MAPPING IN GREECE", The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
21. H. Mouzakis, K. Vogiatzis, GROUND-BORNE NOISE AND VIBRATION TRANSMITTED FROM SUBWAY NETWORKS TO A TYPICAL ATHENIAN MULTI-STOREY REINFORCED CONCRETE BUILDING, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
22. N. Eliou, Ath. Galanis, K. Vogiatzis, G. Botzoris, SUSTAINABLE TRANSPORTATION AND REDUCTION OF ROAD TRAFFIC NOISE IN THE URBAN BUILT ENVIRONMENT: A CASE SURVEY IN THE CITY OF XANTHI, NORTHERN GREECE, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
23. P. Kassomenos, K. Vogiatzis, A. Paschalidou, THE RELOCATION OF HERAKLION INTERNATIONAL AIRPORT. AN HOLISTIC ENVIRONMENTAL APPROACH, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
24. Th. Evangelou, I. Nassoulis, K. Vogiatzis, Ch. Antoniadis, NOISE MONITORING PROGRAM FROM THE OPERATION OF PATHE MOTORWAY : MALIAKOS -KLIDI SECTION IN NORTHERN GREECE, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
25. A. Loizos, P. Georgiou, K. Georgioli, Ath. Scarpas, K. Vogiatzis, Experimental Investigation on Tire-Pavement noise and wearing course surface characteristics, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
26. N. Manara, K. Vogiatzis, Ch. Antoniadis, I. Boulrieris ROAD TRAFFIC NOISE MONITORING PROGRAM FOR THE OPERATION OF "NEA ODOS S.A." MOTORWAY, AT THE SECTIONS: METAMORFOSSI - SKARFIA (PATHE MOTORWAY) & ARTA AND AGRINIO URBAN AGGLOMERATIONS BY PASS (IONIA MOTORWAY), The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
27. J. Glekas, K. Vogiatzis, Ch. Antoniadis STRATEGIC NOISE MAPPING AND ACTION PLANS FOR THE INTERNATIONAL AIRPORTS OF LARNAKA & PAFOS IN CYPRUS, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
28. G. Mikroudis, K. Vogiatzis, MATHEMATICAL RELATIONSHIP BETWEEN LDEN AND NEF FOR AIRCRAFT NOISE, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
29. Vogiatzis K., Eliou N., Kopelias P., Misokefalou E., Antodiadis Ch. Evaluation of Positive & Negative effects from the use of anti-noise barriers a mitigation measure for road traffic environmental noise, 7th International Congress on Transportation Research, Athens 5-6 November 2015.
30. Vogiatzis K., Antoniadis Ch., Kopelias P., Misokefalou E., Comparison of populations exposure results at airport noise zones using different noise prediction softwares (INM, IMMI/CadnaA) in the framework of the Corfu Strategic Noise Map, 7th International Congress on Transportation Research, Athens 5-6 November 2015.
31. K. Vogiatzis, The permanent air pollution monitoring system of Attiki Odos Motorway, Temporal Variation of air pollutants from the operation of the project in 2014, 2nd Environmental Conference of Thessaly, Skiathos, 26-27 Sept. 2015, ISBN: 978-960-6865-90-9.
32. K. Vogiatzis, P. Kopelias, Ch. Antoniadis, Investigation of implementation of Noise Barrier in Volos Regional, in the framework of Strategic Environmental Noise Mapping in Urban Agglomeration of Volos, 2nd Environmental Conference of Thessaly, Skiathos, 26-27 Sept. 2015, ISBN: 978-960-6865-90-9.
33. K. Vogiatzis, Ch. Antoniadis, Environmental noise monitoring program and implementation of noise barriers in Attiki Odos Motorway, regarding KYA 211773/2012 (1367B/27-04-2012, 2nd Environmental Conference of Thessaly, Skiathos, 26-27 Sept. 2015, ISBN: 978-960-6865-90-9.
34. P. Vanhonacker & K. Vogiatzis, High railway rolling noise reduction by combining existing track based solutions, 10th Contact Mechanics 2015 Conference, Aug. 30 - Sept. 3, 2015, Colorado Springs, Colorado, USA.

