POSTER PROGRAMME

Sunday 17th June 2012	
Poster session 1	
[P1.1]	**Evaluation and assessment of top soil and herbage pollution by heavy metals near cement plant in Rabigh, western coast of KSA** M.D. Madbouly, *The National Center for Social and Criminlogical Research, Egypt*
[P1.2]	**Natural ventilator of the city: A model for alleviating urban heat island** P. Shahmohamadi*[1], U. Cubasch[1], S. Sodoudi[1], A.I. Che-Ani[2], *[1]Freie Universität Berlin, Germany, [2]Universiti Kebangsaan Malaysia, Malaysia*
[P1.3]	**Gas-phase elemental mercury removal by bamboo charcoal impregnated with KMnO4: Mechanism study** Z.Q. Tan*[1], J.R. Qiu[1], J. Xiang[1], S. Su[1], F.H. Kong[2], L.S. Sun[1], S. Hu[1], L. Jiang[1], *[1]Huazhong University of Science and Technology, China, [2]Xi'an Thermal Power Research Institute Co. Ltd.(Suzhou Branch), China*
[P1.4]	**Social and psychological factors in responsible environmental behavior: Implications for litter prevention strategy in a Nigerian urban city** A.O. Ojedokun, *Adekunle Ajasin University, Nigeria*
[P1.5]	**The effects of human exposure to urban environmental stressors on heart rate variability as an indicator of stress** I. Schnell*[1], I. Tirosh[2], O. Potchter[1], Y. Yaakov[1], Y. Epstein[3], H. Hermesh[4], S. Brenner[5], *[1]Tel Aviv University, Israel, [2]Beney Tzion Hospiatal Haifa, Israel, [3]Heller Institute of Medical Research, Israel, [4]Geha Mental Health Center, Israel, [5]Arava Center for Sustainable Development, Israel*
[P1.6]	**Greenhouse gas precursors detection in emissions from ethanol powered vehicles in Brazil** J.R. Tavares, M.S. Sthel*, M.V. Rocha, G.R. Lima, M.G. Da Silva, H. Vargas, *UENF, Brazil*
[P1.7]	**Study of regionalization of municipal solid waste management in the state of Rio de Janeiro** M. Figueredo*, C. Spinola, F. Rodrigues, *Universidadedo Estadodo Rio de Janeiro, Brazil*
[P1.8]	**Detection of methane emitted from natural gas powered engines using laser photoacoustic spectroscopy.** M.V. Rocha*[1], M.S. Sthel[1], M.G. Silva[1], L.B. Paiva[1], F.W. Pinheiro[1], A. Miklòs[2], *[1]UENF, Brazil, [2]Fraunhofer Institute for Building Physics, Germany*
[P1.9]	**Uncertainty analysis on relationship between pollutants and weather parameters at the urban area** Y.L. Liu*, Y.P. Lin, J.J. Juang, *National Taiwan University, Taiwan*
[P1.10]	**Presence and concentration of herbicide pollutants in urban highway runoff** M. Kayhanian, *University of California, USA*
[P1.11]	**The urban heat island effect and human comfort in the Netherlands using data from hobby meteorologists: Role of vegetation in the city.** G.J. Steeneveld, S. Koopmans, B.G. Heusinkveld, R. Ronda*, L.W.A. Van Hove, A. Holtslag, *Wageningen University, The Netherlands*
[P1.12]	**Tehran Air Quality Index (AQI) during 2000-2009** M. Ahmadi*[1,2], P. Mahmoudi[2], Z. Razavi[2], *[1]Environmental Technology Research Centre, Ahvaz Jondishapur University of Medical Sciences, Iran, [2]Department of Environmental Health Engineering, Ahvaz Jondishapur University of Medical Sciences, Iran*
[P1.13]	**The effect of mercury on trees and their mycorrhizal fungi** S.R. Jean-Philippe*, J.A. Franklin, D.S. Buckley, K. Hughes, *University of Tennessee, USA*
[P1.14]	**Determination of vegetation of Bamu national park in carbon sequestration and mitigating of air pollution in shiraz, Iran** H. Amirnejad*[1], A. Zarandian[2], T. Rousta[1], *[1]Sari Agricultural Sciences and Natural Resources University, Iran, [2]University of Tehran, Iran*
[P1.15]	**A comparative study of noise pollution levels in small and large urban areas** M. Hadzi-Nikolova[1], D. Mirakovski[1], L. S. Ceravolo*[2], E. Ristova[2], Z. Despodov[1], Z. Panov[1], *[1]University Stip, Faculty of Natural and Technical Sciences, Macedonia, [2]University Stip, Faculty of Mechanical Engineering, Macedonia*
[P1.16]	**The catalan economy towards the "20-20-20 european directive": Exogenous income determination in a SAM model** L. Pié Dols*, M. Llop Llop, *Universitat Rovira i Virgili, Spain*

[P1.17]	**Indoor air pollution and socio-cultural context associated with it: A study of peri-urban areas of Ado Ekiti, South Western Nigeria** O.B. Akintan, *University of Nottingham, UK*
[P1.18]	**Assessment of polycyclic aromatic hydrocarbons and selected nitro derivatives in water environment in Egypt** H.F. Nassar*[1,2], T. Kameda[1], A. Toriba[1], K. Hayakawa[1], *[1]Kanazawa University, Japan, [2]National Research Center, Egypt*
[P1.19]	**Sustainable cities inhabitants' exposure: real-time measurement with a mobile network of sensors** F. Pilla*[1], B. Broderick[1], R. Britter[2], *[1]Trinity College Dublin, Ireland, [2]SENSEable City Laboratory, MIT, USA*
[P1.20]	**A GIS model for the inhabitants' exposure to PM10 while commuting to work** F. Pilla*[1], B. Broderick[1], R. Britter[2], *[1]Trinity College Dublin, Ireland, [2]SENSEable City Laboratory, MIT, USA*
[P1.21]	**Lead speciation in a superfund urban soil treated by soluble phosphate** J. Yang[1], F. Eivazi*[1], Y.L. Li[2], *[1]Lincoln University of Missouri, USA, [2]University of Hong Kong, China*
