

Europass curriculum vitae



Personal information

Name	Nuno Henrique Varela Canha	
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Telephone	+351 219946155	Mobile: +351 917738214
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E-mail	nunocanha@itn.pt	
Nationality	Portuguese	
Date of birth	09/01/1982	
Gender	Male	

Occupational field

Research and development Environment

Work experience

Dates	June 2011 – Present
Occupation or position held	PhD Fellowship
Main activities and responsibilities	

Research activity within the PhD work entitled “Characterization of indoor/outdoor atmospheric aerosol of urban and rural basic schools and its association with children health”. The PhD in Environmental Sciences is provided by Delft Technology University (The Netherlands), with Instituto Tecnológico e Nuclear as the institution where the experimental work is done. The PhD supervisors are: Maria do Carmo Freitas, Susana Marta Almeida (both ITN) and H. Th. Wolterbeek (Delft). This PhD is supported by FCT with the PHD scholarship SFRH/BD/72272/2010 (for a total period of 4 years).

- Participation in other projects and work developed:

i) “Characterizing seasonal variations in elemental particulate matter concentrations in European urban and rural areas under different climatic conditions (IAEA RER/2/005)”

a) IAEA Fellowship training for 1 month at the Unit of Assessment and Modelling of the Department of Environmental Health, National Institute for Health and Welfare, in Kuopio, Finland. The work was focused on methods for estimating ventilation rates at schools from carbon dioxide measurement data, which is part of World Health Organization collaboration, developing new indicators for the Environmental Health Indicator System (ENHIS, <http://www.euro.who.int/en/what-we-do/data-and-evidence/environment-andhealth-information-system-enhis>). A sampling campaign of carbon dioxide data from Finnish schools was also conducted. The visit period was in 28.11-22.12.2011.

ii) Scientific visit at the Unit of Assessment and Modelling of the Department of Environmental Health, National Institute for Health and Welfare, in Kuopio, Finland. The visit period is from 06.02 to 29.03.2012. The main focus of this visit is to estimation of environmental burden of disease from second hand smoke. Specifically, to learn the burden of disease concepts and to develop a European wide model update for second hand smoke (SHS) using the methods developed by WHO (Annette Prüss-Üstün) and applied previously to a smaller number of countries in the EBoDE study Hänninen & Knol, 2011).

Name and address of employer	Instituto Tecnológico e Nuclear Estrada Nacional 10 2686-953 Sacavém PORTUGAL www.itn.pt
Type of business or sector	Government Laboratory
Dates	January 2009- May 2011
Occupation or position held	Project Assistant
Main activities and responsibilities	<p>- Main activities developed within the R&D FCT Project "Impact of atmospheric indoor aerosol in human health (PTDC/SAU-ESA/65597/2006)", which aims to investigate the relationship between the indoor air quality of classrooms and the health impact and educational performance of children attending primary schools in Lisbon city:</p> <p>i) Application and optimization of a sampling methodology based up on passive deposition.</p> <p>ii) Sampling campaigns for bioaerossols (bacteria, fungus and pollens) and total particulate matter (TPM) at 14 primary schools of Lisbon urban area</p> <p>iii) Analysis of the above: bioaerossols (quantification for bacteria and fungi and identification and quantification for pollens) and TPM [elemental composition (by k0-INAA), soluble ions (by HPLC, atomic absorption and UV spectroscopy) and natural radioactivity (gamma measurement)].</p> <p>- Participation in other projects and work developed:</p> <p>i) "Hyperaccumulation of arsenic and other elements by plants in a mining area: accumulation mechanisms and phytoremediation (PTDC/AMB/65462/2006)".</p> <p>a) Sampling on field for soil, plants, lichens and water samples;</p> <p>b) Preparation and analysis of samples by k0-INAA;</p> <p>c) Measurement of gamma radiation on HPGe detectors and calculation of results using the k0 software.</p> <p>ii) "Enhancing the sustainability of Research Reactors and their safe operation through regional cooperation, networking and coalition (IAEA RER/4/032)"</p> <p>a) IAEA Fellowship training for 1 month at Institute of Isotopes (KFKI, Budapest, Hungary) with the aim of implementing prompt-gamma neutron activation analysis (PGNAA) at the RPI (Portuguese Research Reactor).</p> <p>b) Air filter analysis at the PGAA facility of the FRMII reactor at Munich, during two weeks in July 2010.</p> <p>iii) "Characterizing seasonal variations in elemental particulate matter concentrations in European urban and rural areas under different climatic conditions (IAEA RER/2/005)"</p> <p>b) Preparation and analysis of filters used for sampling air particulate matter (APM) at rural area;</p> <p>c) Use and maintenance of a Partisol sequential air sampler for the sampling campaign.</p>
Name and address of employer	Instituto Tecnológico e Nuclear Estrada Nacional 10 2686-953 Sacavém PORTUGAL www.itn.pt
Type of business or sector	Government Laboratory
Dates	2008
Occupation or position held	Quality Control
Main activities and responsibilities	- Training for 6 months at the Chemical Laboratory to assess the quality control of the products produced. The aim was to acquire knowledge in analytical chemistry, ICP and AA, as well to determine and correlate the analytical results with the industrial conditions.
Name and address of employer	Ferro Industrias Químicas Portugal, Lda Castanheira do Ribatejo PORTUGAL