35. K. Vogiatzis, G. Kouroussis, Efficiency of Vibration mitigation measures (floating slabs) at the latest extensions on Lines 2 and 3 of the Athens Metro, The 22nd International Congress on Sound and Vibration ICSV22, 12-16 July 2015, Florence, Italy.
36. G. Kouroussis, G. Alexandrou, O. Verlinden, D.P. Connolly & K. Vogiatzis, Modelling the singular rail and wheel surface defect for predicting railway ground vibration, The 22nd International Congress on Sound and Vibration ICSV22, 12-16 July 2015, Florence, Italy.
37. K. Vogiatzis, H. Masoumi, B. Stallaert & P. Vanhonacker, High rolling noise reduction by combining existing track based solutions, The 22nd International Congress on Sound and Vibration ICSV22, 12-16 July 2015, Florence, Italy.
38. V. Profillidis & K. Vogiatzis Vibrations from rail traffic and mitigations measures for the reduction of railway noise, The 22nd International Congress on Sound and Vibration ICSV22, 12-16 July 2015, Florence, Italy.
39. J. I. Bento Coelho, N. Remy & K. Vogiatzis, Urban Sound Planning in the City Centre of Thessaloniki, The 22nd International Congress on Sound and Vibration ICSV22, 12-16 July 2015, Florence, Italy.
40. K. Vogiatzis, Ch. Antoniadis, Evaluating urban morphology & traffic interventions impact at the environmental acoustic landscape, within the rehabilitation project of Panepistimiou Street, International Conference on "Changing Cities 2 Spatial, Design, Landscape & Socio-economic Dimensions, Porto Heli, Peloponnese - Greece 22-26 June 2015.
41. K. Vogiatzis, Assessment of Environmental Noise due to Aircraft Operation at the CORFU, International Airport according to the 2002/49/EC Directive and the new Greek National Legislation, Euronoise 2015, Maastricht, May 31st -June 3rd 2015.
42. G. Kouroussis, G. Alexandrou, D. P. Connolly, K. Vogiatzis, and O. Verlinden, Railway-induced ground vibrations in the presence of local track irregularities and wheel flats, COMPDYN 2015, 5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete Island, Greece, 25-27 May 2015.
43. V. Dalamagas, K. Vogiatzis, Ch. Antoniadis, The so far progress of the strategic mapping of environmental noise in Greece, 7th National Conference AKOUSTIKI 2014, 20-21 Oct. 2014, Thessaloniki.
44. K. Vogiatzis, Ch. Antoniadis, V. Liapis, N. Konstantopoulos, A. Argyropoulos, The QUIET-TRACK Project - Noise Mitigation Measures at ISAP Line 1 Project 604891, 7th National Conference AKOUSTIKI 2014, 20-21 Oct. 2014, Thessaloniki.
45. K. Vogiatzis, P. Kopelias, D. Mandalozis & N. Kalfa, Acoustic sustainable environment through freeway traffic management actions, The 21st International Congress on Sound and Vibration ICSV21, 13-17 July 2014, Beijing/China.
46. K. Vogiatzis, N. Remy, Strategic noise mapping in Greece & Cyprus From environmental noise abatement to soundscape rehabilitation, ECHOPOLIS Days of Sound - "Sounds, noise and music for re-thinking sustainable building, city and eco-neighborhood", 29 Sept - 3 Oct 2013, Michalis Cacoyannis Foundation, Athens.
47. Vogiatzis, K. Strategic noise mapping in Greece & Cyprus - Some considerations regarding delays and particularities in south European countries from the implementation of the directive 2002/49/EC, 42nd International Congress and Exposition on Noise Control Engineering 2013, Inter-Noise 2013: Noise Control for Quality of Life, 4, 2696-2703, Innsbruck Austria, 15-18 September, (2013).
48. K. E. Vogiatzis, V. Dalamagas, Strategic Noise Mapping in mid-sized urban agglomerations of South Europe. The case of Volos - Greece, The 20th International Congress on Sound and Vibration ICSV20, 07-11 July 2013, Bangkok, Thailand (SCOPUS).
49. K. E. Vogiatzis, N. Remy, From noise abatement to soundscape creation through strategic noise mapping, The 20th International Congress on Sound and Vibration ICSV20, 07-11 July 2013, Bangkok, Thailand (SCOPUS).
50. K. E. Vogiatzis, Evaluation of Attiki Odos monitoring program on environmental road traffic noise (2008-2011), 6th National Conference AKOUSTIKI 2012, 8-10 Oct. 2012, Corfu, Greece.
51. K. E. Vogiatzis, Dr. St. Kephelopoulou, Common NOise ASSESSment MethOdS in EU The European program (CNOSSOS-EU) on common European assessment methods for strategic noise mapping as per the Directive 2002/49/EC, 6th National Conference AKOUSTIKI 2012, 8-10 Oct. 2012, Corfu, Greece.
52. K. Vogiatzis, The environmental transportation noise as a parameter in spatial and urban planning. The case of Attica Tollway and Larnaca, 3rd National Conference of Urban Planning and Regional Development, Volos, 27-30 September 2012.
53. K. Vogiatzis, X. Antoniadis & N. Manara, Air pollution monitoring program from the operation of Nea Odos Motorway in the Road Segment PATHE: Metamorfosi - Skarfia, 1st Environmental Conference of Thessaly, Skiathos, 8-10 September 2012.