[P1.22]	**Determination of microbial quality and multidrug resistant bacteria in children's playgrounds soils / sands (in public parks) in Adana (Turkey)** S. Aktürk[1], S. Dinçer[1], S. Toroğlu[2,1], A. Arkut*[1], M. Sümengen[1], H. Gholami[1], S. Kamişli[1], *[1]Cukurova University, Turkey, [2]Sütçü Imam University, Turkey*
[P1.23]	**Comparing the sorption and phase distribution of 20% ethanol- and butanol-blended gasoline compounds in the vadose zone** E. Ugwoha*, J.M. Andresen, *University of Nottingham, UK*
[P1.24]	**Measurements of PAH, nitro-PAH and oxy-PAH compounds in airborne particles from an urban area impacted by sugar cane burning emissions** K.F. Souza, E.R. Dias, L.R.F. Carvalho*, *University of São Paulo, Brazil*
[P1.25]	**Filtration system in upstream of BMPs to pretreat stormwater in urban area** M. Kara Khaled, F. Buyle Bodin*, O. Blanpain, J.P. Carlier, *University of Lille1 Sciences and Technologies, France*
[P1.26]	**Leaf characteristics of common oak (Quercus robur L.) are no good bio-indicators for monitoring the ambient NH_3 concentrations** T. Wuytack*[1], K. Verheyen[2], K. Wuyts[2,1], S. Adriaenssens[2], J. Staelens[2], R. Samson[1], *[1]University of Antwerp, Belgium, [2]Ghent University, Belgium*
[P1.27]	**Effects of soil clean - up using lemon grass on the interaction of selected soil minerals with organic pollutants: Management implications** E. Nwaichi*, J. Akabue, E. Onyewuife, *University of Port Harcourt, Nigeria*
[P1.28]	**Simulations of the urban climate at micro-scale** P.J.C. Schrijvers*, H.J.J. Jonker, S. Kenjeres, S.R. De Roode, *TU Delft, The Netherlands*
[P1.29]	**An analysis of air pollution and water effects in differents countries using biplot technique.** R. García-Rubio*, I. Gallego-Álvarez, *University of Salamanca, Spain*
[P1.30]	**Megacities in china's coastal zone: Using a driving force-pressure-state-impact-response framework to address liveability problems** C. Ma*[1], G.Y. Zhang[1], X.C. Zhang[1,2], B. Zhou[1], Y.J. Zhao[1], *[1]Ministry of Transport of China, China, [2]Chinese Academy of Sciences, China*
[P1.31]	**Educational and therapeutic indoor air quality investigation in normal and dust event days in Ahvaz city** G.R. Goudarzi, *Ahvaz Jundishapur University of Medical Sciences, Iran*
[P1.32]	**Association of particulate air pollution and secondhand smoke on endothelium-dependent brachial artery dilation in healthy children** P. Poursafa*[1], R. Kelishadi[2,3], M. Hashemi[2], M. Afshani[2], M. Mansourian[4], *[1]Department of Environment Protection, Isfahan University of Medical Sciences, Iran, [2]School of Medicine, Isfahan University of Medical Sciences, Iran, [3]Pediatrics Department, Isfahan University of Medical Sciences, Iran, [4]Department of Biostatistics, Isfahan University of Medical Sciences, Iran*
[P1.33]	**Urban atmospheric environmental health risk assessment on landscape** X.C. Zhang*[1,2], C. Ma[1], W.P. Chen[2], S.F. Zhan[1], *[1]Ministry of Transport of China, China, [2]Chinese Academy of Sciences, China*
[P1.34]	**Sensitivity and physiological responses of urban tree species to elevated O3 fumigation** S. Xu*, X. He, W. Chen, J. Gao, *Institute of Applied Ecolgy, China*
[P1.35]	**Urban agricultural vegetation plots may not in all cases mitigate pollution and human health problems** S. Thomas, *Dresden University of Technology, Germany*
[P1.36]	**Particle deposition containing metals on vegetation growing around a tailing mine in hidalgo, mexico** A. Sánchez-López*, M.C. González-Chávez, R. Carrillo-González, *Colegio de Postgraduados, Mexico*

[P1.37]	**Modelled and observed ozone urban background concentrations in the metropolitan area of Buenos Aires, Argentina** A.L. Pineda Rojas*[1,2], L.E. Venegas[1,2], *[1]National Scientific and Technological Research Council (CONICET), Argentina, [2]National Technological University, Argentina*
[P1.38]	**On the estimation of non-methane hydrocarbons in urban air based on highly correlated compound pairs** M. De Blas*[1], M.C. Gomez[2], I. Uria[2], M. Navazo[2], E. Sáez de Cámara[2], J. Iza[3], *[1]University College of Technical Mining and Civil Engineering. University of the Basque Country, Spain, [2]School of Engineering, University of the Basque Country, Spain, [3]Faculty of Pharmacy, University of the Basque Country, Spain*
[P1.39]	**The holm oak canopy as interceptor of airborne contaminants and the environmental fate of major and trace elements in an urban ecosystem** F. Fantozzi*, F. Monaci, R. Bargagli, *University of Siena, Italy*
[P1.40]	**Characteristics of urban groundwater qualities in 7 metropolitan cities, Korea** H.M. Choi*, J.Y. Lee, *Kangwon National University, Republic of Korea*
[P1.41]	**The relationship between the exposure to traffic-related air pollutants and risk of airways obstruction.** A.J. Badyda*[1], A.K. Kraszewski[1], W. Lubinski[2], P.O. Czechowski[3], P. Dabrowiecki[2], G. Majewski[4], *[1]Warsaw University of Technology, Poland, [2]Military Institute of Medicine, Poland, [3]Gdynia Maritime University, Poland, [4]Warsaw University of Life Sciences, Poland*
[P1.42]	**Characteristics of indoor airborne fungi during normal and dust event days in Ahvaz city** G.R. Goudarzi[1], *[1]Ahvaz Jundishapur University of Medical Sciences, Iran, [2]Tehran University of Medical Sciences, Iran*
