

KONSTANTINOS E. VOGIATZIS



**Professor - Department of Civil Engineering
Head, Laboratory of Transportation Environmental Acoustics (L.T.E.A)**

Undergraduate Courses:

- Environmental Techniques (4th semester)
- Environmental Impact Assessment for Transportation Projects (8th semester)
- Urban Transportation Systems (7th semester)

Graduate courses:

A. Interdepartmental Postgraduate Program «Project Management, Transport and Spatial Planning»: 2015 to today

- Modern Techniques for Environmental Impact Assessment of Transport Projects in Urban and Semi-Urban Environment

B. Postgraduate Study Program «Simulation and Design of Civil Engineering Projects» (former title «Applied Mechanics & Simulation of Systems»): 2010-2014

- Environmental acoustics and Air pollution management for transportation networks infrastructure operation
- Design & Management of Mass Transit Systems
- Experimental Methods and Metrology for airborne noise, ground borne noise and vibration

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Education:

1. Rural and Surveying Engineering, National Technical University of Athens (U.N.T.A.) July 1977.
2. Civil Engineering (Transportation planning), National Technical University of Athens (U.N.T.A.) Dec. 1980.
3. «Urban and Rural Planning», Diplôme de Formation Interdisciplinaire en Aménagement et en Urbanisme (D.F.I.A.U.) Centre of Research in Urban Planning of Paris, November 1980.
4. PhD. in REGIONAL ANALYSIS AND RURAL PLANNING (Doctorat en Analyse Régionale et Aménagement du Territoire) OPTION: REGIONAL PLANNING. Université de Paris 1 PANTHEON-SORBONNE, January 1981.

Professional Organizations Membership:

- Technical Chamber of Greece (T.E.E.).
- HELINA (Hellenic Institute of Acoustics).
- f. General Secretary of Hellenic Acoustical Society.
- Hellenic Institute of Transportation Engineers - President of the Environmental Committee.
- Association of Rural & Surveying Engineers of Greece.
- Association of Civil Engineers of Greece.

Editorial & Director Board Member:

- Director MoB International Institute of Acoustics and Vibration - IIAV and Associate Editor - International Journal of Acoustics and Vibration - IJAV.
- Guest Editor on the "Special Issue on Impact on the urban environment and the quality of life from the construction and operation of LRT (Light Rapid Transit) systems", International Journal "Science of the Total Environment (STOTEN)" Elsevier Publications.
- Guest Editor on the "Science of the Total Environment (STOTEN)" Elsevier Publications, "Special Issue: Critical Issues in Environmental Noise.
- Editorial Board: NOISE MAPPING.
- Editorial Board: The Open Transportation Journal.
- Guest Editor: International Journal of Rail Transportation.

Technical Committees Membership:

- Organizer in EURONOISE 2018, Heraklion, Crete Greece, 27-31 May 2018 in Topic 15 - Noise mapping / Session 15.1 - Strategic Environmental Noise Mapping for Urban Agglomerations and Airports and in Topic 16 - Railway noise Session 16.1 - Rail Traffic Noise and Vibration.
- Chair of the 24th International Congress on Sound and Vibration, ICSV24, 23-27 July 2017, London, Theme Area T10: Road and Rail Traffic Noise and Vibration.