54. K. Vogiatzis, X. Antoniadis & Th. Evangellos, Environmental Noise Monitoring program from the operation of PATHE Motorway: Maliakos - Kleidi (2010-2011), 1st Environmental Conference of Thessaly, Skiathos, 8-10 September 2012.
55. Th. Valkouma, K. Vogiatzis, Monitoring Program of air pollution levels in road Segment of the Egnatia Odos Motorway and its vertical axes, 1st Environmental Conference of Thessaly, Skiathos, 8-10 September 2012.
56. K. Vogiatzis, Environmental traffic noise and the new calculation and evaluation methodological framework as part of the research program "CNOSSOS- EU"/, 1st Environmental Conference of Thessaly, Skiathos, 8-10 September 2012.
57. K. E. Vogiatzis, Ch. Antoniadis, Pavement noise absorption and surface characteristics in Athens Ring Tollway, The 19th International Congress on Sound and Vibration ICSV19, 08-12 July 2012, Vilnius Lithuania (SCOPUS).
58. M. Paviotti, K. E. Vogiatzis, Noise and annoyance from motorbikes, scooters and mopeds in urban areas, The 19th International Congress on Sound and Vibration ICSV19, 08-12 July 2012, Vilnius Lithuania (SCOPUS).
59. K. E. Vogiatzis, V. Dalamagas, D. Dalamaga, Environmental noise monitoring program in urban & semi urban motorway & railway networks in Greece. A comprehensive analysis for the last 10 years of operation, The 19th International Congress on Sound and Vibration ICSV19, 08-12 July 2012, Vilnius Lithuania (SCOPUS).
60. M. Paviotti, K. Vogiatzis, PTW Noise Levels and Potentials for Reduction, Euronoise 2012, 10-13 June 2012, Prague (SCOPUS).
61. K. E. Vogiatzis, Groundborne Noise and Vibration Assessment from Metro operation in the New Athens Metro Extension to Piraeus, Recent Researches in applied Mechanics, WSEAS Conference, 3rd International Conference on Theoretical and Applied Mechanics (TAM 12), Vouliagmeni Beach, Athens, Greece, May 7-9, 2012.
62. St. Papaeliou, N. Eliou, K. Vogiatzis, Contribution in the investigation of drivers' behavior in different ambient lighting conditions, using innovative technologies, 3rd National Conference of Roads, 9-10 February 2012, Athens.
63. K. Vogiatzis, N. Eliou, Ch. Antoniadis, Parameters effecting the source of environmental traffic noise in construction projects. Noise power, longitudinal alignment, wheel - road interaction, paving, directivity, The new harmonized European Method "Cnossos - EU" 3rd National Conference of Roads, 9-10 February 2012, Athens.
64. K. Vogiatzis, Strategic Noise Maps & Noise Action Plans at Larnaka International Airport (Cyprus) according to the European Directive 2002/49/EC, The 18th International Congress on Sound and Vibration ICSV18, 10-14 July 2011, Rio de Janeiro, Brazil (SCOPUS).
65. J. L. Bento Coelho, K. Vogiatzis, G. Licitra, The CNOSSOS - EU initiative: A framework for road, railway, aircraft and industrial noise modeling for Strategic Noise Mapping in EU member states, The 18th International Congress on Sound and Vibration ICSV18, 10-14 July 2011, Rio de Janeiro, Brazil (SCOPUS).
66. K. Vogiatzis, Lecture S. Chaikali, Gl. Siouti, ENVIRONMENTAL NOISE PROTECTION IN GREECE RECENT LEGAL FRAMEWORK & ACTION TOOLS, The 18th International Congress on Sound and Vibration ICSV18, 10-14 July 2011, Rio de Janeiro, Brazil (SCOPUS).
67. K. Vogiatzis, G. Adamos, N. Eliou, Environmental noise measurements and DTM modeling in dense urban conditions in Volos City Center according to the 2002/49/EU Directive, The 18th International Congress on Sound and Vibration ICSV18, 10-14 July 2011, Rio de Janeiro, Brazil (SCOPUS).
68. K. Vogiatzis, B. Chalkias, D. Mandalosis, The new integrated environmental road traffic noise and air pollution monitoring system of Attiki Odos Motorway according to European Directives 2008/50/EC & 2002/49/EC, 5th International Conference on Transport Research, 27-28 September 2010, Volos.
69. K. Vogiatzis, Th. Valkouma, Monitoring & Mapping of Road Traffic Noise in sections of Egnatia Odos Motorway, 5th International Conference on Transport Research, 27-28 September 2010, Volos.
70. K. Vogiatzis, Ing. J. Argyropoulos & P. Veletsos, Squealing noise abatement techniques in Athens Tram network, The 17th International Congress on Sound and Vibration ICSV17, 18-22 July 2010, Cairo, Egypt (SCOPUS).
71. K. Vogiatzis, Th. Valkouma, Enforcement of the EU Directive 2002/49/EC regarding Road Environmental Noise in GREECE THE case OF «EGNATIA ODOS» Motorway, The 17th International Congress on Sound and Vibration ICSV17, 18-22 July 2010, Cairo, Egypt (SCOPUS).
72. K. Vogiatzis, S. Chaikali, P. Karamanos and M. Sarkissian, Strategic Noise Maps & Noise Action Plans for the protection of urban areas from Athens International Airport (AIA) operation according to