[P1.43]	**The joint short-term effects of air pollution and meteorological conditions on human all-cause mortality in Berlin and Lisbon** K.B. Burkart*[1], K. Scherber[1], M. Langner[1], P. Canário[1,2], M.J. Alcoforado[1,2], W.R. Endlicher[1], *[1]Humboldt-Universität zu Berlin, Germany, [2]Universidade Lisboa, Portugal*
[P1.44]	***Potential* human *health effects* of e*nvironmental factors* at local and European levels: Development of air quality and thermal stress indexes.** P. Sicard*[1], R. Collomp[2], H. Zelle[3], D. Melas[4], V. Costigliola[5], *[1]ACRI-ST, France, [2]Centre Hospitalier Universitaire of Nice, France, [3]BMT ARGOSS, The Netherlands, [4]Aristote University of Thessaloniki, Greece, [5]European Medical Association, Belgium*
[P1.45]	**Arsenic concentration of groundwater with respect to the sediment composition and some groundwater quality parameters in south-western Bangladesh** S. Uddin*, K. Kurosawa, *Kyushu University, Japan*
[P1.46]	**Towards a harmonization of the "bag technique": Trace metal uptake by variously treated biological materials** S. Giordano*[1], P. Adamo[2], V. Spagnuolo[1], M. Tretiach[3], R. Bargagli[4], *[1]Università di Napoli Federico II, DBSF, Italy, [2]Università di Napoli Federico II, DISSPAPA, Italy, [3]Università degli Studi di Trieste, Italy, [4]Università di Siena, Italy*
[P1.47]	**Ten-year record of precipitation chemistry in Chongqing, China: 2000-2009** Q. Lu[1], G. Chen[2,3], F. Yang*[4], K. He[3], *[1]Southwest University, China, [2]Chongqing Environmental Protection Bureau, China, [3]Tsinghua University, China, [4]Graduate University of Chinese Academy of Sciences, China*
[P1.48]	**Mercury pollution of urban soil and colonization of southernmost Brazil** N. Mirlean, *Universidade Federal do Rio Grande, Brazil*
[P1.49]	**Bioremediation of Arsenic by metal tolerance fungi isolated from arsenic contaminated soil of West Bengal India** K.K. Mukherjee, *University of Kalyani, India*
[P1.50]	**The use of urban plants for mapping heavy metal exposure in cities** A. Martín*[1,2], R. Pino[1], M. García[2], E. Navarro[2], C. Español Latorre[1], *[1]Universidad San Jorge, Spain, [2]Instituto Pirenaico de Ecología-CSIC, Spain*
[P1.51]	**Non-Hodgkin lymphoma (NHL) linkage with residence near heavy roads** S. Paz*[1], S. Linn[1,2], B. Portnov[1], M. Barchana[3], *[1]University of Haifa, Israel, [2]Rambam Medical Centre, Israel, [3]Ministry of Health, Israel*
[P1.52]	**Comparison of forest tree species in mitigation of particulate pollutants harmful to human health and surrounding environment** J.V. Räsänen*[1], T. Holopainen[1], J. Joutsensaari[2], P. Pasanen[1], M. Kivimäenpää[1], *[1]Department of Environmental Science, University of Eastern Finland, Finland, [2]Department of Applied Physics, University of Eastern Finland, Finland*
[P1.53]	**Urban-land ecological security evaluation** L.Y. Xu*[1,2], Z.X. Li[1,2], H.M. Song[2,3], *[1]State Key Joint Laboratory of Environmental Simulation and Pollution Control, China, [2]Beijing Normal University, China, [3]China Environmental Science Press, China*
[P1.54]	**Control of the air quality in the autonomous city of Buenos Aires (Argentina) recent regulatory developments** J.C. Villano[1], *[1]University of Buenos Aires, Argentina, [2]British Institute of International and Comparative Law, UK*

[P1.55]	**Risk of tuberculosis in high-rise and high density dwellings: An exploratory spatial analysis** C.T. Low*[1], P.C. Lai[1], P.K. Hui[2], W.C. Wong[3], *[1]The University of Hong Kong, Hong Kong, [2]Department of Pathology, Kwong Wah Hospital, Hong Kong, [3]Department of Orthopaedic and Traumatology, Kwong Wah Hospital, Hong Kong*
[P1.56]	**Scenario analysis of vehicular air pollutants emissions abatement under different policy, a case study of Hangzhou, China** Q.Y. Zhang*, X.X. Li, W.L. Tian, A.Y. Fu, W.F. Du, *Zhejiang University, China*
[P1.57]	**Event-based (large scale synoptic weather patterns) measurements of size segregated aerosols within urban background in Eastern Germany** S. Leise*, F. Zimmermann, J. Matschullat, *Interdisciplinary Environmental Research Center, Germany*
[P1.58]	**Performances of photocatalytic materials in real-life applications** J. Maltby, R. McIntyre, E. Geninazza*, *Cristal Global, UK*
[P1.59]	**Analysis of the impact on air quality of motor vehicle in the urban area of Hangzhou, China** Q.Y. Zhang*, X.W. Wang, W.L. Tian, X.X. Li, S.M. Fang, *Zhejiang University, China*
[P1.60]	**Nitrogen flows in the food chain of the Beijing metropolitan in 1978-2010** L. Ma*[1,3], J.H. Guo[1], G. Velthof[4], W.Q. Ma[2], O. Oenema[3,4], F.S. Zhang[1], *[1]China Agricultural University, China, [2]Agricultural University of Hebei, China, [3]Department of Soil Quality, Wageningen University and Research Centre, The Netherlands, [4]Alterra, Wageningen University and Research Centre, The Netherlands*
[P1.61]	**Characterization of street dust and dusts absorbed on leaves collected in a metro-city: With special reference to size, mineralogy and elemental distribution.** S-S. Ram*[1,5], P. Chaudhuri[2], S. Chanda[3], S.C. Santra[4], R.V. Kumar[5], A. Chakraborty[1], *[1]UGC-DAE CSR, Kolkata Centre, India, [2]University of Calcutta, India, [3]Centre for Study of Man and Environment, India, [4]University Of Kalyani, India, [5]University of Cambridge, UK*
