

# Jorge Humberto Amorim

## PUBLICATIONS LIST

Updated in April 2021

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### Author bibliometrics

Peer-reviewed publications: 40 in Web of Science (h-index: 14), 46 in Scopus (h-index: 14)

Total number of citations: 673 in Web of Science, 764 in Scopus

Books or chapters of books: 35

Papers in International Conference Proceedings with peer-review: >60

### International scientific journals indexed in Web of Science

André K., Järnberg L., Swartling Å.G., Berg P., Segersson D., **Amorim J.H.**, Strömbäck L., 2021. Assessing the Quality of Knowledge for Adaptation–Experiences from Co-designing Climate Services in Sweden. *Front. Clim.* 3:636069. <https://doi.org/10.3389/fclim.2021.636069>

**Amorim, J.H.**; Engardt, M.; Johansson, C.; Ribeiro, I.; Sannebro, M., 2021. Regulating and Cultural Ecosystem Services of Urban Green Infrastructure in the Nordic Countries: A Systematic Review. *Int. J. Environ. Res. Public Health*, 18, 1219. <https://doi.org/10.3390/ijerph18031219>

**Amorim J.H.**, Segersson D., Körnich H., Asker C., Olsson E., Gidhagen L., 2020. High resolution simulation of Stockholm's air temperature and its interactions with urban development. *Urban Climate* 32, 100632. <https://doi.org/10.1016/j.uclim.2020.100632>.

Gidhagen L., Olsson J., **Amorim J.H.**, Asker C., Belušić D., Carvalho A.C., Engardt M., Hundecha Y., Körnich H., Lind P., Lindstedt D., Olsson E., Rosberg J., Segersson D., Strömbäck L., 2020. Towards climate services for European cities: Lessons learnt from the Copernicus project Urban SIS. *Urban Climate* 31, 100549. <https://doi.org/10.1016/j.uclim.2019.100549>.

Felix E., Gidhagen L., Alonso M.F., Nahirny E.P., Alves B.L., Segersson D., **Amorim J.H.**, 2019. Passive sampling as a feasible tool for mapping and model evaluation of the spatial distribution of nitrogen oxides in the city of Curitiba, Brazil. *Air Quality, Atmosphere & Health* 12, 837–846. <https://doi.org/10.1007/s11869-019-00701-z>.

Samson R., Moretti M., **Amorim J.H.**, Branquinho C., Fares S., Morelli F., Niinemets Ü., Paoletti E., Pinho P., Sgrigna G., Stojanovski V., Tiwary A., Sicard P., Calfapietra C., 2019. Towards an integrative approach to evaluate the environmental ecosystem services provided by urban forest. *Journal of Forestry Research* 30, 1981–1996. <https://doi.org/10.1007/s11676-019-00916-x>.

Saaroni H, **Amorim JH**, Hiemstra JA, Pearlmutter D, 2018. Urban Green Infrastructure as a tool for urban heat mitigation: Survey of research methodologies and findings across different climatic regions. *Urban Climate* 24, 94-110. <https://doi.org/10.1016/j.uclim.2018.02.001>.

Dias D, **Amorim JH**, Sá E, Borrego C, Fontes T, Fernandes P, Pereira SR, Bandeira J, Coelho MC, Tchepel O, 2018. Assessing the importance of transportation activity data for urban emission inventories. *Transportation Research Part D: Transport and Environment* 62, 27-35. <https://doi.org/10.1016/j.trd.2018.01.027>.

Baldacchini C, Castanheiro A, Maghakyan N, Sgrigna G, Verhelst J, Alonso R, **Amorim JH**, Bellan P, Djunisijevojic Bojovic D, Breuste J, Bühler O, Cântar I, Cariñanos P, Carriero G, Churkina G, Dinca L, Esposito R, Gawronski S, Kern M, Le Thiec D, Moretti M, Ningal T, Rantzoudi E, Sinjur I, Stojanova B, Aničić Urošević M, Velikova V, Zivojinovic I, Sahakyan L, Calfapietra C, Samson R, 2017. How does the amount and composition of PM deposited on *Platanus acerifolia* leaves

change across different cities in Europe? *Environmental Science & Technology* 51(3), 1147–1156. <http://dx.doi.org/10.1021/acs.est.6b04052>.

