

Curriculum Vitae

Personal information

Last name: **Mouchtouri**
First name: **Varvara**
Father name: Alexandros
Mother name: Irini
Date of birth: 1976
Nationality: Greek
Place of birth: Marousi Attika
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Qualifications

Master of Science

Public Health – Environment and Health
London School of Hygiene and Tropical Medicine – University of London
International Programmes
[2010 – 2012]

Doctor of Philosophy

Thesis: “The role of arthropods and rodents in the communicable diseases transmission on ships”
Department of Medicine
Laboratory of Hygiene and Epidemiology
University of Thessaly, Larissa
[2003 - 2008]
Degree: First class honors

Department of Public Hygiene

School of Health and Welfare Professions,
Technological Educational Institute of Athens
[1996 - 2001]

Professional experience

1. Department of Medicine, Laboratory of Hygiene and Epidemiology, University of Thessaly, Larissa

Manager in the European Joint Action SHIPSAN ACT “The impact on maritime transport of health threats due to biological, chemical and radiological agents, including communicable diseases”

Trainer in inspections of passenger ships in European ports in the framework of the SHIPSAN ACT Joint Action.

From 1/2/2013 – today

2. World Health Organization Headquarters, Global Capacities, Alert & Response, Support to IHR Capacity Development (SID), Ports, Airports and Ground Crossings, WHO Office in Lyon

Technical officer

From 18/10/2011 to 31/12/2012

3. Department of Medicine, Laboratory of Hygiene and Epidemiology, University of Thessaly, Larissa

Manager in the European project SHIPSAN TRAINET for the development of a training network for hygiene of passenger ships.

Trainer in inspections of passenger ships in European ports in the framework of the SHIPSAN TRAINET project.

From 1/12/2008 – October 2011

4. National School of Public Health, Athens

Manager in the European project SHIPSAN for assessing the usefulness of a European network for hygiene inspections and communicable disease surveillance of passenger ships. From 1/8/2007 to 1/12/2008

5. Health Protection Agency, Centre for Infections, Environmental and Enteric Diseases Department, London, United Kingdom

Researcher in the European project SHIPSAN for assessing the usefulness of a European network for hygiene inspections and communicable disease surveillance of passenger ships. From 1/11/2006 to 1/12/2007

6. Prefectural Department of Public Health, Corinthos

Public Health Inspector From 20-10-2004 to 29/5/2008

7. National School of Public Health, Athens

Project for the scientific support of the Hellenic Ministry of Health for the implementation of the Operational plan “2004 Olympic Games, Public health and hygiene”. Researcher – Public Health Inspector From 1-6-2002 to 30-9-2004.

8. National School of Public Health, Athens

Study for the implementation of axis 4 “Public Health and Hygiene”. Researcher – Public Health Inspector From 1-10-2001 to 31-5-2002

Consultations

1. Three Agreements of Performance for Work with World Health Organization Headquarters, Global Capacities, Alert & Response, Support to IHR Capacity Development (SID), Ports, Airports and Ground Crossings,

Training experience

1. EU SHIPSAN projects. Trainer/observer in inspections and face-to-face training courses.
2. Temporary Lecturer at the University of Thessaly, Faculty of Medicine, department of Hygiene and Epidemiology. 2010-2011.
3. Temporary Lecturer at the Technological Educational Institute of Athens,

2008 – 2010. Responsible lecturer for teaching: Disinfection-Sterilization, and Applied Entomology

4. University of Thessaly, Postgraduate course “Applied Public Health – Hygiene of food and water”, 3 lectures of three hours each for Standardized inspections and for water sampling in 2010, 2011.
5. National School of Public Health. Post graduate course “Applied Public Health” 3 hours lecture for International Health Regulations 2005.
6. National School of Public Health. Participation in 5 training modules in 2003 for hygiene inspection of cruise ships during the 2004 Olympic Games.

Publications

1: Mouchtouri VA, Nichols G. European Union SHIPSAN ACT joint action: preparedness for the response to Ebola virus disease in the maritime transport sector. *Euro Surveill*. 2015 Jan 8;20(1). pii: 20997. PubMed PMID: 25613654.