[P1.62]	**Urban green policy and perspectives** P. Lagas*, J. Diederiks, *PBL National Environmental Assessment Agency, The Netherlands*
[P1.63]	**Active moss biomonitoring of trace element distribution in Belgrade canyon streets** M. Anicic*[1], G. Vukovic[2], I. Razumenic[2], Z.I. Goryainova[3], M.V. Frontasyeva[3], M. Tomasevic[1], *[1]Institute of Physics, University of Belgrade, Serbia, [2]The Faculty of Chemistry, University of Belgrade, Serbia, [3]Joint Institute for Nuclear Research, Russia*
[P1.64]	**Propagation of light pollution in urban environment** M. Aubé[1], *[1]Cégep de Sherbrooke, Canada, [2]Université de Sherbrooke, Canada, [3]Centre de Recherche en Astrophysique du Quebec, Canada*
[P1.65]	**A new approach to decompose sf_6, a potent greenhouse gas, by electron-beam irradiation technology** J.Y. Ryu*, C.Y. Choi, J.B. Kim, Y.M. Yoon, *Korea Atomic Energy Research Institute (KAERI), Republic of Korea*
[P1.66]	**Abatement of a toxic nf_3 gas by electron-beam irradiation technology** C.Y. Choi, J.Y. Ryu*, I.H. Jeong, M.J. Lee, J.B. Kim, Y.M. Yoon, *Korea Atomic Energy Research Institute (KAERI), Republic of Korea*
[P1.67]	**Development and application of two sensitive methods for determination of PAH in urban areas** S. Elcoroaristizabal*[1], J.A. García[1], N. Durana[1], L. Lucio[1], J.L. Ilardia[1], J. Iza[2], *[1]School of Engineering, University of the Basque Country, Spain, [2]Faculty of Pharmacy, University of the Basque Country, Spain*
[P1.68]	**Micro-chemical and mineralogical phase analysis of urban dust in Vienna, Austria** S. Pfleiderer*, H. Neinavaie, *Geological Survey of Austria, Austria*
[P1.69]	**Chemical composition of total particulate matter from indoor school environments** N. Canha*[1], M. Almeida-Silva[1], S.M. Almeida[1], M.C. Freitas[1], H.T. Wolterbeek[1], *[1]Instituto Tecnológico e Nuclear, Portugal, [2]Delft University of Technology, The Netherlands*
[P1.70]	**Urban environmental pollution and health problems in onitsha Nigeria** A.C.C. Ezeabasili*, O.L. Anike, *Nnewi North Local Government, Nigeria*
[P1.71]	**Impact of air pollution concentrations by ship emission regulation in the Seto Inland Sea, Japan** A. Kondo*, S. Kokawa, Y. Inoue, *Osaka University, Japan*
[P1.72]	**Atmospheric emissions of lead from anthropogenic sources in China** H.Z. Tian*[1], K. Cheng[1], D. Zhao[1], L. Lu[1], Y. Wang[1,2], W.X. Jia[1], *[1]Beijing Normal University, China, [2]Chinese Academy of Sciences, China*
[P1.73]	**Air quality assessment of Seta Hill in Shiga Prefecture, Japan near a metropolitan area** Y. Ichikawa*, D. Matsushima, T. Kinoshita, M. Inuma, *Ryukoku University, Japan*

[P1.74]	**Urban air quality is strongly influenced by weather type and the north Atlantic oscillation during the winter in Gothenburg, Sweden** M. Grundström*[1], L. Tang[1], M. Hallquist[2], H. Pleijel[1], *[1]Department of Biological and Environmental Sciences, University of Gothenburg, Sweden, [2]Department of Chemistry and Molecular Biology, University of Gothenburg, Sweden*
[P1.75]	**Spatial analysis and mapping of the effect of the socioeconomic deprivation on the association between ambient air NO2 and infant mortality in the Lille metropolitan area, France.** C.M.P. PADILLA*[1,2], S.D. Deguen[1,2], D.Z.N. Zmirou-Navier[1,2], V.M.V. Vieira[4], *[1]EHESP School of Public Health–Rennes, France, [2]INSERM U1085-IRSET – Research Institute of environmental and Occupational Health. Rennes, France, [3]Lorraine University Medical School–Vandoeuvre-les-Nancy, France, [4]Boston University School of Public Health, USA*
[P1.76]	**Health risk prediction induced by polycyclic aromatic hydrocarbons present in respirable urban airbone in Rio de Janeiro (Brazil)** I. Felzenszwalb*[1], C.R. Rainho[1], A.M.A. Velho[1], S.M. Corrêa[1], J.L. Mazzei[1], C.A.F. Aiub[2], *[1]Universidade do Estado do Rio de Janeiro, Brazil, [2]Universidade Federal do Estado do Rio de Janeiro, Brazil*
[P1.77]	**Environmental impact analysis of urban energy systems** N. Papaioannou*, N. Shah, *Imperial College London, UK*
[P1.78]	**Ecosystem services: Removal of particulate matter by trees in an urban park of Rome, Italy** F. Manes*[1], E. Salvatori[1], V. Silli[1,2], G. Incerti[1], C. Ricotta[1], S. Mereu[1], *[1]Sapienza University of Rome, Italy, [2]University of L'Aquila, Italy*
[P1.79]	**Is it possible to quantify the health effects of green space interventions?** D. Schram-Bijkerk, D.A. Houweling, H. Kruize*, *National Institute for Public Health and the Environment, The Netherlands*
[P1.80]	**Time series analysis applied on exposure to cold and daily hospital admissions in Portugal** J. Vasconcelos*[1,2], E. Freire[1], R. Almendra[1], P. Santana[3], *[1]Technical University of Lisbon, Portugal, [2]Polytechnic Institute of Leiria, Portugal, [3]University of Coimbra, Portugal*
[P1.81]	**Social economic inequalities and excess winter hospitalizations due to cardiovascular disease, in Portugal** R. Almendra, E. Freire, J. Vasconcelos*, *Technical University of Lisbon, Portugal*
[P1.82]	**Passive air sampling of polycyclic aromatic hydrocarbons in Puerto Rico** N. Vardar, *Inter American University, Puerto Rico*