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**Amorim J.H.**, Valente J., Cascão P., Ribeiro L.M., Viegas D.X., Ottmar R., Miranda A.I., 2016. Near-source grid-based measurement of CO and PM<sub>2.5</sub> concentration during a full-scale fire experiment in Southern European shrubland. *Atmospheric Environment* 145, 19–28. <http://dx.doi.org/10.1016/j.atmosenv.2016.09.017>.

Borrego C, **Amorim JH**, Tchepel O, Dias D, Rafael S, Sá E, Pimentel C, Fontes T, Fernandes P, Pereira SR, Bandeira JM, Coelho MC, 2016. Urban scale air quality modelling using detailed traffic emissions estimates. *Atmospheric Environment* 131, 341–351. <http://dx.doi.org/10.1016/j.atmosenv.2016.02.017>.

Silva F.C., Borrego C., Keizer J.J., **Amorim J.H.**, Verheijen F.G.A., 2015. Effect of moisture content on wind erosion thresholds of biochar. *Atmospheric Environment* 123, 121–128. <http://dx.doi.org/10.1016/j.atmosenv.2015.10.070>.

Borrego C., Coutinho M., Costa A.M., Ginja J., Ribeiro C., Monteiro A., Ribeiro I., Valente J., **Amorim J.H.**, Martins H., Lopes D., Miranda A.I., 2015. Challenges for a new Air Quality Directive: the role of monitoring and modelling techniques. *Urban Climate* 14(3), 328–341. <http://dx.doi.org/10.1016/j.uclim.2014.06.007>.

Valente J., **Amorim J.H.**, Teixeira R., Pimentel C., Ribeiro I., Borrego C., 2014. Children exposure to traffic-related pollution: assessment of a typical schoolday. *Int. J. Environment and Pollution* 55(1/2/3/4), 104–112. <http://dx.doi.org/10.1504/IJEP.2014.065910>.

Coelho M.C., Fontes T., Bandeira J., Pereira S., Tchepel O., Dias D., Sá E., **Amorim J.H.**, Borrego C., 2014. Assessment of potential improvements on regional air quality modelling related with implementation of a detailed methodology for traffic emissions estimation. *Science of the Total Environment* 470–471, 127–137. <http://dx.doi.org/10.1016/j.scitotenv.2013.09.042>.

**Amorim J.H.**, Valente J., Cascão P., Pimentel C., Miranda A.I., Borrego C., 2013. Pedestrian exposure to air pollution in cities: modelling the effect of roadside trees. *Advances in Meteorology*. Volume 'Advances in Urban Biometeorology 2013', Article ID 964904. <http://dx.doi.org/10.1155/2013/964904>.

**Amorim J.H.**, Rodrigues V., Tavares R., Valente J., Borrego C., 2013. CFD modelling of the aerodynamic effect of trees on urban air pollution dispersion. *Science of the Total Environment* 461–462, 541–551. <http://dx.doi.org/10.1016/j.scitotenv.2013.05.031>.

Miranda A.I., Martins V., Cascão P., **Amorim J.H.**, Valente J., Borrego C., Ferreira A.J., Cordeiro C.R., Viegas D.X., Ottmar R., 2012. Wildland smoke exposure values and exhaled breath indicators on firefighters. *Journal of Toxicology and Environmental Health - Part A: Current Issues* 75 (13-15), 831–843. <http://dx.doi.org/10.1080/15287394.2012.690686>.

**Amorim J.H.**, 2011. Numerical modelling of the aerial drop of firefighting agents by fixed-wing aircraft – Part I: Model development. *International Journal of Wildland Fire (IJWF)* 20, 384–393. <http://dx.doi.org/10.1071/WF09122>.