2: Pinaka O, Pournaras S, Mouchtouri V, Plakokefalos E, Katsiaflaka A, Kolokythopoulou F, Barboutsi E, Bitsolas N, Hadjichristodoulou C. Shiga toxin-producing *Escherichia coli* in Central Greece: prevalence and virulence genes of O157:H7 and non-O157 in animal feces, vegetables, and humans. *Eur J Clin Microbiol Infect Dis*. 2013 Nov;32(11):1401-8. doi: 10.1007/s10096-013-1889-6. Epub 2013 May 16. PubMed PMID: 23677425.

3: Hadjichristodoulou C, Mouchtouri VA, Guglielmetti P, Lemos CM, Nichols G, Paux T, Schlaich C, Cornejo MD, Martinez CV, Dionisio M, Rehm S, Jaremin B, Kremastinou J; SHIPSAN TRAINET partnership. Actions for prevention and control of health threats related to maritime transport in European Union. *Travel Med Infect Dis*. 2013 Jul-Aug;11(4):238-42. doi: 10.1016/j.tmaid.2013.02.001. Epub 2013 Mar 19. Review. PubMed PMID: 23518234.

4: Mouchtouri V, Malissiova E, Zisis P, Paparizou E, Hadjichristodoulou C. Assessment of hygiene standards and Hazard Analysis Critical Control Points implementation on passenger ships. *Int J Environ Health Res*. 2013;23(2):170-9. doi: 10.1080/09603123.2012.708920. Epub 2012 Aug 1. PubMed PMID: 22852776.

5: Papastergiou P, Mouchtouri V, Pinaka O, Katsiaflaka A, Rachiotis G, Hadjichristodoulou C. Elevated bathing-associated disease risks despite certified water quality: a cohort study. *Int J Environ Res Public Health*. 2012 May;9(5):1548-65. doi: 10.3390/ijerph9051548. Epub 2012 Apr 25. PubMed PMID: 22754456; PubMed Central PMCID: PMC3386571.

6: Hardiman MC; World Health Organization Department of Global Capacities, Alert and Response. World health organization perspective on implementation of International Health Regulations. *Emerg Infect Dis*. 2012 Jul;18(7):1041-6. doi: 10.3201/eid1807.120395. Review. PubMed PMID: 22709544; PubMed Central PMCID: PMC3376823.

7: Mouchtouri VA, Bartlett CL, Diskin A, Hadjichristodoulou C. Water Safety Plan on cruise ships: a promising tool to prevent waterborne diseases. *Sci Total Environ*. 2012 Jul 1;429:199-205. doi: 10.1016/j.scitotenv.2012.04.018. Epub 2012 May 17. PubMed PMID: 22608187.

8: Velonakis E, Karanika M, Mouchtouri V, Thanasias E, Katsiaflaka A, Vatopoulos A, Hadjichristodoulou C. Decreasing trend of Legionella isolation in a long-term microbial monitoring program in Greek hospitals. *Int J Environ Health Res*. 2012;22(3):197-209. doi: 10.1080/09603123.2011.628644. Epub 2011 Oct 24. PubMed PMID: 22017573.

9: Hadjichristodoulou C, Mouchtouri VA, Martinez CV, Nichols G, Riemer T, Rabinina J, Swan C, Pirnat N, Sokolova O, Kostara E, Rachiotis G, Meilicke R, Schlaich C, Bartlett CL, Kremastinou J, Partnership TS. Surveillance and control of communicable diseases related to passenger ships in Europe. *Int Marit Health*. 2011;62(2):138-47. PubMed PMID: 21910118.

10: Mouchtouri VA, Bartlett CL, Jaremin B, Nichols G, Paux T, Riemer T, Black N, Varela-Martinez C, Swaan CM, Schlaich C, Rachiotis G, Kremastinou J, Hadjichristodoulou C; SHIPSAN TRAINET project. The decision making process on public health measures related to passenger ships: the example of influenza

pandemic 2009. *Int Marit Health*. 2010;62(4):241-5. PubMed PMID: 21348018.