- European Directive 2002/49, The 17th International Congress on Sound and Vibration ICSV17, 18-22 July 2010, Cairo, Egypt (SCOPUS).
73. K. Vogiatzis, Th. Valkouma, N. Eliou, TRANSPORTATION NOISE: A BASIC ENVIRONMENTAL DESIGN PARAMETER IN THE N-E COUNTRIES OF EU, The European Directive 2002/49/EC, The GR experience & the case of EGNATIA ODOS, 16th IRF (International Road Federation) World Meeting, Lisbon Congress Centre, Portugal | 25-28 May 2010.
 74. N. Eliou, K. Vogiatzis, N. Katsianis, VEHICLE TYPE AND ENGINE POWER AS FACTORS AFFECTING DRIVERS' RISK PERCEPTION OF THE GEOMETRIC CHARACTERISTICS OF ROAD NETWORK, 16th IRF (International Road Federation) World Meeting, Lisbon Congress Centre, Portugal | 25-28 May 2010.
 75. K. Vogiatzis, Ch. Mouzakis, NOISE & VIBRATIONS MONITORING PROGRAM FOR THE PROTECTION OF KAPNIKAREA CHURCH FROM ATHENS METRO OPERATION, 8th MONUBASIN Symposium, Patras, Greece, May 31 to June 2, 2010.
 76. K. Vogiatzis, Th. Valkouma, Monitoring of traffic noise levels and air pollutants diffusion in Egnatia Odos Motorway segments in operation. 2nd National Conference on Urban Planning & Regional Development 24-27 September 2009, University of Thessaly, Volos
 77. K. Vogiatzis, Noise & Vibration Evaluation of a Floating Slab implementation in the Kerameikos Archaeological area at Athens METRO network, The 16th International Congress on Sound and Vibration ICSV16, 5-9 July 2009, Krakow, Poland (SCOPUS).
 78. K. Vogiatzis, Th. Valkouma, MONITORING OF ROAD TRAFFIC NOISE IN OPERATING SECTIONS OF EGNATIA MOTORWAY, The 16th International Congress on Sound and Vibration ICSV16, 5-9 July 2009, Krakow, Poland (SCOPUS).
 79. K. Vogiatzis, P. Vanhonacker, P. Carels, QUIET TRAM TRACK INFRASTRUCTURE SOLUTIONS AT ATHENS TRAMWAY NETWORK FOR SQUEALING NOISE ATTENUATION, The 16th International Congress on Sound and Vibration ICSV16, 5-9 July 2009, Krakow, Poland (SCOPUS).
 80. N. Eliou, K. Vogiatzis, ROAD TRAFFIC NOISE MONITORING PROGRAM & MITIGATION MEASURES AT THE ATHENS RING MOTORWAY, The 16th International Congress on Sound and Vibration ICSV 16, 5-9 July 2009, Krakow, Poland (SCOPUS).
 81. S. Chaikali, K. Vogiatzis, Environmental Noise as an important legal conception in the rehabilitation of the acoustic urban environment, The 16th International Congress on Sound and Vibration ICSV16, 5-9 July 2009, Krakow, Poland (SCOPUS).
 82. K. Vogiatzis, Noise reduction and protection policies. Institutional and technical tools, Local Authorities Conference, «COLORING THE CITY», Athens 3-5 April 2009.
 83. K. Vogiatzis, Occupational air quality and noise environment evaluation inside the toll booths, IRF 2nd Roads and the Environment Conference, 10 - 11 November 2008, Geneva (Switzerland).
 84. K. Vogiatzis, J. Argyropoulos, «Quiet tram track» infrastructure solutions at Athens Tramway network, AATT 2008, 27-31 May, Athens Greece.
 85. K. Vogiatzis, Environmental Effects from Vibration Emitted from the Operation of Urban Highways: A measurement campaign at Athens Ring Motorway Network, The 14th International Congress on Sound and Vibration ICSV14, 9-12 July 2007, Cairns Australia (SCOPUS).
 86. K. Vogiatzis, N. Eliou, Occupational Noise Vibration & Air Pollutants Fluctuation inside the Toll Booths in the Athens Ring Motorway Network: Attiki Odos", The 14th International Congress on Sound and Vibration ICSV14, 9-12 July 2007, Cairns Australia (SCOPUS).
 87. K. Vogiatzis, V. Vasiliadis, Environmental Noise Investigation Procedure in the Urban Road Network in Malta, The 14th International Congress on Sound and Vibration ICSV14, 9-12 July 2007, Cairns Australia (SCOPUS).
 88. N. Eliou, K. Vogiatzis, Evaluation of side road safety of current road according to standard EN1317, Implementation in suburban road network, 4th International Conference on Bituminous Mixtures and Pavements, Thessaloniki, 19-20 April 2007.
 89. N. Eliou, K. Vogiatzis, F. Kehagia, Noise levels of the "In the town without my car" on the 22nd September 2000, in urban environment, Environment, Ecosystems and Development (EED'06), Venice, November 20-22, 2006.
 90. C. Vogiatzis, E. Tzekakis, V. Vassiliadis, Long term environmental & transportation Noise Monitoring in the cities of Veria & Ioannina in northern Greece according to the 2002/49/EC directive, The 13th International Congress on Sound and Vibration, 2-6 July 2006, Vienna, Austria.
 91. C. Vogiatzis, Prototype barriers for tram and trains in urban environment. Measurement campaign at Athens Tram network, The 13th International Congress on Sound and Vibration, 2-6 July 2006, Vienna, Austria.