**Amorim J.H.**, 2011. Numerical modelling of the aerial drop of firefighting agents by fixed-wing aircraft – Part II: Model validation. *International Journal of Wildland Fire (IJWF)* 20, 394–406. <http://dx.doi.org/10.1071/WF09123>.

Tente H., Gomes P., Ferreira F., **Amorim J.H.**, Cascão P., Miranda A.I., Nogueira L., Sousa S., 2011. Evaluating the efficiency of Diesel Particle Filters in high-duty vehicles: field operational testing in Portugal. *Atmospheric Environment* 45, 2623–2629. <http://dx.doi.org/10.1016/j.atmosenv.2011.02.069>.

Miranda A.I., Martins V., Cascão P., **Amorim J.H.**, Valente J., Tavares R., Borrego C., Tchepel O., Ferreira A.J., Cordeiro C.R., Viegas D.X., Ribeiro L.M., Pita L.P., 2010. Monitoring of

firefighters exposure to smoke during fire experiments in Portugal. *Environment International* 36, 736–745. <http://dx.doi.org/10.1016/j.envint.2010.05.009>.

Martins A., Cerqueira M., Ferreira F., Borrego C., **Amorim J.H.**, 2009. Lisbon air quality - evaluating traffic hot-spots. *International Journal of Environment and Pollution (IJEP)* 39(3/4), 306-320. <http://dx.doi.org/10.1504/IJEP.2009.028693>.

Borrego C., Costa A.M., **Amorim J.H.**, Santos P., Sardo J., Lopes M., Miranda A.I., 2007. Air quality impact due to scrap-metal handling on a sea port: A wind tunnel experiment. *Atmospheric Environment* 41(30), 6396-6405. <http://dx.doi.org/10.1016/j.atmosenv.2007.01.022>.

Miranda A.I., Ferreira J., Valente J., Santos P., **Amorim J.H.**, Borrego C., 2005. Smoke measurements during Gestosa 2002 experimental field fires. *International Journal of Wildland Fire (IJWF)* 14(1), 107–116. <http://dx.doi.org/10.1071/WF04069>.

Borrego C., Tchepel O., Salmim L., **Amorim J.H.**, Costa A.M., Janko J., 2004. Integrated modelling of road traffic emissions: application to Lisbon air quality management. *Cybernetics and Systems: An International journal* 35(5-6), 535-548. <http://dx.doi.org/10.1080/0196972049051904>.

Borrego C., Tchepel O., Costa A.M., **Amorim J.H.**, Miranda A.I., 2003. Emission and dispersion modelling of Lisbon air quality at local scale. *Atmospheric Environment* 37(37), 5197-5205. <http://dx.doi.org/10.1016/j.atmosenv.2003.09.004>.

#### Non-peer reviewed scientific publications

Segersson D., **Amorim J.H.**, 2020. Fysisk planering i ett varmare klimat En fallstudie för Stockholm. Report prepared for Myndigheten för samhällsskydd och beredskap (MSB). Publ. nr: MSB1679 december 2020. ISBN: 978-91-7927-093-3. 29 p. Available online at <https://www.msb.se/sv/publikationer/fysisk-planering-i-ett-varmare-klimat--en-fallstudie-for-stockholm/> (in Swedish).

**Amorim JH**, Asker C, Belušić D, Carvalho AC, Engardt M, Gidhagen L, Hundecha Y, Körnich H, Lind P, Olsson E, Olsson J, Segersson D, Strömbäck L, Joe P, Baklanov A, 2018. Integrated Urban Services for European cities: the Stockholm case. *WMO Bulletin - The journal of the World Meteorological Organization* 67(2), 33–40. Geneva, Switzerland. ISSN 0042-9767. [https://library.wmo.int/doc\\_num.php?explnum\\_id=5439](https://library.wmo.int/doc_num.php?explnum_id=5439).