11: Papastergiou P, Mouchtouri VA, Rachiotis G, Pinaka O, Katsiaflaka A, Hadjichristodoulou C. Bather density as a predominant factor for health effects related to recreational bathing: results from the Greek bathers cohort study. *Mar Pollut Bull*. 2011 Mar;62(3):590-5. doi: 10.1016/j.marpolbul.2010.11.023. Epub 2010 Dec 22. PubMed PMID: 21183191.

12: Mouchtouri VA, Nichols G, Rachiotis G, Kremastinou J, Arvanitoyannis IS, Riemer T, Jaremin B, Hadjichristodoulou C; SHIPSAN partnership. State of the art: public health and passenger ships. *Int Marit Health*. 2010;61(2):49-98. Review. PubMed PMID: 21154293.

13: Arvanitoyannis IS, Hadjichristodoulou C, Tserkezou P, Mouchtouri V, Kremastinou J, Nichols G. EU legislation on food and potable water safety which could be potentially applied on board ferries and cruise ships: a comparison with US legislation. *Crit Rev Food Sci Nutr*. 2010 Jun;50(6):533-66. doi: 10.1080/10408390802437121. Review. PubMed PMID: 20544443.

14: Mouchtouri VA, Westacott S, Nichols G, Riemer T, Skipp M, Bartlett CL, Kremastinou J, Hadjichristodoulou C; SHIPSAN Partnership. Hygiene inspections on passenger ships in Europe - an overview. *BMC Public Health*. 2010 Mar 10;10:122. doi: 10.1186/1471-2458-10-122. PubMed PMID: 20219097; PubMed Central PMCID: PMC2847977.

15: Rachiotis G, Mouchtouri VA, Schlaich C, Riemer T, Martinez CV, Nichols G, Bartlett CL, Kremastinou J, Hadjichristodoulou C; SHIPSAN partnership**. Occupational health legislation and practices related to seafarers on passenger ships focused on communicable diseases: results from a European cross-sectional study (EU SHIPSAN PROJECT). *J Occup Med Toxicol*. 2010 Feb 10;5(1):1. doi: 10.1186/1745-6673-5-1. PubMed PMID: 20181140; PubMed Central PMCID: PMC2833162.

16: Rachiotis G, Mouchtouri VA, Kremastinou J, Gourgoulisanis K, Hadjichristodoulou C. Low acceptance of vaccination against the

- 2009 pandemic influenza A(H1N1) among healthcare workers in Greece. Euro Surveill. 2010 Feb 11;15(6). pii: 19486. PubMed PMID: 20158980.
- 17: Mouchtouri VA, Goutziana G, Kremastinou J, Hadjichristodoulou C. Legionella species colonization in cooling towers: risk factors and assessment of control measures. Am J Infect Control. 2010 Feb;38(1):50-5. doi: 10.1016/j.ajic.2009.04.285. Epub 2009 Aug 20. PubMed PMID: 19699013.
- 18: Papastergiou P, Mouchtouri V, Karanika M, Kostara E, Kolokythopoulou F, Mpitsolas N, Papaioannou A, Hadjichristodoulou C. Analysis of seawater microbiological quality data in Greece from 1997 to 2006: association of risk factors with bacterial indicators. J Water Health. 2009 Sep;7(3):514-26. doi: 10.2166/wh.2009.135. PubMed PMID: 19491502.
- 19: Mouchtouri V, Black N, Nichols G, Paux T, Riemer T, Rjabinina J, Schlaich C, Menel Lemos C, Kremastinou J, Hadjichristodoulou C; SHIPSAN TRAINET project. Preparedness for the prevention and control of influenza outbreaks on passenger ships in the EU: the SHIPSAN TRAINET project communication. Euro Surveill. 2009 May 28;14(21). pii: 19219. PubMed PMID: 19480810.
- 20: Goutziana G, Mouchtouri VA, Karanika M, Kavagias A, Stathakis NE, Gourgoulisanis K, Kremastinou J, Hadjichristodoulou C. Legionella species colonization of water distribution systems, pools and air conditioning systems in cruise ships and ferries. BMC Public Health. 2008 Nov 24;8:390. doi: 10.1186/1471-2458-8-390. PubMed PMID: 19025638; PubMed Central PMCID: PMC2605755.
- 21: Hadjichristodoulou C, Mouchtouri V, Varzakas T, Arvanitoyannis I, Kremastinou J. Standardized inspections of food premises during the 2004 Athens Olympic Games: descriptive analysis and risk factors for unsatisfactory results. J Food Prot. 2008 Aug;71(8):1632-40. PubMed PMID: 18724758.
- 22: Mouchtouri VA, Anagnostopoulou R, Samanidou-Voyadjoglou A, Theodoridou K, Hatzoglou C, Kremastinou J, Hadjichristodoulou C. Surveillance study of vector