92. C. Vogiatzis, Vibration & Ground borne Noise Mitigation Measures at Athens Tramway, 9th International Conference on Environmental Science and Technology, 1-3 September 2005, Rhodes Island Greece.
93. C. Vogiatzis, P. Carels, Vibration & Groundborne noise monitoring and evaluation at various antivibration measures at Athens tramway, The 12th International Congress on Sound and Vibration, 11-14th July 2005, Lisbon - Portugal (SCOPUS).
94. C. Vogiatzis, S. Chaikali, A. Chatzopoulou, Existing legal framework for environmental acoustics in Greece, The 12th International Congress on Sound and Vibration, 11-14th July 2005, Lisbon - Portugal. (SCOPUS)
95. C. Vogiatzis, F. Chonianiaki, Noise action plans in Greece - Case studies of cities of Rethimno, Veria, Ioannina, Heraklion and Municipality of Psichico, The 12th International Congress on Sound and Vibration, 11-14th July 2005, Lisbon - Portugal. (SCOPUS)
96. C. Vogiatzis, A. G. Keleseis, M.E. Petrakakis, P. Tzoumaka, E. Koutsari, Urban traffic noise monitoring program in the city center of Thessaloniki, Greece, The 12th International Congress on Sound and Vibration, 11-14th July 2005, Lisbon - Portugal. (SCOPUS)
97. C. Vogiatzis, J. Argyropoulos, A. Katsouridis, Airborne noise attenuation techniques in close curves from Athens Tramway operation, The 12th International Congress on Sound and Vibration, 11-14th July 2005, Lisbon - Portugal. (SCOPUS)
98. C. Vogiatzis, P. Vanhonacker, P. Carels, Design, Development and Implementation of a High Performance FST System for Direct Fixation Turnouts in the Athens 2004 Olympics Infrastructure Extension Program of Athens Metro, 8th International Conference and Exhibition, Railway Engineering - 2005, London UK, 29-30 June 2005.
99. P. Carels, C. Vogiatzis, "The "Olympic" Tram in Athens 2004. PREFARAIL-COMFORT "Embedded Rail" and CDM-DFMA "Floating Slab track" Technologies for fast execution of earthquake resistant track infrastructure with high performance Noise, Vibration & Ground borne Noise Mitigation Measures. Design, execution and verification" 8th International Conference and Exhibition, Railway Engineering - 2005, London UK, 29-30 June 2005.
100. K. Vogiatzis, N. Eliou, Investigation of harmful chemical factors and noise fluctuation in the cabins of Tolls in Attiki Odos, 2nd National Conference of Roads, Volos 18-20 May 2005
101. K. Vogiatzis, N. Eliou, Use of speed reducer in residential areas. Impacts on the acoustic environment, 2nd National Conference of Roads, Volos 18-20 May 2005.
102. C. Vogiatzis, ENVIRONMENTAL NOISE MONITORING NETWORKS IN GREEK CITIES & MAJOR ROAD NETWORKS, The case studies of: 1. Athens ring road (ATTIKI ODOS traffic noise network), 2. VERIA Noise Observatory, 3. TRAM Monitoring N&V Monitoring system, 4. Ioannina, P. Psihiko, Rethymno Noise action plans, HELECO '05 - Εκδήλωση Περιβάλλον & Ακουστική, Αθήνα 3-6 Φεβρουαρίου 2005.
103. C. Vogiatzis, S. Chaikali, Vibrations & Ground Borne Noise criteria & mitigation measures at Athens Tramway, 11th International Congress on Sound and Vibration, St. Petersburg Russia 5-8 July 2004.
104. K. Vogiatzis, Donatien Le Houedec, M. Maldonado, Th. Leguis, Vibrations problems connected to the realisation of the Athens Tramway, Le XIV^e Colloque Vibration, Chocs et Bruit, L' association Française de mécanique, 16-17 June 2004.
105. K. Vogiatzis, Monitoring and management of road traffic noise in urban road projects: The case of Attiki Odos Motorway, 2nd International Conference on Transport Research in Greece, 26-27 February 2004.
106. K. Vogiatzis, N. Eliou, H. Mouzakis, Recording and evaluation of vibrations on surface Tram systems in Nantes, Paris (T2) & Milan for the determination of the vibration spectrum of Athens' Tram, International Conference «Modern Tram Systems and Surface Subway" Patra's University, May 2003.
107. C. Vogiatzis, P. Carels, St. Dirven, J. Argyropoulos, Implementantion of a «Prefarail - Comfort» Vibration isolation embedded track solution for Athens Tramway, International Conference «Modern Tram Systems and Surface Subway" Patra's University, May 2003.
108. K. Vogiatzis, N. Eliou, H. Mouzakis, Evaluation of anti-vibration protection measures in Adrianou Gate from the construction and operation of Athens' Tram, HELECO '03, Athens 30 Jan - 2 Feb 2003, Indexed in Scientific References COSMOS.
109. K. Vogiatzis, Traffic Noise Monitoring System of Attiki Odos Motorway, HELECO '03, Athens 30 Jan - 2 Feb 2003.
110. K. Vogiatzis, A. Chatzopoulou, F. Chonianiaki, S. Chaikali, Protection and improvement of acoustic environment in Greek island tourist areas, HELECO '03, Athens 30 Jan - 2 Feb 2003.
111. K. Vogiatzis, Research on the effect of road surface in the fluctuation of the road traffic noise at the Pallini - Spata Road Segment of Eleysina - Stavros - Spata Highway, 3rd International Conference on