Persson G., Wikberger C., **Amorim J.H.**, 2018. Klimatanpassa nordiska städer med grön infrastruktur. *Klimatologi* Nr 50. Swedish Meteorological and Hydrological Institute (SMHI). ISSN: 1654-2258. 60 p. Available online at <http://smhi.diva-portal.org/smash/get/diva2:1272429/FULLTEXT01.pdf>. (in Swedish).

Segersson D., Sjökvist E., **Amorim J.H.**, 2015. Riskbild 3, Södermanland - Extrema vädersituationer. Rapport Nr 73. Swedish Meteorological and Hydrological Institute (SMHI). Dnr 2015/509/9.5. 71 p. (in Swedish).

#### Books and chapters in books

Hiemstra J.A., Saaroni H., **Amorim J.H.**, 2017. The Urban Heat Island: Thermal Comfort and the Role of Urban Greening. In "The Urban Forest - Cultivating Green Infrastructure for People and the Environment". D. Pearlmutter, C. Calfapietra, R. Samson, L. O'Brien, S.K. Ostoić, G. Sanesi, R.A. del Amo (Eds.). Springer International Publishing. pp. 7-19. ISBN: 978-3-319-50279-3. DOI 10.1007/978-3-319-50280-9\_2.

Miranda A.I., Martins H., Valente J., **Amorim J.H.**, Borrego C., Tavares R., Samson R., del Amo R.A., 2017. Case Studies: Modeling the Atmospheric Benefits of Urban Greening. In "The Urban Forest - Cultivating Green Infrastructure for People and the Environment". D. Pearlmutter, C. Calfapietra, R. Samson, L. O'Brien, S.K. Ostoić, G. Sanesi, R.A. del Amo (Eds.). Springer

International Publishing. pp. 89-99. ISBN: 978-3-319-50279-3. DOI 10.1007/978-3-319-50280-9\_10.

Tallis M.J., **Amorim J.H.**, Calfapietra C., Freer-Smith P., Grimmond S., Kotthaus S., Oliveira F.L., Miranda A.I., Toscano P., 2015. The impacts of green infrastructure on air quality and temperature. In "Handbook on Green Infrastructure: Planning, design and implementation". Chapter 2. Sinnett D., Burgess S. and Smith N. (Eds.). Edward Elgar Publishing Limited, UK. ISBN 978-1-78347-399-1. 30-49. 474 p. <https://doi.org/10.4337/9781783474004.00008>.

Azevedo P., Marques F., Fernandes J.M., **Amorim J.H.**, Valente J., Miranda A.I., Borrego C., Cunha J.P., 2014. A wearable technological solution for firefighters smoke exposure monitoring. In "Advances in Forest Fire Research". Chapter 5. D.X. Viegas (Ed.). Coimbra, Portugal. 1919p. [http://dx.doi.org/10.14195/978-989-26-0884-6\\_144](http://dx.doi.org/10.14195/978-989-26-0884-6_144). ISBN 978-989-26-0884-6.

Miranda A.I., **Amorim J.H.**, Valente J., Monteiro A., Ferreira J., Borrego C., 2014. Forest fires effects on the atmosphere: 20 years of research in Portugal. In "Advances in Forest Fire Research". Chapter 1. D.X. Viegas (Ed.). Coimbra, Portugal. 1919p. [http://dx.doi.org/10.14195/978-989-26-0884-6\\_30](http://dx.doi.org/10.14195/978-989-26-0884-6_30). ISBN 978-989-26-0884-6.

**Amorim J.H.**, Miranda A.I., Valente J., Oliveira F., Borrego C., Fernandes J.M., Ottmar R., Prichard S.J., Andreu A., Fernandes P., Cunha J.P., 2014. Fire safety management based on integrated monitoring and forecast of smoke exposure. In "Advances in Forest Fire Research". Chapter 5. D.X. Viegas (Ed.). Coimbra, Portugal. 1919p. [http://dx.doi.org/10.14195/978-989-26-0884-6\\_152](http://dx.doi.org/10.14195/978-989-26-0884-6_152). ISBN 978-989-26-0884-6.

