

KONSTANTINOS E. VOGIATZIS



Associate Professor
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:

- 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:

- IIAV (International Institute of Acoustics and Vibration) - Director MOB
- 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

Technical Committees Membership:

- 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
- Member Editorial Advisory Board for the International Journal Noise Mapping (DE GRUYTER OPEN)
- Member Editorial Advisory Board for the International Journal of Acoustics and Vibration (IJAV)
- Guest-Editor "Special Issue on Impact on the urban environment and the quality of life from the construction and operation of LRT (Light Rapid Transit) systems" for the International Journal "Science of the Total Environment" (ELSEVIER)
- 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 : Science of the total Environment (STOTEN), Applied Acoustics International Journal of Acoustics and Vibration (IJAV), Vehicle System Dynamics, Journal of Environmental Management, Shock and Vibration ECON3, ECONOMY-ECOLOGY-CONSTRUCTION, κλπ.

- Technika Chronika, etc.
- 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:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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
7. 7th Framework program: QUIET-TRACK Quiet Tracks for Sustainable Railway Infrastructures (www.quiet-track.eu) FP7-SST-2013-RTD-1 project, under activity code SST.2013.1-1.: Railway infrastructure optimization and monitoring for further noise reduction. (start June 2013 - 36 months).
8. Research Project: «Aircraft Noise Strategic Noise Map 2011, Athens International Airport», E.E. 4471, University of Thessaly - Dept of Civil Engineering, AIA SA 2012.
9. European Research Project: "Enhanced Driver Safety due improved Skid Resistance" SKIDSAFE 63/1741), NTUA, E.E, 2010-2012
10. 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.
11. 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.
12. 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
13. 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.
14. Research Project: "Noise monitoring program from the operation of PATHE Motorway, Section Maliakos - Klidi" E.E 4171, University of Thessaly - Dept of Civil Engineering, AEGEAN Motorway SA. 2010-2019.
15. 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,
16. 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,
17. 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.
 18. 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.
 19. 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.
 20. 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.
 21. EC RESEARCH PROJECT CITYHUSH - Acoustically Green Road Vehicles and City Areas, 2009-2012
 22. EC RESEARCH PROJECT Quiet City QCITY Contract No TIP4-CT2005-516420, 2005-2009

Awards

- «UNA TANTUM” AWARD» -2012, of the journal «INGEGNERIA FERROVIARIA»,
- «ACADEMIC & SCIENTIFIC EXCELLENCE» Ministry of Education 2012,
- ECOCITY "Environmental Sensitivity Award" «ECOPOLIS 2008»,
- ECOCITY "Environmental Project Award" «ECOPOLIS 2006» with TRAM S.A.,
- 3° PREMIO - 3rd PRIZE - 2008, of the journal : INGEGNERIA FERROVIARIA,
- 11th Concours Decibel D’ or 2003 - Ville et Transports, with ATTIKI ODOS S.A.

Books / Chapters / Committee reports

- K. Vogiatzis, “**Environmental Engineering & Institutional Framework for Implementation**”, 3rd Edition, Symmetria, Publications, 2014.
- K. Vogiatzis, S. Chaikali, A. Chatzopoulou “**Protection of the Greek Noise Landscape - Institutional Framework of the Environmental Noise**” Papisotiriou Publications, 2009.
- K. Vogiatzis and G. Kouroussis, **Airborne and ground borne noise and vibrations from urban rail transit systems**, INTECH, “Urban Transport Systems”, 25 pages, ISBN 978-953-51-4939-2, DOI: 10.5772/66571
- 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
 - 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



SELECTED PUBLICATIONS IN INTERNATIONAL SCIENTIFIC JOURNALS

1. K. Vogiatzis, H. Mouzakis, Ground borne noise and Vibration transmitted from subway networks to multi-storey reinforced concrete buildings, under publication, ID STRA-2016-0133, Transport, Taylor & Francis on line, Dec 2016.
2. K. Vogiatzis, N. Remy, Soundscape design guidelines through noise mapping methodologies: An application to medium urban agglomerations, under publication, NOISE-D-16-00005, De Gruyter Editions / Noise Mapping Journal: Special issue on Recent Advances on Soundscape Research, Nov. 2016.
3. Georges Kouroussis, Harris P. Mouzakis, Konstantinos E. Vogiatzis “Structural impact response for accessing railway vibration induced on buildings sur les structures” 5ème colloque “Analyse Vibratoire Expérimentale” Blois, 15 - 17 Novembre 2016.
4. 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.
5. G. Kouroussis, D. Waddington & K. Vogiatzis, Preface to special issue on “Railway-induced ground vibration and noise, International Journal of Rail Transportation, Sept. 2015, Taylor & Francis Group. Vol. 3, No 4, 179-179 <http://dx.doi.org/10.1080/23248378.2015.1086503>.