- General Chair of the 23rd International Congress on Sound and Vibration, ICSV23, 10-14 July 2016, Athens.
- National Representative: Regulatory Noise Committee & Noise Committee Experts) on common noise assessment methods (CNOSSOS-EU), (article 6-2 of D. 2002/49/EC).
- National Representative : CNOSSOS-EU Technical Committee: Member of WG 1: Quality Framework for determining: (a) geographical and exposure and risk assessment based scoping of strategic noise mapping; (b) availability and methods for collecting and checking input data and (c) accuracy of the overall assessment -WG2 Assessment component for Road Traffic Noise & WG 10 : Harmonized strategy for assigning noise levels in buildings.
- Member of the Working Group on Road Traffic Noise WG 8, European Commission - Enterprise Directorate- General.
- National Representative: «Cost Office Action TU 901»: Transport and Urban Development- Integrating and Harmonizing Sound Insulation Aspects in Sustainable Urban Housing Constructions. Member of WG2: Subjective evaluation of sound insulation - Laboratory tests and harmonized field surveys.
- Reviewer of International & National Journals: Journal of Wind Engineering & Industrial Aerodynamics, Science of the total Environment (STOTEN), Soil Dynamics and Earthquake Engineering, Vehicle System Dynamics, Transport Policy, International Journal of Acoustics and Vibration (IJAV), Journal of Environmental Management, Shock and Vibration ECON3, ECONOMY-ECOLOGY-CONSTRUCTION, Techika Chronika, κλπ.
- Consultant in Ministry of Environment in France - Programs GEUS I & II (Gestion d' Environnement Urbain Sonore).
- National Representative: Invitational Conference on the EU's Future Noise Policy, Copenhagen, 7-8 September 1998.

Research Interests:

The most important research interests focus on the protection of the urban acoustic environment, transportation noise, with emphasis on air borne & ground borne noise & vibrations. Important interest is also given in the mass urban transportation networks i.e. Metro, Tram & High Speed Trains, as well as airport operation, urban and semi-urban road transportation infrastructure focusing on the integrated environmental & land use planning management.

Selected Research Projects:

A. University of Thessaly

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. Research Program: "Annual Monitoring of Road Traffic Noise from the operation of PATHE - E65 Motorway Road, Skarfia - Raches", E.E. 5090, University of Thessaly - Department of Civil Engineering, Odos Kentrikis Ellados SA, 07/2015.

10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. Research Project: “Ευρωπαϊκό Πρόγραμμα Quiet Tracks for Sustainable Railway Infrastructures (Quiet Track) του Seventh Framework Programme”, E.E. 4814, University of Thessaly - Dept of Civil Engineering, TT&E Consultants SA 2014.
16. Research Project: “Investigating Impact acoustic environment of the project «Reconstruction of downtown Athens center on Panepistimiou Street» Ground borne Noise & Vibration from the operation of the Athens Tram”, E.E. 4685, University of Thessaly - Dept of Civil Engineering, ENVECO SA 2013.
17. 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.
18. Research Project: “Aircraft Noise Strategic Noise Map 2011, Athens International Airport”, E.E. 4471, University of Thessaly - Dept of Civil Engineering, AIA SA 2012.
19. 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.
20. 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.
21. 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.
22. Research Project: “Annual Monitoring of Road Traffic Noise and air pollution from the operation of PATHE Motorway: Section Metamorphosi - Skaarfia”, E.E 4197, University of Thessaly - Dept of Civil Engineering, NEA ODOS SA 2010-2015.
23. 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.
24. E 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.
25. 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.
26. Research Project: “Recording of the Environmental Noise Level from the operation of the Attiko Metro SA trains in Cholargos shaft - Investigation of possible exceedances 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.
27. 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.

28. 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.
 29. 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.
 30. 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.
 31. 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.
 32. 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.
 33. 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.
 34. 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.
 35. 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.
 36. 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.
 37. 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, PARVALOS MARINOS GROUP AE, 09/2004.
 38. 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.
 39. 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.
 40. 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.
 41. 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.
 42. 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.
 43. 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.
 44. 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.
- B. European Projects**
1. Quiet Track - Quiet Tracks for Sustainable Railway Infrastructures, E.E. 2013-2016
 2. CITYHUSH - Acoustically Green Road Vehicles and City Areas, EE 2009-2012
 3. EC RESEARCH PROJECT Quiet City QCITY Contract No TIP4-CT2005-516420, 2005-2009