**Amorim J.H.**, Miranda A.I., Valente J., Cascão P., Martins V., Ribeiro L.M., Viegas D.X., 2014. Sensor grid for fine particles monitoring during a fire: implications to firefighter's safety. In "Advances in Forest Fire Research". Chapter 5. D.X. Viegas (Ed.). Coimbra, Portugal. 1919p. [http://dx.doi.org/10.14195/978-989-26-0884-6\\_166](http://dx.doi.org/10.14195/978-989-26-0884-6_166). ISBN 978-989-26-0884-6.

Borrego C., Lopes M., Cascao P., **Amorim J.H.**, Martins H., Tavares R., Miranda A.I., Tallis M.J., Freer-Smith P.H., 2014. Urban Air Quality Models. In "Understanding Urban Metabolism: a Tool for Urban Planning". Chrysoulakis N., Castro E. and Moors E. (Eds.). Routledge, UK. pp. 79-90. ISBN: 978-0-415-83511-4. <https://doi.org/10.4324/9781315765846>.

Lopes M., Borrego C., Martins H., **Amorim J.H.**, 2014. Guidelines for Urban Sustainable Development. In "Understanding Urban Metabolism: a Tool for Urban Planning". Chrysoulakis N., Castro E. and Moors E. (Eds.). Routledge, UK. pp. 197-205. ISBN: 978-0-415-83511-4. <https://doi.org/10.4324/9781315765846>.

Ribeiro I., Valente J., **Amorim J.H.**, Monteiro A., Miranda A.I., Lopes M., Borrego C., 2014. Air quality modelling and its applications. In "Current Environmental Issues and Challenges. Cao, Giacomo and Orrù, Roberto (Eds.). Springer. pp 45-56. ISBN 978-94-017-8777-2. [http://dx.doi.org/10.1007/978-94-017-8777-2\\_3](http://dx.doi.org/10.1007/978-94-017-8777-2_3).

Monteiro A., **Amorim J.H.**, Ferreira J., Sá M., Borrego C., 2014. Reducing Emissions of Atmospheric Pollutants. In "Global Environmental Change", Volume 1 of the series Handbook of Global Environmental Pollution. Freedman B. (Ed.). Springer Netherlands. pp 469-478. ISBN 978-94-007-5783-7. [https://doi.org/10.1007/978-94-007-5784-4\\_22](https://doi.org/10.1007/978-94-007-5784-4_22).

Borrego C., **Amorim J.H.**, Tchepel O., Costa A.M., Miranda A.I., 2013. Air quality modelling at street-scale. In "Advanced Numerical Methods for Complex Environmental Models: Needs and Availability", chapter 5. István Faragó, Ágnes Havasi & Zahari Zlatev (Eds.). Bentham Science Publishers. pp. 327-364. ISBN: 978-1-60808-777-1. <http://dx.doi.org/10.2174/9781608057788113010014>.

**Amorim J.H.**, Valente J., Pimentel C., Cascão P., Rodrigues V., Miranda A.I., Borrego C., 2013. Modeling the role of urban green infrastructures on students' exposure to traffic-related air pollution. In 'Recent Advances in Urban Planning and Construction'. Lee K.C. (Ed.). WSEAS Press. ISBN: 978-960-474-352-0.

Borrego C., **Amorim J.H.**, Martins H., Valente J., 2013. Planeamento urbano, qualidade do ar e exposição humana. In "Europa 2020: retorica, discursos, política e prática". Carlos Rodrigues C., Moura e Sá F., Santinha G., Lourenço Marques J., Mota J.C., Viegas M. (Eds.). UA Editora, Aveiro, Portugal. 2<sup>nd</sup> Edition, July 2013. ISBN: 978-972-789-391-1.