6. 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).
7. 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, <http://dx.doi.org/10.1080/23248378.2015.1076622>.
8. 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, <http://dx.doi.org/10.1080/00423114.2015.1062116>.
9. 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, <http://dx.doi.org/10.1155/2015/142807>.
10. Vogiatzis K, Vanhonnacker P. "Noise reduction in urban LRT networks by combining track based solutions" *Science of the Total Environment*. 2016;568:1344-1354, doi:10.1016/j.scitotenv.2015.05.060.
11. 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, published by ELSEVIER <http://dx.doi.org/10.1016/j.trd.2015.06.001>.
12. K. Vogiatzis, P. Kopelias, "Benefits and Limitations towards a sustainable road environment during the years of economic recession", WIT PRESS, Accepted Revisions Being Processed, 2015, *Int. J. Sus. Dev. Plann.* Vol. 10, No. 5 (2015) 701-712.
13. Konstantinos Vogiatzis and Nicolas Remy, "Strategic Noise Mapping of Herakleion: The Aircraft Noise Impact as a factor of the Int. Airport relocation" *Noise Mapping*. 2014; 1:15-30, DE GRUYTER OPEN.
14. 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) 37-46, <http://dx.doi.org/10.1016/j.apacoust.2014.02.019> (SCOPUS).
15. 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,
16. K. E. Vogiatzis, N. Remy "From Environmental noise abatement to soundscape creation through strategic noise mapping in medium urban agglomeration in South Europe", *Science of Total Environment (STOTEN)* 482-483 (2014) 420-431, <http://dx.doi.org/10.1016/j.scitotenv.2013.07.098>,
17. 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,
18. 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)
19. 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)
20. K. E. Vogiatzis, "Environmental ground borne noise and vibration protection of sensitive cultural receptors along the Athens Metro Extension to Piraeus", *Science of the Total Environment* 439 , pp. 230-237, 2012.
21. K. E. Vogiatzis, M. Paviotti "On the outdoor annoyance from scooter and motorbike noise in the urban environment", *Science of the Total Environment* 430 , pp. 223-230, 2012.
22. 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 Vibrations* 17 (2) , pp. 59-72, 2012.
23. Dott. Ing. Patrick CARELS, Dot. Ing. Koen Ophalffens & Prof. Ing. Konstantinos 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)
24. 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)
25. 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: Academic Search Complete - EBSCO Information Services, Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26)
26. N. Eliou, K. E. Vogiatzis, F. Kehagia "Tired Driver's Behaviour 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: Academic Search Complete - EBSCO Information Services, Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26)
 27. 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, WIT PRESS, article SDP319 Under publication Dec. 2012.
 28. 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)
 29. K. E. Vogiatzis, "Strategic Environmental Noise Mapping & Action Plans in Athens Ring Road (ATTIKI ODOS) - GREECE", WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT, article 54-290, Under publication Jan 2013.
 30. 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. 1 March 2011, pages 255-264.
 31. K. E. Vogiatzis, N. Katsianis, N. Eliou, E. Iliadou, "Effect of driver's roadway familiarity on risk perception & driving behavior", International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 1 March 2011, pages 60-65,
 32. Prof. Konstantinos 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.
 33. Prof. Konstantinos 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.
 34. 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
 35. Prof. Konstantinos 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.
 36. Prof. Konstantinos VOGIATZIS, Dr. Patrick VANHONACKER, Patrick CARELS, Quiet tram track "infrastructure solutions at Athens Tramway network for squealing noise attenuation, ICASTOR Journal of Engineering, Vol. 2, No. 3(3) (2009), Indian Centre for Advanced Scientific and Technological Research
 37. Prof. Konstantinos VOGIATZIS, "Vibration & Ground borne Noise Mitigation Measures at Athens Tramway, The PREFARAIL-COMFORT[□] embedded track & CDM-DFMA-L10[□] Floating slab-track vibration isolation solution", ICASTOR Journal of Engineering, Vol. 2, No. 3(2) (2009), Indian Centre for Advanced Scientific and Technological Research.
 38. Prof. Konstantinos VOGIATZIS, Dr. Patrick VANHONACKER, Noise & Vibration Evaluation of a Floating Slab in Direct Fixation Turnouts in Stavros extension of Athens METRO, ICASTOR Journal of Engineering, Vol. 2, No.3(2) (2009), Indian Centre for Advanced Scientific and Technological Research
 39. Prof. Ing. Konstantinos VOGIATZIS, Dott. Ing. Patrick CARELS, The modern tram in great Athens (Olympic Games 2004), INGEGNERIA FERROVIARIA, 11/2008, (p. 943-954)-3PREMIO - 3rd PRIZE - 2008.
 40. 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, 01/2008 (Publications of Civil Eng. 3723).
 41. K. Vogiatzis "LOW & MEDIUM HEIGHT NOISE BARRIER'S IMPLEMENTATION AT ATHENS TRAMWAY FOR TRANSPORTATION NOISE ABATEMENT" Technica Chronika 12/2006 (Publications of Civil Eng. 3727), Indexed in Scientific References COSMOS.
 42. K. Vogiatzis "INVESTIGATION OF GROUND BORNE NOISE AND VIBRATION FROM THE ATHENS TRAMWAY OPERATION FLOATING SLAB & ELASTIC ENCAPSULATION OF RAIL AT : «KASSOMOULI», «GOUVELI», «STROGGONOF» & «PANAGITSA» AREAS" Technica Chronika 9/2006 (Publications of Civil Eng. 3724)
 43. K. Vogiatzis, N. Eliou, "EVALUATION OF AIR POLLUTANTS EMISSIONS AND TRAFFIC NOISE FLUCTUATION IN THE CABINS OF TOLLS OF ATTIKI ODOS", Technica Chronika 7/2006 (Publications of Civil Eng. 3726)
 44. N. Eliou, K. Vogiatzis, F. Kehagia, "Evaluation of noise levels in urban environment in Greece",

- WSEAS-International Journal of Sustainable Development and Planning, Issue 8, V.2, pp 1065-1071, 2006.
45. Prof. K. 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, (pages 15-19)
 46. Prof. K. 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 et Techniques, (pages 59-66) - Ref.doc.fr (INIST-CNRS)
 47. 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).
 48. K. 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, (pages 41-49),Ref.doc.fr (INIST-CNRS).
 49. K. 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 (pages 43-45).
 50. K. Vogiatzis, Ch. 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).
 51. K. Vogiatzis, Ch. 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).
 52. K. 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 pages).
 53. K. 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, (pages 95-101).