- Bituminous Mixtures and Pavements, Thessaloniki, 21-22 November 2002, Highway Engineering Laboratory of AUTH, Egnatia Odos SA.
112. C. Vogiatzis & H. Mouzakis, Vibration monitoring from existing tramways in France in the framework of anti-vibration study for Athens tram, International Conference "Protection and Restoration of the Environment VI, Skiathos July 1-5 2002.
 113. C. Vogiatzis, F. Chonianaki, Acoustic climate in Tourist traditional settlements in Greek island - the case of Mykonos, INTERNOISE 2001 -The Hague, Holland, - August 2001.
 114. C. Vogiatzis, Noise in the tourist city of Rhodes - 10 years of efforts in acoustic environment rehabilitation, INTERNOISE 2001 -The Hague, Holland, - August 2001.
 115. C. Vogiatzis, et al., Rehabilitation of the acoustic environment of the city of Rhodes- INTERNOISE 2000-Nice France - August 2000.
 116. C. Vogiatzis, Noise Mapping in Greece and the Psychosocial Parameters of Mediterranean Countries - INTERNOISE 2000-Nice France - August 2000.
 117. C. Vogiatzis, Vibration at buildings of high cultural value from TBM operation at ATHENS METRO LINE : AKADEμία - SYNTAGMA - INTERNOISE 2000-Nice France - August 2000.
 118. C. Vogiatzis, The problem of Traffic Noise in Greek Urban Areas Diagnostic Actions - legislation Measures to be taken, Session: Reduction du bruit routier et gestion des villes /Traffic noise reduction and city management, EUROSYPPOSIUM, "Maitrise du bruit routier en milieu urbain" "The mitigation of traffic noise in urban Areas" Cite des Congres Nantes-France, Reference Book, 12-15 May 1992, (σελ. 285-289).
 119. K. Vogiatzis, F. Chonianaki, I. Panagopoulos, Th. Karagiannis, N. Markatos, D. Gatsos, I. Frantzeskakis, Environmental auditing, air quality models & air pollution: two environmental impact assessment case studies on the Rhodes airport & the Kolonaki Square Garage, International Conference in Restoration and Protection of the Environment Patra's University, August, 1994 (pages 359-367).
 120. K. Vogiatzis, F. Chonianaki, I. Panagopoulos, Th. Karagiannis, N. Markatos, D. Gatsos, Th. Zervos, Airplane noise: effect on the quality of acoustic environment in the vicinity of airports - case studies, International Conference in Restoration and Protection of the Environment Patra's University, August, 1994 (pages 417-425).
 121. K. Vogiatzis, K. Psychas, N. Theofilopoulos, G. Kotsakas, M. Anastasakis, Antinoise Barrier in Nea Philadelphia - one of the first implementations of protection from road traffic noise in Greece, Conference Proceedings SES 4-5/5/1993, Transportation and Environment, 1993, (pages 218-227).
 122. K. Vogiatzis, D. Gatsos, G. Nellas, K. Psychas, Road Traffic Noise in 5 Greek Urban centers (Heraclion, Ioannika, Larissa, Patra, Piraeus), Conference Proceedings SES 4-5/5/1993, Transportation and Environment, 1993, (pages 229-238).
 123. C. Vogiatzis, K. Psychas, Traffic noise monitoring & evaluation in large & medium urban areas in Greece, Συνέδριο INTER NOISE 93 : People versus noise, LEUVEN, Belgium 24-26 August.
 124. C. Vogiatzis, K. Psychas, M. Vallet, Social Noise Survey in The Holiday-City of Rhodes, Noise and Man'93 (Sixth International Congress) Noise as a Public Health Problem, vol.2, pp.615-618 INRETS Nice France 5-9 Juillet 1993 indexed in An Updated Catalog of 521 Social Surveys of Residents'Reactions to Environmental Noise (1943-2000), NASA/CR-2001-211257.
 125. C. Vogiatzis, K. Psychas, Regulations and Standards against noise from road traffic and entertainment in urban areas of Greece, Noise and Man'93 (Sixth International Congress) Noise as a Public Health Problem, vol.1, pp.68 INRETS Nice France 5-9 Juillet 1993.
 126. C. Vogiatzis, K. Psychas, J. Simantonis, Project composition on urban traffic Noise Monitoring and control in Athens. Il Rumore Urbano et il governo del territorio., March 1988, Comune di Modena & USL di Modena, Italy, (pages 303-311).
 127. K. Vogiatzis, K. Psychas, Variation in traffic noise levels in selected areas of urban and suburban road network of Attiki, 8th Annual Scientific «AKOYSTIKI 86» 7-9 November 1986, Proceedings. Introduction No17 Athens, (26 pages).