Type of business or sector	www.ferro.com Industry
Dates	2007-2008
Occupation or position held	Master work
Main activities and responsibilities	- Research and development activities in the biodiesel field with the aim to study the oxidative stability of biodiesel and its relationship with the operation conditions, as well the application of near infrared spectroscopy (NIRS) to calibrate biodiesel properties by quimiometric methods. A training of one month was made at an industrial facility of biodiesel production (Biovegetal).
Name and address of employer	Centre of Chemical Process Instituto Superior Técnico Technical University of Lisbon Av. Rovisco Pais 1049-001 Lisbon PORTUGAL https://fenix.ist.utl.pt/investigacao/cpqutl/SPE
Type of business or sector	University
Dates	2007
Occupation or position held	Quality Control
Main activities and responsibilities	- IAESTE training of 2 months at the Quality Control Lab. Application of HPLC technique to do quality control of pesticides and to validate the used analytical methods.
Name and address of employer	Chemark Ltd H-8182 Peremarton gyártelep, Pf. 31. Veszprém Hungary www.chemark.hu
Type of business or sector	Industry
Dates	2005-2007
Occupation or position held	Student's guide
Main activities and responsibilities	Guide of NAPE – Student's Guidance Office of Instituto Superior Técnico. Organization of activities for the students of the 1st year and international students (ERASMUS, IAESTE and others exchange programs) and activities for the divulgation of the university.
Name and address of employer	NAPE – Núcleo de Apoio ao Estudante Instituto Superior Técnico Technical University of Lisbon Av. Rovisco Pais 1049-001 Lisbon PORTUGAL http://nape.ist.utl.pt
Type of business or sector	University

Education and training

Dates	2008
Title of qualification awarded	Master
Principal subjects/Occupational skills	Chemistry

covered	
Name and type of organisation providing education and training	Instituto Superior Técnico – Universidade Técnica de Lisboa
Level in national or international classification	16
Dates	2005
Title of qualification awarded	Degree
Principal subjects/Occupational skills covered	Chemistry
Name and type of organisation providing education and training	Instituto Superior Técnico – Universidade Técnica de Lisboa
Level in national or international classification	12

Personal skills and competences

Mother tongue **Portuguese**

Other languages

Self-assessment

European level (*)

English

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
B1	B1	B1	B1	B1

(*) Common European Framework of Reference (CEF) level

Computer skills and competences

Microsoft Office, MatLab, PLS Tool Box, CorelDraw, Origin, Statistica, k0-IAEA, GeoMS

Other

a) "Certificado de Aptidão Profissional de Formador" from IIEFP due to a training of "Formação Pedagógica Inicial de Formadores" from FDTI (IPJ), Alverca do Ribatejo IPJ, from November to December 2009. Certificate number: EDF-545551/2010 DA.

b) Trainings:

- Course "MOHID Workshop: Pollutant Drifter and Dispersion Modelling in Estuaries and Coastal Zones", MARETEC – IST, 13 and 14 October 2011.
- Course of Radiologic Protection and Safety, 12 hours, ITN, April-May 2011.
- Basic course of First Aid, 3 hours, ITN, 16 February 2011.
- Basic course of Fire Prevention, 3 hours, ITN, 23 February 2011.
- Course of Introduction to Bayesian Statistic via WinBUGS, Faculty of Sciences, University of Lisbon, 2 days (17-18 December 2009).
- Seminar of Indoor Air Quality "Vigilância Ambiental dos Agentes Químicos e Biológicos", 2 days (10/10/09 and 07/11/09), at ESTSL, with the following program: 1) Monitorization of Chemical and Biologic Agents; 2) Results processing and treatment and 3) Case studies.
- Course "Aerosol Data Analysis – IAEA Regional Training Course on Evaluation of Analytical Data, Source Identification and Source Apportionment, ITN, 1 week (19-24 October 2009).
- Course "Chemical elements in atmospheric pollution: sampling, analytical methods, source apportionment and epidemiology", ITN, 1 week (12-16 October 2009).
- The 9th European Basic Course on Aerobiology, University of Évora, 1 week (6-10 September 2009).
- Course of Laboratory Safety, 3 hours, ITN, 17 March 2009.
- Course of Training of Development of Communications Skills, IST/Motiven, 14 hours (8-10 February 2006).

Driving licence

Type B

1. Research work**1.1. Publications****1.1.1. Thesis**

- N. Canha (2008). Determinação da Estabilidade Oxidativa do Biodiesel e a sua Relação com as Condições Operatórias de Produção. Master Thesis. Instituto Superior Técnico – Universidade Técnica de Lisboa, Portugal.

1.1.2. International scientific publications (with referee)

- A.M.J. Cruz, M.C. Freitas, N. Canha, T. Verburg, S.M. Almeida, H.T. Wolterbeek (2012) Spatial mapping of the city of Lisbon using Biomonitors. *International Journal of Environment and Health* 6(1): 1 – 17. Doi: 10.1504/IJENVH.2012.046852

- N. Canha, P. Felizardo, J.C. Menezes, M.J.N. Correia (2012) Multivariate near infrared spectroscopy models for predicting the oxidative stability of biodiesel: Effect of antioxidants addition. *Fuel* 97: 352-357. Doi: 10.1016/j.fuel.2012.02.017

- M. Trancoso, A. Sousa, F. Mouro, M.C. Freitas, S. Almeida, N. Canha (2012) Indoor air quality: validation and setting up quality control for determination of anions and cations in particulate matter. *Accred Qual Assur* 17(2): 199-206. Doi: 10.1007/s00769-011-0864-0

- H.M. Anawar, M.C. Freitas, N. Canha, I. Dionísio, H.M. Dung, C. Galinha, A.M.G. Pacheco (2012) Assessment of bioaccumulation of REEs by plant species in a mining area by INAA. *Journal of Radioanalytical and Nuclear Chemistry* (in press). Doi: 10.1007/s10967-012-1669-2

- N. Canha, M.C. Freitas, M. Almeida-Silva, S.M. Almeida, H.M. Dung, I. Dionísio, J. Cardoso, C.A. Pio, A. Caseiro, T.G. Verburg, H.T. Wolterbeek (2012) Burn Wood influence on outdoor air quality in a small village: Foros de Arrão, Portugal. *J Radioanal Nucl Chem* 291(1): 83-88. Doi: 10.1007/s10967-011-1261-1

- N. Canha, M. Almeida-Silva, M.C. Freitas, S.M. Almeida, H.T. Wolterbeek (2012) Lichens as biomonitors at indoor environments of primary schools. *J Radioanal Nucl Chem* 291(1): 83-88. Doi:10.1007/s10967-011-1259-8

- N. Canha, M. Almeida, M.C. Freitas, S.M. Almeida (2011) Seasonal Variation of Total Particulate Matter and Children Respiratory Diseases at Lisbon Basic Schools using Passive Methods. *Procedia Environmental Sciences* 4: 170-183. DOI: 10.1016/j.proenv.2011.03.021

- N. Canha, M.C. Freitas, I. Dionisio, A.M.G. Pacheco, H.M. Anawar (2011) Chemical extraction potential of superficial waters in soils of abandoned sulphide-mining areas. *Proc. Radiochim. Acta* 1: 377–381. DOI: 10.1524/rcpr.2011.0067