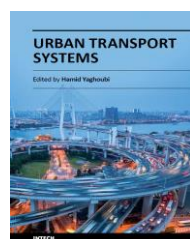
4. ENVIRONMENTAL NOISE PROGRAMMES : TWINNING LIGHT CONTRACT : TRANSITION FACILITY - PROGRAMME FOR MALTA : EE- EYP.Κ.Δ.Δ.: 2005 - 2006 - Twinning Number:MT04-IB-EN-05: “Training of Health Inspectors on the investigation procedures of Domestic Residential Noise and on the use of Noise Monitoring Equipment”
- C. Other Institutes**
1. European Research Programme “Enhanced Driver Safety due improved Skid Resistance” SKIDSAFE 63/1741), NTUA, E.E, 2010-2012
 2. Program of Applications for Combating Noise in Tourist Areas Research Program - NTUA - Department of Civil Engineering, ΥΠΕΧΩΔΕ 1999-2000
 3. Special Study for Environmental Impact Assessment in the CARETTA - CARETTA Sea Turtle with an emphasis on the effect of Air Noise in the Bay of Laganas (Zakynthos) - Research Program for the Monitoring of Environmental Acoustics University of Athens, ΥΠΑ 2000
 4. 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 projet Dr. Ing. K. Vogiatzis (110 σελ.)
 5. Research Programme: GEUS 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), Modène (I), Saragosse (E), Rhodes (GR). Ερευνητικό πρόγραμμα GEUS Ministry of the Environment of France (SRETIE) 1992, Coordinateur du projet Dr. Ing. C. Vogiatzis (235 pages).
 6. Atmospheric pollution from road traffic - The case of Ioannis Drosopoulou Str., Research program funded by the Research Council of the NTUA. Athens, K. Vogiatzis, September 1981.
 7. The Dycicle in the Urban Environment, a research program funded by the Research Council of the NTUA, Athens, K. Vogiatzis, September 1981.

Awards:

1. «Outstanding Reviewing Certificate» Int. Journal STOTEN, 2017.
2. «Outstanding Reviewing Certificate» SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, 2017.
3. «Best Paper Award» for the paper entitled: A hybrid numerical - experimental assessment of railway ground vibration in urban area, ICRT, 2017.
4. «Outstanding Reviewing Certificate» Int. Journal STOTEN, 2015.
5. «UNA TANTUM” AWARD» -2012, of the journal «INGEGNERIA FERROVIARIA».
6. «ACADEMIC & SCIENTIFIC EXCELLENCE» Ministry of Education 2012.
7. ECOCITY «Environmental Sensitivity Award» «ECOPOLIS 2008».
8. ECOCITY «Environmental Project Award» «ECOPOLIS 2006» with TRAM S.A.
9. 3o PREMIO - 3rd PRIZE - 2008, of the journal: INGEGNERIA FERROVIARIA.
10. 11th Concours Decibel D’ or 2003 - Ville et Transports, with ATTIKI ODOS S.A.

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**” Papatotiriou 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).

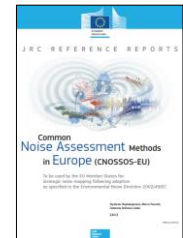


5. K. Vogiatzis, **Common Noise Assessment Methods in Europe, (Cnossos - EU)**, To be used by the EU Member States for strategic noise mapping following adoption as specified in the Environmental Noise Directive 2002/49/EC, *JRC (Joint Research Centre) Reference Reports*, 2012, ISBN 978-92-79-25281-5 (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).

Selected Publications in International & Greek Scientific Journals:

1. 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), 15 Oct. 2018, 1360-1380, (SCOPUS) <http://dx.doi.org/10.1016/j.scitotenv.2018.05.143>.
2. K. Vogiatzis, N. Remy, **"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"**, *Environments*, 2018, 5(6), 64; <https://doi.org/10.3390/environments5060064>.
3. 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>
4. 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>
5. 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>
6. 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>
7. 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>
8. 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>
9. 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>
 10. 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>
 11. 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>
 12. 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>
 13. 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>
 14. 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>
 15. 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>
 16. 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>
 17. 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>
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