[P1.83]	**Heavy metal concentration of PM2.5 in the atmospheric environment of metropolitan zone of Mexico City** O. Morton-Bermea*[1], E. Hernández-Álvarez[1], O. Amador-Muñoz[2], R. Villalobos-Pietrini[2], L. Hernández-Mena[3], M.A. Murillo-Tovar[1], *[1]Instituto de Geofisica, UNAM, Mexico, [2]Centro de Ciencias de la Atmósfera, Mexico, [3]Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco, Mexico, [4]Instituto de Geologia, UASLP, Mexico*
[P1.84]	**Influence of the urban morphology on the noise pollution: Multifractal analysis** A.B. Ariza-Villaverde, P. Pavón-Dominguez, F.J. Jiménez-Hornero, E. Gutierrez de Ravé Agüera*, *University of Cordoba, Spain*
[P1.85]	**Description of urban environment applying multifractal analysis.** A.B. Ariza-Villaverde, P. Pavón-Domínguez, F.J. Jiménez-Hornero, E. Gutiérrez de Ravé Agüera*, *University of Cordoba, Spain*
[P1.86]	**Characterizing the temporal relationships between ground-level ozone and several meteorological variables by using the joint multifractal approach** P. Pavon-Dominguez*, A.B. Ariza-Villaverde, F.J. Jimenez-Hornero, E. Gutierrez de Rave, *University of Cordoba, Spain*
[P1.87]	**Temperature influence on the ozone scaling behaviour in the metropolitan area of Seville** P. Pavon-Dominguez*, A.B. Ariza-Villaverde, F.J. Jimenez-Hornero, E. Gutierrez de Rave, *University of Córdoba, Spain*
[P1.88]	**Soils as indicators of urban pollution: An example from central Italy** P. Adamo*[1], M. Biasioli[2], S. Cocco[3], G. Corti[3], L. Landi[4], B. Pezzarossa[5], *[1]Università di Napoli Federico II, Italy, [2]Università di Torino, Italy, [3]Università Politecnica delle Marche, Italy, [4]Università di Firenze, Italy, [5]CNR, Istituto per lo Studio degli Ecosistemi di Pisa, Italy, [6]JRC–IRMM, Geel, Belgium*
[P1.89]	**Spontaneous revegetation of brownfield soils and sludges: Effect of organic amendments and environmental conditions** I. Coppola[1], R. Motti[2], A. Mingo[2], A. Stinca[2], P. Adamo*[1], *[1]Dipartimento di Scienze del Suolo, Università degli Studi di Napoli Federico II, Italy, [2]Dipartimento di Arboricoltura, Università degli Studi di Napoli Federico II, Italy*

[P1.90]	**Monitoring of trace elements and PAHs: a combined approach using native bioaccumulators (holm oak leaves and mosses) to detect pollution gradients** F. De Nicola*[1], A. Alfani[2], D. Baldantoni[2], R. Bargagli[3], F. Monaci[3], L. Sessa[2], *[1]Dip. Scienze per la Biologia, Università degli Studi del Sannio, Italy, [2]Dip. Chimica e Biologia, Università degli Studi di Salerno, Italy, [3]Università degli Studi di Siena, Italy, [4]Università degli Studi di Napoli Federico II, Italy*
[P1.91]	**Observance of environmental sustainability indicators in the revitalization of brownfields to solve problems with urban pollution in the case of Slovenia** M. Kokot Krajnc*, A. Vovk Korže, *University of Maribor, Slovenia*
[P1.92]	**The derivation of function specific groundwater screening values for the management of urban groundwater** P.F. Otte*, F.A. Swartjes, *The National Institute for Public Health and the Environment, The Netherlands*
[P1.93]	**Biomonitoring of genotoxic potential of air pollutants in the complex urban area of Dunkerque using brassica oleracea** D. Cuny*[1], M.A. Cuny[1], *[1]Laboratoire des Sciences Végétales et Fongiques, France, [2]Association pour la Prévention de la Pollution Atmosphérique Comité Nord-Pas de Calais, France*
[P1.94]	**Contribution of traffic emissions to indoor air of Portuguese pre-schools** K. Slezakova*[1,2], M. Oliveira[1,2], C. Delerue–Matos[2], S. Morais[2], M.C. Pereira[1], *[1]Universidade do Porto, Portugal, [2]Instituto Superior de Engenharia do Porto, Portugal*
[P1.95]	**Economic assessment of CO_2 emissions savings associated with the use of biodiesel for transportation. The case of Spain.** J.M. Cansino*, J.M. González, M.T. Sanz, R. Yñiguez, *University of Sevilla, Spain*
[P1.96]	**Quantitative estimates and spatial distribution of anthropogenic lead in street dusts from different urban environments in a mega-city** X. Hu*[1], Y. Zhang[2], Z.H. Ding[2], H.Z. Lian[1], *[1]Nanjing University, China, [2]Nanjing University of Technology, China*
[P1.97]	**Study on toxicity of *vibro fisheri* of runoff waters from airport** Z. Polkowska*, L. Wolska, A. Sulej, J. Namiesnik, *Gdansk University of Technology, Poland*
[P1.98]	**Polycyclic aromatic hydrocarbons in residential houses situated in urban area: Indoor versus outdoor concentrations and associated health risks** K. Slezakova*[1,2], D. Castro[1,2], C. Delerue–Matos[2], M.C. Alvim–Ferraz[1], S. Morais[2], M.C. Pereira[1], *[1]Universidade do Porto, Portugal, [2]Instituto Superior de Engenharia do Porto, Portugal*
[P1.99]	**Caracterization of particulate matter from urban air pollution in Salvador, Bahia, Brazil** N.A. Vianna[1], O. Malm[2], P.H.N. Saldiva*[1], L.R. Andrade[2], *[1]University of Sao Paulo, Brazil, [2]Federal University of Rio de Janeiro, Brazil*
[P1.100]	**Stress effects of air particle pollution on roadside trees - a case study in Xiamen City, China** Y.F. Huang[3], Y.X. Yu[1,2], S.H. Cui*[1,2], *[1]Chinese Academy of Sciences, China, [2]Xiamen Key Lab of Urban Metabolism, China, [3]Jimei University, China*