**Amorim J.H.**, Valente J., Pimentel C., Miranda A.I., Borrego C., 2012. Detailed modelling of the wind comfort in a city avenue at the pedestrian level. In "Usage, Usability, and Utility of 3D City Models". T. Leduc, G. Moreau, R. Billen (Eds.). Edp Sciences, France: 03008p.1-03008p.6. ISBN: 978-2-7598-0798-7. DOI: 10.1051/3u3d/201203008

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**Amorim J.H.**, Valente J., Cascão P., Rodrigues V., Borrego C., 2012. Modelling the link between urban morphology, pedestrian dynamics and individual exposure to air pollution In: 3D Issues in Urban and Environmental Systems. R. Billen, M. Caglion, O. Marina, G. Rabino, R. San José (Eds.). Società Editrice Esculapio, Italy. 103-110 p. ISBN: 978-88-7488-546-6.

**Amorim J.H.**, Miranda A.I., Sá E., Martins V., Ribeiro C., Coutinho M., Borrego C., 2012. Multiscale modelling of forest fire smoke emissions impact on urban air quality at the pedestrian level. In: Modelling Fire Behaviour and Risk. D. Spano, V. Bacciu, M. Salis, C. Sirca. (Eds). University of Sassari; Euro-Mediterranean Center for Climate Changes (CMCC), Italy; 255-260 pp. ISBN: 978-88-904409-7-7.

Miranda A.I., **Amorim J.H.**, Martins V., Cascão P., Valente J., Ottmar R., Ribeiro L.M., Viegas D.X., Borrego C., 2012. Modelling the exposure of firefighters to smoke based on measured data. C.A. Brebbia and G. Perona (Eds.). In: Modelling, Monitoring and Management of Forest Fires III. WIT Transactions on Ecology and the Environment 158. WIT Press. Southampton, UK. 258 pp. ISBN: 978-1-84564-584-7. Cited by Scopus.

Borrego, C., Valente, J., **Amorim, J.H.**, Rodrigues, V., Cascão, P., Miranda, A.I., 2012. Modelling of tree-induced effects on pedestrian exposure to road traffic pollution. J.W.S. Longhurst and C.A. Brebbia (Ed.s). In: Urban Transport XVIII. WIT Transactions on Ecology and the Environment 128. WIT Press. Southampton, UK. 754 pp. ISBN: 978-1-84564-580-9. Cited by Scopus. <http://dx.doi.org/10.2495/ut120011>.

**Amorim J.H.**, Keizer J.J., Miranda A.I., Monaghan K. (Eds.), 2011. Forest fires research: beyond burnt area statistics. University of Aveiro, Aveiro, Portugal. ISBN 978-972-789-345-4. 78 p.

Miranda A.I., Borrego C., **Amorim J.H.**, Martins V., Martins H., Cascão P., Sá E., Carvalho A., Valente J., 2011. Forest Fires, Air Quality and Human Exposure. In "Forest fires research: beyond burnt area statistics". J.H. Amorim, J.J. Keizer, A.I. Miranda, K. Monaghan (Eds.). University of Aveiro, Aveiro, Portugal. ISBN 978-972-789-345-4. 33-38.

Borrego C., Cascão P., Lopes M., **Amorim J.H.**, Tavares R., Rodrigues V., Martins J., Miranda A.I., Chrysoulakis N., 2011. Impact of urban planning alternatives on air quality: URBAIR model application. C.A. Brebbia and J.W.S. Longhurst (Ed.s). In: Air Pollution XIX. WIT Transactions on Ecology and the Environment 147. 12. WIT Press. Southampton, UK. DOI: 10.2495/AIR110021. Cited by Scopus. <http://dx.doi.org/10.2495/air110021>.

**Amorim J.H.**, Lopes M., Borrego C., Tavares R., Miranda A.I., 2010. Air quality modelling as a tool for sustainable urban traffic management. C.A. Brebbia and J.W.S Longhurst (Ed.s). In: Air Pollution XVIII. WIT Transactions on Ecology and the Environment, Vol 136, pp 3-14. WIT Press. Southampton, UK. doi: 10.2495/AIR100011. Cited by Scopus. <http://dx.doi.org/10.2495/air100011>.