- M. Almeida-Silva, N. Canha, C. Galinha, H.M. Dung, M.C. Freitas, T. Siteo (2011) Trace elements in wild and orchard honeys. *Applied Radiation and Isotopes* 69 (11): 1592-1595. DOI:10.1016/j.apradiso.2011.01.013

- M. Almeida-Silva, N. Canha, M.C. Freitas, H.M. Dung, I. Dionísio (2011) Air pollution at an urban traffic tunnel in Lisbon, Portugal – an INAA study. *Applied Radiation and Isotopes* 69 (11): 1586-1591. DOI:10.1016/j.apradiso.2011.01.014

- H.M. Anawar, M.C. Freitas, N. Canha (2011) Evaluation of atmospheric dispersion of contaminated mining particulates by biomonitors. *Int. J. Environ. Health.* 5 (1/2): 84 – 92. DOI: 10.1504/IJENVH.2011.039858

- H.M. Anawar, N. Canha, M.C. Freitas, I.S. Regina, A. Garcia-Sanchez (2011) Effects of different drying processes on the concentrations of metals and metalloids in plant materials. *J. Radioanal. Nucl. Chem.* 289: 29-34. DOI: 10.1007/s10967-011-1051-9.

- H.M. Anawar, M.C. Freitas, N. Canha, I.S. Regina (2011) Arsenic, antimony and other trace element contamination in a mine tailings affected area and uptake by tolerant plant species. *Environmental Geochemistry and Health* 33 (4): 353-362. DOI: 10.1007/s10653-011-9378-2

- A.M.J.Cruz, M.C. Freitas, T.G.Verburg, N. Canha, H.Th. Wolterbeek (2011) Response of exposed bark and exposed lichen to an urban area. *Proc. Radiochim. Acta* 1: 363–369. DOI:

10.1524/rcpr.2011.0064

- S.M. Almeida, N. Canha, Ana Silva, M.C. Freitas, P. Pegas, C. Alves, M. Evtuygina, C.A. Pio (2011) Children Exposure to Atmospheric Particles in Indoor of Lisbon Primary Schools. *Atmospheric Environment* 45(40): 7594-7599. doi:10.1016/j.atmosenv.2010.11.052
- N. Canha, M.C. Freitas, S.M. Almeida, A.M.G. Pacheco (2010) Element-enrichment factors in *Parmotrema bangii* and *Cryptomeria japonica* of Portuguese islands of the central North Atlantic. *Int. J. Environment and Health* 4(2/3):120 -136. DOI: 10.1504/IJENVH.2010.033703
- N. Canha, M.C. Freitas, S.M. Almeida, M. Almeida, M. Ribeiro, C. Galinha, H.Th. Wolterbeek (2010) Indoor school environment: easy and low cost to assess inorganic pollutants. *J. Radioanal. Nucl. Chem.* 286 (2): 495-500. DOI: 10.1007/s10967-010-0781-4
- N. Canha, M.C. Freitas, H.M. Anawar, I. Dionisio, H.M. Dung, C. Pinto-Gomes, A. Bettencourt (2010) Characterization and phytoremediation of abandoned contaminated mining area in Portugal by INAA. *J. Radioanal. Nucl. Chem.* 286 (2): 577-582. DOI: 10.1007/s10967-010-0780-5
- H.M. Dung, M.C. Freitas, M. Blaauw, S.M. Almeida, I. Dionisio, N.H. Canha (2010) Quality control and performance evaluation of k₀-based neutron activation analysis at the Portuguese research reactor. *Nucl.Instr.and Meth.A* 622: 392-398. DOI:10.1016/j.nima.2010.04.003
- S. Landsberger, S. Robinson, M.C. Freitas, N. Canha, A.M.G. Pacheco, H.M. Anawar (2010) Characterisation of antimony, arsenic, cadmium, copper and tin occurrences at an abandoned sulphide-mining area. *Int. J. Environment and Health* 4(2/3): 166 – 180. DOI: 10.1504/IJENVH.2010.033706
- H.M. Anawar, N. Canha, M.C. Freitas (2010) Soils of Sao Domingos Mine: REE Chemical Characterization. *J. Radioanal. Nucl. Chem.* 286 (2): 565-568. DOI: 10.1007/s10967-010-0776-1
- M.C. Freitas, A.M.G. Pacheco, H.M. Anawar, N. Canha, I. Dionisio, A. Bettencourt, F. Henriques, C.J. Pinto-Gomes, S. Capelo (2009) Determination of phytoextraction potential of plant species for toxic elements in soils of abandoned sulphide-mining areas. *J. Radioanal. Nucl. Chem.* 282: 21–27. DOI: 10.1007/s10967-009-0222-4