[P1.101]	**Characterization and investigation of aldehyde distribution in cooking oil fumes** C.Y. Peng*, S.L. Hsiao, Y.C. Kuo, *Kaohsiung Medical University, Taiwan*
[P1.102]	**Biomonitoring of genotoxic potential of atmospheric particles from road traffic using lolium multiflorum transplants** M.A. Cuny*[1], D. Cuny[2], *[1]Association Pour la Prévention de la Pollution Atmosphérique Comité Nord-Pas de Calais, France, [2]Laboratoire des Sciences Végétales et Fongiques, France*
[P1.103]	**Nature and sources of particle associated polycyclic aromatic hydrocarbons (PAH) in the atmospheric environment of an urban area** M.S. Callén*, J.M. López, A.M. Mastral, *Instituto de Carboquimica (ICB-CSIC), Spain*
[P1.104]	**Effect of temperature on n_2o emission during the denitrification of wastewater treatment: From the aspects of nosz gene transcription and kinetics** X.J. Wang*, S.H. Chen, X.R. Yang, Z.J. Zhang, *Chinese Academy of Sciences, China*
[P1.105]	**Scenarios for renewable energy development and its co-benefit in Beijing** Y. Wang*, X.L. Zhang, *Tsinghua University, China*
[P1.106]	**A model for determination of pollutant levels using historical data** J. Bzdak*[1], M. Sowiński[2], B. Słowiński[1,2], M. Lasiewicz[2], M. Kośla[2], *[1]Warsaw University of Technology, Poland, [2]National Centre for Nuclear Research, Poland*
[P1.107]	**The urban system of air pollution forecasting changes of particulate matter PM10 / PM2.5 concentration** M. Lasiewicz*[2], M. Sowiński[2], B. Słowiński[1,2], J. Bzdak[1], M. Kośla[2], *[1]Warsaw University of Technology, Poland, [2]National Centre for Nuclear Research, Poland*

[P1.108]	**Daylight and energy performance for high-rise office buildings in Shanghai** R. Shan, *University of Michigan, USA*
[P1.109]	**Traffic-related resuspension of fine particulate in urban areas: Effect of vehicles' motion and asphalt characteristics** A. Agosti*, F. Borgonovi, A. Ballarin Denti, *Università Cattolica del Sacro Cuore, Italy*
[P1.110]	**Assessment of air pollution episodes over Barcelona and Madrid greater areas (Spain) and results from improvement measures** J.M. Baldasano*[1,2], M. Pay[1], S. Gasso[1,2], *[1]BSC-CNS, Spain, [2]UPC, Spain*
[P1.111]	**Occurrence of antibiotics in a typical urban river supplemented by reclaimed water** J. Xu*, Y. Zhang, Y.M. Wei, C.S. Guo, L. Li, *Chinese Research Academy of Environmental Sciences, China*
[P1.112]	**Trend of polycyclic aromatic hydrocarbon concentrations in leaves and soils of the urban area of Naples (Italy)** F. De Nicola*[1], A. Alfani[2], G. Maisto[3], *[1]Dip. Scienze per la Biologia, Università degli Studi del Sannio, Italy, [2]Dip. Chimica e Biologia, Università degli Studi di Salerno, Italy, [3]Università degli Studi di Napoli Federico II, Italy*
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Poster Session 2	
[P2.1]	**Solid waste management using human health risk analysis** O. Paladino*[1], M. Massabo[2], F. Fissore[1], *[1]University of Genoa, Italy, [2]CIMA Research Foundation, Italy*
[P2.2]	**Emissions, exposures and impacts of hexabromocyclododecane (HBCDD) a flame retardant used in building insulation** A.A. Jensen*[1], A. Bergman[2], *[1]NIPSECT, Denmark, [2]Stockholm University, Sweden*
[P2.3]	**Healing urban landscapes: Phytoremediation in post-industrial urban design** P.A.W. Theuws, M. Wilschut*, *Wageningen University, The Netherlands*
[P2.4]	**Bioindication of airborne organic pollutants in Wrocław (Poland)** K. Piekarska*, A. Trusz-Zdybek, S. Klessen, *Wrocław University of Technology, Poland*
[P2.5]	**Spatial distribution assessment of particulate matter inside a street canyon using biomagnetic monitoring** J. Hofman*, I. Stokkaer, L. Snauwaert, R. Samson, *University of Antwerp, Belgium*
[P2.6]	**The effects of air pollution on children's health: A revision of the suitable methods for its economic valuation.** J.M. González Limón, R. Román Collado*, M. Pablo-Romero, *University of Seville, Spain*
[P2.7]	**Real-time adaptive air quality management in cities: a comparison of results of (sensor) measurement-based decision making to more generic decision rules** S. Van den Elshout*, R. Molenaar, B. Wester, *DCMR Environmental Protection Agency Rijnmond, The Netherlands*
[P2.8]	**Analysis of vehicle emissions to the particulate matter concentrations in Sao Paulo city - Brazil.** B.S. Oyama*, M.F. Andrade, *University of Sao Paulo, Brazil*
[P2.9]	**The presence of drug-resistant microorganisms in the Wroclaw (Poland) water supply system** K. Piekarska, A. Trusz-Zdybek*, M. Leginowicz, *Wrocław University of Technology, Poland*
[P2.10]	**Exploring citizen` attitudes on urban air pollution management and its impact on quality of life and livability in Southeast Asian Megacities - A case study in Jakarta and Hanoi** S.B. Nugroho*, A. Fujiwara, J. Zhang, *Hiroshima University, Japan*
[P2.11]	**Exploring variation of annual concentration of SO_2, PM_{10} and NO_2 in urban areas in Indonesia: A multilevel analysis** S.B. Nugroho*, A. Fujiwara, J. Zhang, *Hiroshima University, Japan*
[P2.12]	**The capacity of canopy to clean air pollutants from different tree species in plains afforestation** C.Y. Wu*, C.P. Liu, *National Chung Hsing University, Taiwan*