Editorials:

1. K. Vogiatzis, The ICSV23 - From Ancient to Modern Acoustics, International Journal of Acoustics and Vibration, Vol. 21, No2, 2016, p. 136, <http://dx.doi.org/10.20855/ijav.2016.21.1E80>.
2. P. Kassomenos, K. Vogiatzis, G. Kouroussis, Special Issue on Impact on the urban environment and the quality of life from the construction and operation of LRT (Light Rapid Transit) systems, Science of the Total Environment 568(2016), p. 1275, 10/2016, ISSN0048-9697, <https://doi.org/10.1016/j.scitotenv.2016.06.246>.

3. G. Kouroussis, D. Waddington & K. Vogiatzis, "Preface to special issue on "Railway-induced ground vibration and noise", International Journal of Rail Transportation, Sept. 2015
<http://dx.doi.org/10.1080/23248378.2015.1086503>.
4. P. Kassomenos, K. Vogiatzis, & L. Bento Coelho "Critical Issues on environmental Noise: Editorial", STOTEN, Science of the Total Environment 482-483 (2014), 399,
<http://dx.doi.org/10.1016/j.scitotenv.2014.02.108>.

Papers in Workshops, Conferences & Seminars:

1. K. Vogiatzis, Implementation of the 2002/49/EC Directive at Airports in EU countries aiming the implementation of noise monitoring systems and operation changed in order to reduce noise pollution, Workshop on EU regulations concerning noise - related restrictions at airports and operation of aeroplanes, 3 Oct. 2014, προσκεκλημένος Ομιλητής Belgrade.
2. K. Vogiatzis, Strategic Noise Mapping of environmental Noise for the urban agglomerations of Larissa and Volos, Results and perspectives, Meeting: Evaluation of environmental noise in the framework of the implementation of 2002/49/EC for the urban agglomerations of Larissa and Volos, Amphitheater Saratsi, Alex. Delmouzos Building, University of Thessaly 26/6/2013.
3. K. Vogiatzis, The impacts of new financial data in transportations and urban environment, Meeting SES: Transportation in times of economic difficulties, Amphitheater TEE, 6/2/2013, Athens.
4. K. Vogiatzis, The Strategic Noise Mapping (SNM) and Action Plans in great urban areas: The 2002/49/EC and the new «Common Noise Assessment Method CNOSSOS-EU», 1st Greek National Conference of Urban Sustainable Mobility, Volos 14 December 2012.
5. K. Vogiatzis, St. Kephelopoulou, "The CNOSSOS - EU (phase A) & the latest outcomes of the noise regulatory committee & noise expert group" Meeting of the CEDR Project Group Road Noise, 4-5 October 2012, Brussels, Belgium.
6. K. Vogiatzis, M. Paviotti, "Noise and Annoyance standards for motorcycles in the urban environment" City Hush First Dissemination Seminar "Reducing Transport Noise in Cities" Wednesday 23 November 2011, Club of the University Foundation, rue d' Egmont 11 - 1000 Brussels.
7. K. Vogiatzis, Noise Measurements and noise levels in Greece, Meeting «Urban noise and its impacts in health», Medical Association of Athens - Ecocity, Athens 12 May 2010.
8. K. Vogiatzis, Traffic Noise: Basic parameter of environmental planning in SE countries of EU. Seminar Series «The Engineer in Community», University of Cyprus, 5 March 2007.
9. K. Vogiatzis, A. Katsouridis, Environmental impacts from the construction and operation of the Athens Tram: Management, licensing, dealing, «Workshop for Contemporary Tram Volos, 23-24 June 2005.
10. C. Vogiatzis, Improved Methods for the Assessment of the Generic Impact of Noise in the Environment, South Europe Workshop on IMAGINE project, Pisa Italy, 19th November 2004.
11. C. Vogiatzis, Traffic Noise Monitoring Networks in Greece: The case studies of Athens (Attiki Odos ring road) & Veria, Symposium: Urban noise monitoring facilities - Observatoires métrologiques de bruit urbain, Lyon 4 Octobre 2004.
12. C. Vogiatzis, Acoustic Maps and Urban Planning, Contaminacion Acustica en las ciudades, Madrid 22-23-24 de Abril 2002.
13. C. Vogiatzis, K. Psichas, s. Chaikali, Environmental Noise as a Design Parameter in Urban Tourist Areas in Greece, A Social, Technical & Legal Approach, National Noise Council, Noise in Europe, Paris 12-13, December 2000.
14. C. Vogiatzis, L'analyse et la gestion de l' environnement sonore dans les centres urbains de Grece, Meeting of experts on acoustic pollution, AYUNTAMIENTO de MADRID 10-12 November, 1999, (pages 11).
15. K. Vogiatzis, The traffic noise map of the city center of Volos, TEE Workshop, Volos, May 1990.
16. C. Vogiatzis, Le bruit du a la circulation routiere dans les centres urbaines de Grece, Villeme Symposium, BRUIT ET VIBRATIONS La Rochelle Máιος 1990, (16 pages).
17. K C. Vogiatzis, K. Psichas, Traffic noise maps in Greek cities: Acoustic measuremnet & evaluation - Ruido en las grandes ciudades, International Conference Madrid, 23-25 April 1991, (pages 23-26).
18. C. Vogiatzis, Le bruit du a la circulation routiere au centre d' Athenes et aux quartiers peripheriques, Conference Proccedings I JORNADAS SOBRE RUIDO AMBIENTAL, March 1990.
19. K. Vogiatzis, K. Psychas, I. Frantzeskakis, Protection Measures from road traffic noise, in Protomagia Square, Conference proceeding of SES Meeting 11-12/12/1989: Traffic in the centre of Athens, Athens 1989, (pages 257-271).
20. K. Vogiatzis, Prediction model for traffic noise variance on urban road network in the framework of Environmental Impact Studies. Announcement during the Conference organized by the TEE, themed "Traffic regulations in Greek cities after EPA, Athens, January 1988.