(submitted)

- N. Canha, M.Martinho, M.Almeida-Silva, M.C. Freitas, S.M. Almeida, P. Pegas, C. Alves, C. Pio, M. Trancoso, R. Sousa, F. Mouro, T. Contreiras. Indoor air quality in primary schools. *International Journal of Environment and Pollution*.
- N. Canha, M.C. Freitas, A.M.G. Pacheco. Response of air-pollution biomonitors under three different meteorological conditions. *Journal of Radioanalytical and Nuclear Chemistry*.

1.1.3. Conference Proceedings

- N. Canha M.C. Freitas, M. Martinho, M. Almeida-Silva, S.M. Almeida, P. Pegas, C. Alves, C. Pio, M. Trancoso, R. Sousa, F. Mouro, T. Contreiras (2011) Indoor Air Quality in Primary Schools. Proceedings of the 14th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (HARMO 14), Kos Island, Greece, 2-6 October (ISBN 978-960-89650-6-5), pages 312-316.
- N. Canha, M. Ribeiro, Freitas M. C., Almeida M., Almeida S. M., Cabo S., Wolterbeek H. Th. (2011) Fungi, bacteria and pollens seasonally quantified at 3 basic schools in Lisbon, ASHRAE IAQ 2010 Conference: Airborn Infection Control - Ventilation, IAQ & Energy, Kuala Lumpur, Malaysia, 10-12 November (ISBN 978-1-936504-04-6).
- H.M. Anawar, M.C. Freitas, N. Canha (2010) Contamination and phytoremediation of arsenic and other heavy metals and evaluation of different drying process to determine metals in plant species grown in a mining impacted area. Proceedings of 15th International Conference on Heavy Metals in the Environment (ICHMET), Gdańsk, Poland, 19-23 September.
- N. Canha, M.C. Freitas, S.M. Almeida, M. Almeida, H.Th. Wolterbeek, Seasonal indoor total deposition at classrooms of Lisbon basic schools through a school year, *Clima 2010 Congress CD* (ISBN Code: 978-975-6907-14-6).

1.1.4. Book Chapters

M.C. Freitas, N. Canha, M. Martinho, M. Almeida-Silva, S.M. Almeida, P. Pegas, C. Alves, C. Pio, M. Trancoso, R. Sousa, F. Mouro, T. Contreiras (2011) Indoor Air Quality in Primary Schools, *Advanced Topics in Environmental Health and Air Pollution Case Studies*, Anca Maria Moldoveanu (Ed.), ISBN: 978-953-307-525-9, InTech, Available from: <http://www.intechopen.com/articles/show/title/indoor-air-quality-in-primary-schools>

1.2. Conferences attendance

1.2.1. Oral communications

1.2.1.1. Author and Presenter

- N. Canha, S.M. Almeida, M.C. Freitas, M. Täubel, O. Hänninen (2012) Winter Ventilation Rates at Primary Schools: Comparison between Portugal and Finland. *International Congress on Environmental Health (ICEH 2012)*, Lisbon, Portugal, 29 May – 2 June.

- N. Canha, M.C. Freitas, M. Silva-Almeida, S.M. Almeida, H. M. Dung, I. Dionísio, J. Cardoso, C.A. Pio, A. Caseiro, T.G. Verburg, H.T. Wolterbeek (2011) Burn Wood Influence on Outdoor Air Quality in a small village, Portugal, *Modern Trends in Activation Analysis – 13 (MTAA-13)*, College Station, Texas, 12 – 20 March.

- N. Canha, M. Almeida, M.C. Freitas, H.M. Anawar, H. M. Dung, C. Pinto-Gomes, A. Bettencourt (2010) REE chemical characterization of Soils and Plants from São Domingos Mines and Castromil Mines, Portugal, *International Congress on Environmental Health*, Coimbra, Portugal, 4-6 November.