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pp. 171 – 187. ISBN: 978-3-642-01753-7. DOI: 10.1007/978-3-642-01754-4.  
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Borrego C., Lopes M., Valente V., Neuparth N., Martins P., **Amorim J.H.**, Costa A.M., Silva J., Martins H., Tavares R., Nunes T., Miranda A.I., Cascão P., Ribeiro I., 2009. The importance of urban planning on air quality and human health. Chapter 2, *Urban Planning in the 21st Century*, Eds. D.S. Graber and K.A. Birmingham, Nova Science Publishers, Inc. pp. 27-49. ISBN: 978-1-60692-975-9.

Borrego C., Carvalho A., Miranda A.I., Costa A.M., Monteiro A., **Amorim J.H.**, Valente J., Lopes M., Neuparth N. (Eds.), 2009. *Investigação em Ambiente e Saúde: desafios e estratégias*. Universidade de Aveiro, Aveiro. ISBN: 978-972-789-288-4

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**Amorim J.H.**, Borrego C., Miranda A.I., 2009. Development and validation of an operational numerical model for the simulation of the aerial drop of firefighting products. Eighth Symposium on Fire and Forest Meteorology. 13-15 October 2009. Kalispell, Montana, USA.

**Amorim J.H.**, Borrego C., Miranda A.I., 2008. An operational dropping model towards an efficient aerial firefighting. International Conference on Forest Fires 2008. 17-19 September 2008. Toledo, Spain.

**Amorim J.H.**, Miranda A.I., Borrego C., 2005. The effect of vegetative canopy on urban air pollutants dispersion: an application to Lisbon city centre. 14<sup>th</sup> International Symposium on Transport and Air Pollution (TAP). 1-3 June 2005. Graz, Austria.

#### **Oral communications as invited speaker**

"Um mergulho virtual no ar da cidade: do conforto à exposição humana". "Ciclo de Palestras em Toxicologia e Ecotoxicologia" - TOXECO 2014. Aveiro, Portugal. May 21, 2014.

"Análisis de dispersión de los contaminantes a nivel de corredores y del Valle de Aburrá". Workshop on "Desarrollo de una Estrategia Ambiental Integrada para una Movilidad Sustentable en el Área Metropolitana del Valle de Aburrá". Medellín, Colombia. March 26, 2014.

"Modelación de calidad del aire a microescala". Workshop on "Desarrollo de una Estrategia Ambiental Integrada para una Movilidad Sustentable en el Área Metropolitana del Valle de Aburrá". Medellín, Colombia. March 27, 2014.

"Human comfort and exposure to air pollution under climate change: the role of computational models". Seminar on "Horizon 2020 - Fighting and Adapting to Climate Change". Aveiro, Portugal. Jan. 22, 2014.

"Estado del arte y recomendaciones para la modelación de la calidad del aire de intervenciones de transporte". Workshop on "Aplicación de Estrategias Ambientales Integradas del Plan del Sistema Integrado de Transporte Público de Bogotá". Bogotá, Colombia. Nov. 28 - 29, 2011.

"An overview of fire and emissions research in Portugal". Seminar at the University of Washington, USA. Oct. 20, 2010.

"An overview of fire and emissions research in Portugal". Seminar at the Pacific Wildland Fire Sciences Laboratory, Seattle, USA. Oct. 19, 2010.

"Numerical modelling of the interaction between urban vegetation and air pollutants dispersion". Workshop on "Biosphere-Atmosphere Interaction in a Changing Environment: from Local to Global Scale". Univ. Aveiro, Sep. 20, 2010.

"The problem of forest fires on urban air quality". Conference on "Civil Protection and the Environment". Escola Superior de Tecnologia e Gestão de Leiria, Dec. 10, 2008.