[P2.13]	**On the role of vegetation in mitigating noise pollution** J.P. Arenas*[1], J. Alba[2], R. Del Rey[2], J. Ramis[3], *[1]Univ. Austral of Chile, Chile, [2]Univ. Politecnica de Valencia, Spain, [3]Univ. de Alicante, Spain*
[P2.14]	**Impact of light pollution in the sleeping environment of college students** J. Roby, *Cegep de Sherbrooke, Canada*
[P2.15]	**Water retentive pavement using hydrophobic sand** Y.W. Wakita*[1], O.Y. Yamada[1], A.T. Taomoto[1], S.J. John[1], N.M. Mino[1], A.K. Kondo[2], *[1]Panasonic Corporation, Japan, [2]Osaka University, Japan*
[P2.16]	**Improving estimates of air pollution exposure through ubiquitous sensing technologies** A. De Nazelle[1], E. Seto[2], D. Donaire[1], D. Rodriguez[3], M. Nieuwenhuijsen*[1], M. Jerrett[2], *[1]Centre for Research in Environmental Epidemiology (CREAL, Spain, [2]University of California, USA, [3]University of North Carolina at Chapel Hill, USA*

[P2.17]	**Impact of the meteorology conditions on the particulate matter dispersion from an industrial complex into urban and suburban areas** M.L. Dinis*[1], J. Góis[1], A. Fiúza[1], J.S. De Carvalho[1], A.C.M. Castro[1,2], *[1]Porto University, Portugal, [2]School of Engineering Polytechnic of Porto (ISEP), Portugal*
[P2.18]	**Anthropogenic heat release and urban heat island effects in Rotterdam, the Netherlands** R.J. Ronda*, G.J. Steeneveld, L.W.A. Van Hove, A.A.M. Holtslag, *Wageningen University, The Netherlands*
[P2.19]	**Human exposure to FTOH via house dust** Z.L. Xu*[1,2], G. Pfister[1], B. Henkelmann[1], W. Völkel[3], F. Fromme[3], K.W. Schramm[1,2], *[1]Helmholtz Centre Munich, Germany, [2]Technische Universität München, Germany, [3]Bavarian Health and Food Safety Authority, Germany*
[P2.20]	**Fluoride content in tap water samples from Malbork city, Poland** M. Diduch, Z. Polkowska*, J. Namiesnik, *Gdansk University of Technology, Poland*
[P2.21]	**Benzo(a)pyrene in ambient air of Novi Sad (Serbia)** L. Torovic*[1,2], S. Bijelovic[1,2], B. Mihajlovic[1], S. Bobic[1], *[1]Institute of Public Health of Vojvodina, Serbia, [2]Faculty of Medicine University of Novi Sad, Serbia*
[P2.22]	**Benzene and naphthalene as key gas markers in source apportionment of industrial sources in an urban atmosphere over complex terrain** I. Uria*[1], M.C. Gómez[1], M. Navazo[1], N. Durana[1], G. Gangoiti[1], M. de Blas[2], *[1]School of Engineering, University of the Basque Country, Spain, [2]University College of Technical Mining and Civil Engineering, University of the Basque Country, Spain*
[P2.23]	**Benzene, toluene, ethylbenzene and xylenes in ambient air of Novi Sad (Serbia)** L. Torovic[1,2], B. Mihajlovic*[1], S. Bijelovic[1,2], *[1]Institute of Public Health of Vojvodina, Serbia, [2]Faculty of medicine University of Novi Sad, Serbia*
[P2.24]	**Indoor air at urban nurseries** S.I.V. Sousa*, M.C.M. Alvim-Ferraz, F.G. Martins, *University of Porto, Portugal*
[P2.25]	**Risk assessment for potentially toxic elements in urban settings: Chemical reactivity as the central concept** S.M. Rodrigues[1], N. Cruz[1], C. Coelho[1], B. Henriques[1], E. Pereira[1], P.F.A.M. Römkens*[2], *[1]Universidade de Aveiro, Portugal, [2]Alterra – Wageningen University and Research Center, The Netherlands*
[P2.26]	**Assessment of maternal and prenatal exposure to organochlorine pesticides in South Portugal** B. Lopes*[1], J.P. Arrebola[2], A. Serafim[1], R. Company[1], N. Olea[2], *[1]Universidade do Algarve, Portugal, [2]Univeridad de Granada, Spain*
[P2.27]	**Excessive traffic noise in residential areas. case studies in Warsaw, Poland.** A. Gayer*, A.J. Badyda, *Warsaw University of Technology, Poland*
[P2.28]	**Penetration of inhaled DEP (Diesel Exhaust Particles) into the airways** A.B. Penconek*, A. Moskal, *Warsaw University of Technology, Poland*
[P2.29]	**Integrated measures for air pollution reduction in the province of milan** M. Chiesa*[1], M.G. Perrone[2], N. Cusumano[3], A. Ballarin Denti[1], E. Bolzacchini[2], A. Lorenzoni[3], *[1]Università Cattolica del Sacro Cuore, Italy, [2]Università di Milano Bicocca, Italy, [3]Università Bocconi, Italy*
[P2.30]	**On one molecular-kinetic complex model of hazardous substances distribution for multi-layered computation domain of sophisticated configuration taking into account the wind field and urban area development** S.E. Guseynov*[1,2], J.V. Aleksejeva[1,3], A.V. Berezhnoy[1,4], S.G. Bagirov[5], B.L. Rezvy[1], *[1]University of Liepaja, Latvia, [2]Transport and Telecommunication Institute, Latvia, [3]Latvian Biomedical Research and Study Centre, Latvia, [4]Riga Technical University, Latvia, [5]Baku State University, Azerbaijan*
[P2.31]	**Development and investigation of complex mathematical models for analysis, evaluation and prediction of urban environment (by taking Latvia as an example)** S.E. Guseynov*[1,3], A.V. Berezhnoy[1,2], J.V. Aleksejeva[1,4], S.G. Bagirov[5], B.L. Rezvy[1], *[1]University of Liepaja, Latvia, [2]Riga Technical University, Latvia, [3]Transport and Telecommunication Institute, Latvia, [4]Latvian Biomedical Research and Study Centre, Latvia, [5]Baku State University, Azerbaijan*