species on board passenger ships, risk factors related to infestations. BMC Public Health. 2008 Mar 27;8:100. doi: 10.1186/1471-2458-8-100. PubMed PMID: 18371217; PubMed Central PMCID: PMC2359741.

23: Mouchtouri V, Velonakis E, Hadjichristodoulou C. Thermal disinfection of hotels, hospitals, and athletic venues hot water distribution systems contaminated by Legionella species. Am J Infect Control. 2007 Nov;35(9):623-7. PubMed PMID: 17980243.

24: Mouchtouri V, Velonakis E, Tsakalof A, Kapoula C, Goutziana G, Vatopoulos A, Kremastinou J, Hadjichristodoulou C. Risk factors for contamination of hotel water distribution systems by Legionella species. Appl Environ Microbiol. 2007 Mar;73(5):1489-92. Epub 2007 Jan 19. PubMed PMID: 17261527; PubMed Central PMCID: PMC1828777.

25: Hadjichristodoulou C, Mouchtouri V, Vaitisi V, Kapoula C, Voutsourelis A, Kalivitis I, Chervoni J, Papastergiou P, Vasilogiannakopoulos A, Daniilidis VD, Kremastinou J. Management of environmental health issues for the 2004 Athens Olympic Games: is enhanced integrated environmental health surveillance needed in every day routine operation? BMC Public Health. 2006 Dec 18;6:306. PubMed PMID: 17176469; PubMed Central PMCID: PMC1764887.

26: Hadjichristodoulou C, Mouchtouri V, Voutsourelis A, Konstantinidis A, Petrikos P, Velonakis E, Boufa P, Kremastinou J. Waterborne diseases prevention: evaluation of inspection scoring system for water sites according to water microbiological tests during the Athens 2004 pre-Olympic and Olympic period. J Epidemiol Community Health. 2006 Oct;60(10):829-35. PubMed PMID: 16973526; PubMed Central PMCID: PMC2566045.

27: Hadjichristodoulou Ch, Goutziana G, Mouchtouri V, Kapoula Ch, Konstantinidis A, Velonakis E, Vatopoulos A, Kremastinou J. Evaluation of standardized scored inspections for Legionnaires' disease prevention, during the Athens 2004 Olympics. Epidemiol Infect. 2006 Oct;134(5):1074-81. Epub 2006 Feb 28. PubMed PMID: 16650333; PubMed Central PMCID: PMC2870489.

28: Hadjichristodoulou C, Soteriades ES, Kolonia V, Falagas ME, Pantelopoulos E, Panagakos G, Mouchtouri V, Kremastinou J. Methodological aspects of a GIS-based environmental health inspection program used in the Athens 2004 Olympic and Para Olympic Games. BMC Public Health. 2005 Sep 2;5:93. PubMed PMID: 16138924; PubMed Central PMCID: PMC1232856.