1.2.1.2. Author but not Presenter

- N. Canha, M.C. Freitas, S.M. Almeida, H.M. Dung, I. Dionísio, A.M.G. Pacheco, H.TH. Wolterbeek (2011) Indoor passive deposition at classrooms of Lisbon elementary schools: Characterization of the total particulate matter using k0-INAA and natural radionuclide measurements. *RRMC – Radiobioassay & Radiochemical Measurements Conference*, Sandestin, Florida, USA, 31 October – 4 November.

- M. Trancoso, A. Sousa, F. Mouro, M.C. Freitas, S.M. Almeida, N. Canha (2011) Indoor air quality: Measurement uncertainty as a tool for the anion-cation balance acceptance criteria. *Eurachem – Recent developments in measurement uncertainty*, Lisbon, Portugal, 6-7 June.

- H.M. Dung, M.C. Freitas, D. Beasley, I. Dionísio, C. Galinha, S.M. Almeida, N. Canha, J.G. Marques (2010) Some combined neutron activation analysis techniques for biological, environmental and industrial applications at the Portuguese Research Reactor. *4th International Symposium on Nuclear Analytical Chemistry (NAC-IV)*, Bhaba Atomic Research Centre, Trombay, Mumbai, India, 15-19 November.

- N. Canha, M. Ribeiro, M.C. Freitas, S.M. Almeida, S.C. Verde, T. Th. Wolterbeek (2010) Fungi, bacteria and pollens seasonally quantified at 3 basic schools in Lisbon. Evaluation of ventilation need. *ASHRAE IAQ 2010 Conference: Airborne Infection Control - Ventilation, IAQ & Energy*, Kuala Lumpur, Malaysia, 10-12 November.

- M. Silva, N. Canha, M.C. Freitas, H. M. Anawar, H.M. Dung (2010) Characterization of native plant species of a contaminated mining area, their phytoremediation potential and health impact into the surrounding populations. *International Congress on Environmental Health, College of Health Technologies of Coimbra*, Coimbra, Portugal, 4-6 November.

- N. Canha, H.M. Dung, M.C. Freitas, S.M. Almeida, L. Canella, S. Sollradl, P. Kudejová, Z. Révay (2010) The New PGAA Facility Implementation Process at ITN, Portugal: environmental applications. *3rd User Meeting at FRM II*, Garching, Germany, 15 October.

- N. Canha, M.C. Freitas, C.A. Pio, I. Dionísio, H.M. Dung (2010) Air pollution at an urban tunnel built for Western commuter entrance in Lisbon, Portugal: a need for ventilation improvement. *Seminar of Activation Analysis and Gamma Spectroscopy (SSAGAS)*, Dresden-Rosendorf, Germany, 6-8 September.

- H.M. Anawar, M.C. Freitas, N. Canha, H.M. Dung, I. Dionísio (2010) Arsenic, antimony and other trace element contamination in a mining affected area and phytoremediation. *Int. Conf. and Workshops of the Society for Environmental Geochemistry and Health*, Galway, Ireland, 27 June -2

July.

- M. Freitas, N. Canha, S.M. Almeida (2010) Seasonal total deposition at classrooms of Lisbon basic schools through a school year Portugal: a need for ventilation improvement. *Clima 1010 – 10th REHVA World Congress*, Antalya, Turkey, 9-12 May.

- S.M. Almeida, N. Canha, M.C. Freitas, A. Silva, P. Pegas, C. Alves, M. Evtyugina, C.A. Pio (2010) Children Exposure to Air Particulate Matter in the Indoor of Lisbon Primary Schools, 2010 AAAR Air Pollution and Health, San Diego, EUA, 22-26 March.

- N. Canha, M.C. Freitas, H.M. Dung, S.M. Almeida, A.M.G. Pacheco (2009) Indoor total deposition at classrooms of Lisbon basic schools a preliminary test to optimize the exposure procedure based on elemental analysis, 5th International k0-Users Workshop, Belo Horizonte, Minas Gerais, 13-17 September.

- H.M. Anawar, M.C. Freitas, N. Canha (2009) Evaluation of atmospheric dispersion of contaminated mining particulates by biomonitors and health risk, 5th International Workshop on Biomonitoring of Air Pollution (BioMAP-5), Buenos Aires, Argentina, 20-24 September.