21. C. Vogiatzis, A. Parapanisios K. Psichas, The impact of road traffic on the environment in greater Athens: Official greek participation in "Conference Health in towns", Strasbourg, France, 3-5 December 1985 (Conseil de l'Europe directorate of the Environment and local authorities urban renaissance in Europe study series 31 - pages 77-99).
22. K. Vogiatzis, Correlation of traffic and air pollution by CO in Athens Urban Road Network: The case of Ioanni Drosopoulou str. Announcement during the Conference organized by the TEE, themed "Traffic regulations in Greek cities after EPA, Athens, January 1988 (22 pages).

Papers in International & Greek issues / editions & reports in scientific events - conferences:

1. K. Vogiatzis, Environmental Traffic Noise and the implementation of 2002/49/EC in Greece, Honor Volume for Prof. G. Gianopoulos, Transport Engineering Laboratory of the Aristotle University of Thessaloniki, Thessaloniki, 2012 (pages 67-80).
2. K. Vogiatzis, Environmental Traffic Noise and the Methodology evaluation framework according to 2002/49/EC and the "CNOSSOS- EU"«, Newsletter of SES, Volume 177, July - August 2011.
3. K. Vogiatzis, «Ground borne noise and vibration of STRL Systems Criterial - Propagations and Protection Measures», Newsletter of SES, Volume 176, April - June 2011
4. K. Vogiatzis, K. Psichas, N, Environmental Traffic Noise in the suburban network and general protection antinoise measures, National Road Construction Fund Ταμείο 3rd Year, Greek Motorways, Volume 8-9, Athens 1987, (pages 49-56).
5. K. Vogiatzis, Traffic Model - Part I - The genesis of movements, Information Publications in Scientific Issues, NTUA, Vol. 3, Athens 1981, (16 pages).
6. K. Vogiatzis, Basic principals for the forming of parking spaces in urban road networks, Information, Publications in Scientific Issues, NTUA, Vol. 7, Athens 1981.
7. K. Vogiatzis, The street in urban areas, Information Publications in Scientific Issues, NTUA, Vol. 8, Athens 1981, (16 22 pages).
8. K. Vogiatzis, Calculation of Min Ry in road design based on the required sight distance, Information Publications in Scientific Issues, NTUA, Vol. 2, Athens 1981, (16 pages).
9. K. Vogiatzis, Environmental pollution from traffic, Information Publications in Scientific Issues, NTUA, Vol. 12 Athens 1981.
10. Lambrou G., K. Psichas, E. Trohidou and K. Vogiatzis 'Traffic noise map of Thessaloniki', Organization for the Master Plan and Environmental Protection of Thessaloniki, Greece, 1989.
11. K. Vogiatzis, K. Psichas, Transport Research Laboratory, Garcia B.B.M, Kilde Akustiki, Study related to the preparation of a communication on a Future ec Noise Policy LEN Report 9420, INRETS, Lyon, October 1994, (143 pages).
12. K. Vogiatzis, New Techniques in road construction, COLLOQUE Ecole Nationale des Ponts et Chaussees, Technika Chronika, Athens, Volume (6) 3, July - September 1986, (pages 259-261).
13. K. Vogiatzis, A. Parapanisios, K. Psychas, Health in Towns, Technika Chronika, Athens, Volume (6) 4, October- December 1986, (pages 245-248).
14. K. Vogiatzis, K. Psychas, Urban noise and spatial planning, Technika Chronika, Athens, Volume (9) 3, July - September 1989, (pages 215-216).
15. K. Vogiatzis, A. Trochidis, 8o Symposiun FASE «Environmental Acoustics» Technika Chronika, Athens, Volume (9) 4, October - December 1989, (pages 313-314).

University Press Notes:

1. K. Vogiatzis, Notes of the course «Environmental Engineering», 4th spring semester 2010, pages 57.
2. K. Vogiatzis, Notes of the course «Environmental Impacts and Environmental Management of Road Transportation Projects», 10th spring semester 2003-2004 (1st edition) & 8th Spring Semester εξάμηνο 2007 (2nd edition), pages 222.
3. K. Vogiatzis, Notes of the course «Public Transport», 7th winter semester 2003-2004, pages 89.

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