29: Hadjichristodoulou C, Mouchtouri V, Soteriades ES, Vaitisi V, Kolonia V, Vasiliogiannacopoulos AP, Kremastinou J. Mass gathering preparedness: the experience of the Athens 2004 Olympic and Para-Olympic Games. J Environ Health. 2005 May;67(9):52-7. PubMed PMID: 15957323.

Other publications

1. "State of the Art Report: Assessing the usefulness of an EU Ship Sanitation Programme and Coordinated Action for the control of Communicable Diseases in Cruise Ships and Ferries". London. 2007.
2. "Environmental health surveillance and management of food and water safety" Chapter 7. C. Hadjichristodoulou, V.A. Mouchtouri, J. Kourea – Kremastinou. In: Mass Gathering and Public Health. The experience of the Athens 2004 Olympic Games. D. Tsouros and P.A. Efstathiou. Ministry of Health and Social Solidarity and World Health Organization. 2007.
3. Hellenic Vessel Sanitation Programme for floating hotels of the 2004 Olympic Games (National School of Public Health).
4. Guidelines for hygiene in swimming pools (National School of Public Health)
5. Guidelines for the prevention and control of legionellosis in water systems (National School of Public Health)
6. Guidelines for water sampling (National School of Public Health)
7. Guidelines for pest management on ships (National School of Public Health)

Research projects

1. Researcher at the Survey of the Hellenic Ministry of Health for *Legionella* spp colonisation of water systems of passenger ships, National School of Public Health, Athens, Greece.
2. Researcher at the Survey of the Hellenic Ministry of Health for the presences of pests of public health importance on passenger ships, National School of Public Health, Athens, Greece.

Posters in scientific conferences

- 4 Posters in conferences in Greece
- 1 abstract in EWGLI Conference.

Participation in national conferences in Greece

- 7 Lectures in conferences, workshops and meetings in Greece.

Thesis supervisor:

1. Hygiene inspections of ships in Greece for issuance of SSCs according to IHR 2005
2. Hygiene inspections of aircrafts in Greece according to IHR 2005
3. HACCP for food safety implementation in Greek ferries
4. Systematic review for water disinfection methods to eradicate *Legionella* spp.

Reviewer in scientific articles

1. Newsome AL, DuBois JD, Tenney JD. Disinfection of football protective equipment using chlorine dioxide produced by the ICA TriNova system. **BMC Public Health**. 2009 Sep 8;9:326.
2. Nilimesh Halder¹, Joel K Kelso¹, George J Milne^{1*}Analysis of the effectiveness of interventions used during the 2009 H1N1 influenza pandemic. **BMC Public Health**. Rejected.
3. Loncarevic G, Payne L, Kon P, Petrovic V, Dimitrijevic D, Knezevic T, Medić S, Milic N, Nedeljković J, Seke K, Coulombier D. Public health preparedness

for two mass gathering events in the context of pandemic influenza (H1N1) 2009--Serbia, July 2009. **Euro Surveill.** 2009 Aug 6;14(31).

4. Resurgence of bedbugs in South France: a local problem or the tip of the iceberg? **Journal of the European Academy of Dermatology and Venereology.** Accepted. To be published
5. Christian Napoli, Fabrizio Fasano, Roberta Iatta, Giovanna Barbuti, Teresa Cuna and Maria Teresa Montagna. Legionella spp. and legionellosis in Southeastern Italy: disease epidemiology and environmental surveillance in community and health care facilities. **BMC Public Health.** Accepted. To be published
6. Jaana Kusnetsov, Liisa-Kaarina Neuvonen, Timo Korpio, Søren A Uldum, Silja Mentula, Tuula Putus, Nhu Nguyen Tran Minh and Kari-Pekka Martimo. Two Legionnaires' disease cases associated with industrial waste water treatment plants: a case report. **BMC Infectious Diseases** Case report. Accepted. To be published

Participation in international conferences

15 Lectures in international conferences, workshops and meetings.

Languages

Certificate of Proficiency in English, University of Michigan
Certificate in Advanced English, University of Cambridge

IT skills

Microsoft office, Epi – Info for Windows, Stata for Windows