- A. Cruz, N. Canha, M.C. Freitas, T.G. Verburg, H.Th. Wolterbeek (2009) Spatial mapping of the city of Lisbon using biomonitors 5th International Workshop on Biomonitoring of Air Pollution (BioMAP-5), Buenos Aires, Argentina, 20-24 September.

- S. Landsberger, S. Robinson, M.C. Freitas, N. Canha, A.M.G. Pacheco, H.M. Anawar (2009) Characterization of antimony, arsenic, cadmium, copper and tin occurrences at an abandoned sulphide-mining area, 5th International Workshop on Biomonitoring of Air Pollution (BioMAP-5), Buenos Aires, Argentina, 20-24 September.

1.2.2. Poster communications

1.2.2.1. Author and Presenter

- N. Canha, M. Almeida-Silva, S.M. Almeida, M.C. Freitas, H.Th. Wolterbeek (2012) Chemical composition of Total Particulate Matter from indoor school environments, Urban Environmental Pollution - Creating Healthy, Liveable Cities (UEP2012), Amsterdam, The Netherlands, 17-20 June.

- N. Canha, M. Silva-Almeida, M.C. Freitas, S.M. Almeida, H.T. Wolterbeek (2011) Lichens as biomonitors at indoor environments of primary schools, Modern Trends in Activation Analysis – 13 (MTAA-13), College Station, Texas, 12 – 20 March.

- N. Canha, M. C. Freitas, H.M. Anawar, I. Dionísio, H.M.Dung, C. Pinto-Gomes (2010) Characterization of abandoned contaminated mining area at Portugal, by INAA, 16th Radiochemical Conference, Mariánské Lázně, Czech Republic, 18-23 April.

- N. Canha, M. C. Freitas, S. M. Almeida, M. Almeida, M. Ribeiro (2010) Indoor school environment: easy and low cost to assess inorganic pollutants, 16th Radiochemical Conference, Mariánské Lázně, Czech Republic, 18-23 April.

- N. Canha, M.C. Freitas, H.M. Dung, S.M. Almeida (2009) NORM at indoor environments using aerosols passively collected at classrooms of Lisbon basic schools, International Topical Conference on Po and Radioactive Pb isotopes, Seville, Spain, 26-28 October.

- N. Canha, J. Brandão, C. Veríssimo, L. Rosado (2006) Quality – the way to Accreditation, Day of Young Researchers of National Health Institute Dr Ricardo Jorge, April.

1.2.2.1. Author but not Presenter

- N. Canha, A.M.J.Cruz, S.M. Almeida, A. Silva, M.C. Freitas, H.Th. Wolterbeek (2011) Atmospheric particles in indoor of Lisbon primary schools. International Conference on Occupational and Environmental Health (ICOEH), Porto – Portugal, 17-19 October.

- A.M.J.Cruz, N. Canha, M.C. Freitas, S.M. Almeida, T.G. Verburg, H.Th. Wolterbeek (2011) Assessment of the meteorological conditions influence on spatial and temporal variation of biomonitors conductivity at Lisbon city, Portugal. International Conference on Occupational and Environmental Health (ICOEH), Porto – Portugal, 17-19 October.

- N. Canha, M.Martinho, M.Almeida-Silva, M.C. Freitas, S.M. Almeida, P. Pegas, C. Alves, C. Pio, M. Trancoso, R. Sousa, F. Mouro, T. Contreiras (2011) Indoor air quality in primary schools. 14th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes - Harmo-14. Kos Island, Greece, 2-6 October.
- A.M.J.Cruz, N. Canha, M.C. Freitas, S.M. Almeida, H.Th. Wolterbeek (2011) Spatial and temporal variation of biomonitors conductivity at Lisbon city, Portugal. CAPAC II - International Conference on Air Pollution and Control, Antalya – Turkey, 19-23 September.
- N. Canha, M.C. Freitas, A.M.G. Pacheco (2011) Response of air-pollution biomonitors under three different meteorological conditions. 3rd INCC - International Nuclear Chemistry Congress, Sicily – Italy, 18 - 23 September.
- H.M. Anawar, M.C. Freitas, C. Galinha, N. Canha, I. Dionísio, H.M. Dung, A.M.G. Pacheco (2010) Assessment of bioaccumulation of REEs by native plant species in an abandoned mining area by INAA. 4th Int. Symp. on Nuclear Analytical Chemistry (NAC-IV), Bhaba Atomic Research Centre, Trombay, Mumbai, India, 15-19 November.
- H.M. Anawar, M.C. Freitas, N. Canha (2010) Contamination and phytoremediation of arsenic and other heavy metals and evaluation of different drying process to determine metals in plant species grown in a mining impacted area. 15th International Conference on Heavy Metals in the Environment (ICHMET), Gdańsk, Poland, 19-23 September.
- T. Siteo, M.C. Freitas, N. Canha, M. Almeida, C. Galinha, H.M. Dung (2010) Neutron activation analysis of honey samples. Seminar of Activation Analysis and Gamma Spectroscopy (SAAGAS), Dresden-Rossendorf – Germany, 6-8 September.
- A.M.J. Cruz, M.C. Freitas, N. Canha, T.G. Verburg, S.M. Almeida, H.Th. Wolterbeek (2010) Spatial distribution of chemical elements and source apportionment by using biomonitoring techniques in a large urban area (Lisbon, Portugal). Urban Environmental Pollution, Boston, USA, 20-23 June.
- N. Canha, M. C. Freitas, S. M. Almeida, M. Almeida, H. M. Dung, I. Dionisio (2010) Seasonal variation of chemical element masses and children respiratory diseases at Lisbon Basic schools using passive methods, Urban Environmental Pollution, Boston, EUA, 20-23 June.
- N. Canha, M. C. Freitas, S. M. Almeida, M. Almeida, M. Ribeiro, S. Cabo Verde (2010) Indoor air quality parameters at primary schools in Lisbon by passive methods, Air Pollution and Health, San Diego, California, EUA, 22-26 March.
- N. Canha, M.C. Freitas, I. Dionisio, A.M.G. Pacheco, H.M. Anawar (2009) Chemical extraction potential of superficial waters in soils of abandoned sulphide-mining areas, Asia-Pacific Symposium on Radiochemistry 2009 (APSORC 09), Napa, California, USA, 29 November to 4 December.
- A.M.J. Cruz, M.C. Freitas, T.G. Verburg, N. Canha, H.Th. Wolterbeek (2009) Response of bark and lichen exposed to an urban area, for epidemiological studies, Asia-Pacific Symposium on Radiochemistry 2009 (APSORC 09), Napa, California, USA, 29 November to 4 December.
- N. Canha, M.C. Freitas, A.M.G. Pacheco, S.M. Almeida (2009) Element-enrichment factors in *Parmotrema bangii* and *Cryptomeria japonica* of Portuguese islands of the Central North Atlantic, 5th International Workshop on Biomonitoring of Air Pollution (BioMAP-5), Buenos Aires, Argentina, 20-24 September.
- A. Nicolau, P. Felizardo, N. Canha, J.C. Menezes, M.J.N. Correia (2008) Influence of Feedstocks and operation conditions in biodiesel production, 10th International Chemical and Biological Engineering Conference CHEMPOR 2008, 4-6 September.

1.2.3. Without communication

- XXI Jornadas de Engenharia Química at Instituto Superior Técnico, 12-13 May 2008.
- III Jornadas de Engenharia Biológica at Instituto Superior Técnico, 10 April 2008.
- II Jornadas de Engenharia Biológica at Instituto Superior Técnico, 27-28 March 2007.
- Seminary “Saúde Reprodutiva: métodos e direitos” at Hospitais da Universidade de Coimbra, 5 June 2004;
- XVII Jornadas de Engenharia Química at Instituto Superior Técnico, 7 May 2004;
- VII Jornadas Tecnológicas de Engenharia Química at Universidade Nova de Lisboa, 20 April 2004;
- XIX Encontro Nacional da Sociedade Portuguesa de Química at Coimbra, 15-17 April 2004.
- Colloquium “Clonagem – O Genoma Humano: Abordagem Biopsicológica” at Instituto Superior

Técnico, 14-15 November 2002.

1.3. Awards

- Student Travel Award by Texas A&M University at Modern Trends in Activation Analysis – 13 (MTAA-13) Conference, College Station, Texas, 12 – 20 March 2011.