[P2.32]	**Development of an electronic nose for the detection and classification of odorous pollutants in urban areas** L. Dentoni*[1], L. Capelli[1], S. Sironi[1], R. Del Rosso[1], M. Della Torre[2], F. Demattè[2], *[1]Politecnico di Milano, Italy, [2]Sacmi s.c.a.r.l., Italy*
[P2.33]	**Characterization and source of PAH in an urban lake in Mexico** V. Mugica[1], M. Torres[1], M. Gutierrez[1], Y. Carreón[1], K. Landeros*[2], *[1]Universidad Autonoma Metropolitana-Azcapotzalco, Mexico, [2]Universidad Nacional Autónoma de México, Mexico*
[P2.34]	**The determination of atmospheric CO_2 by a passive sampling device** A. Proto, R. Cucciniello, C. Ardovino, O. Motta*, *University of Salerno, Italy*

[P2.35]	**Contribution of motorbikes to atmospheric polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in urban area of Vietnam** C.T. Pham*[1], T. Kameda[2], A. Toriba[2], N. Tang[2], K. Haykawa[2], *[1]Kanazawa University, Japan, [2]Institute of Medical, Pharmaceutical and Health Science, Japan*
[P2.36]	**Composition characteristics and source identification of organic pollutants(ops) and heavy metals in surface sediments of Tan-jiang river, Guangdong, China** J.S. Cai[1], H.T. Liu[1,2], X.W. Wang[1], L. Lin*[1], T.G. Luan[1], *[1]Southern Medical University, China, [2]Sun Yat-Sen University, China*
[P2.37]	**Quantification of diffuse sources of PM10 by means of a simple low-cost optical technique** E.P. Weijers, A. Hensen, R. Rodink*, R. Otjes, G.P.A. Kos, *Energy Research Centre of the Netherlands, The Netherlands*
[P2.38]	**Scavenging of manganese in an urban area close to a ferro-manganese alloy plant** M. Puente*, I. Fernandez-Olmo, A. Irabien, *Universidad de Cantabria, Spain*
[P2.39]	**Cadmium in maternal blood, umbilical cord blood and placenta of women from South of Portugal** A. Serafim*[1], R. Company[1], B. Lopes[1], J. Rosa[2], A. Ferreira[1], G. Castela[3], *[1]University of Algarve - CIMA, Portugal, [2]Hospital of Faro, Portugal, [3]University of Algarve - Faculty of Economy, Portugal, [4]San Cecilio University Hospital, Spain*
[P2.40]	**French policy on prohibition of burning green wastes in ambient air: Towards new practices** N. Michelot, *Ministry of the Environment, France*
[P2.41]	**Spatial surrogates for the disaggregation of emission inventories inside the urban area** S. Marinello*[1], M. Andretta[1], S. Righi[1], P. Lucialli[2], E. Pollini[2], *[1]Università di Bologna, Italy, [2]ARPA Emilia-Romagna (Regional Agency for Prevention and Environment), Italy*
[P2.42]	**Pollution risk of cities under the industry transfer in China** Q.O. Jiang*[1,3], X.Z. Deng[1,2], *[1]Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China, [2]Graduate University of the Chinese Academy of Sciences, China, [3]Centre for Chinese Agricultural Policy, Chinese Academy of Sciences, China*
[P2.43]	**Airmontech: Current and future air pollution monitoring techologies for urban areas** E.P. Weijers*, T.A.J. Kuhlbusch, AirMonTech Consortium, *Energy Research Centre of the Netherlands, The Netherlands*
[P2.44]	**Microscale spatial and temporal variability in black carbon and carbon dioxide concentrations in the vicinity of road traffic management infrastructure** R.J. North[1], D.I. Williams*[1], J. Gulliver[2], *[1]Centre for Transport Studies, Imperial College London, UK, [2]Department of Epidemiology and Biostatistics, Imperial College London, UK*
[P2.45]	**Air quality study over a typical Mediterranean urban site in Spain.** S. Segura*[1], V. Estellés[1,2], M.P. Utrillas[1], J.A. Martínez-Lozano[1], *[1]Universidad de Valencia, Spain, [2]Universidad de La Laguna (Tenerife), Spain*
[P2.46]	**Methodology for mapping air quality in urban environments** J. Peters, N. Bleux, M. Van Poppel*, *VITO, Belgium*
[P2.47]	**Oral bioaccessibility estimates of lead in ground-level dusts from recreational areas of lisbon city, portugal, to assess human exposure pathways** A.P. Reis*[1], C. Patinha[1], A.C. Dias[1], S. Bartolomeu[2], E. Silva[1], A.J. Sousa[3], *[1]GEOBIOTEC, University of Aveiro, Campus de Santiago, Portugal, [2]Physics Department, University of Aveiro, Portugal, [3]CERENA, Technical Superior Institute, Portugal, [4]LNEG, Estrada da Portela, Portugal, [5]Jardim Botânico – MNHN, Portugal*
[P2.48]	**Organic micro pollutant profiles from urban, industrial and rural soils and sediments in South Africa** C. Roos[1], L. Quinn[2], R. Pieters[1], H. Kylin[3], H. Bouwman*[1], *[1]North-West University, South Africa, [2]National Metrology Institute of South Africa, South Africa, [3]University of Linköping, Sweden*
[P2.49]	**High resolution urban simulations with WRF/UCM and CMAQ over european cities** R. San Jose*[1], J.L. Perez[1], E. Magliulo[2], N. Crysoulakis[3], *[1]Technical University of Madrid (UPM), Spain, [2]CNR ISAFOM, Italy, [3]FORTH, Greece*
[P2.50]	**BAP (PAH) air quality modelling exercise over Zaragoza (Spain) using an adapted version of WRF-CMAQ model** R. San Jose*[1], J.L. Perez[1], M. Callen[2], J.M. Lopez[2], A. Mastral[2], *[1]Echnical University of Madrid (UPM), Spain, [2]ICB-CSIC, Spain*
[P2.51]	**Green oriented urban development for urban ecosystem services provision in a medium sized city in southern Italy** P. La Greca, D. La Rosa, F. Martinico*, R. Privitera, *University of Catania, Italy*
[P2.52]	**Dry deposition modelling of air pollutants over urban areas** N. Cherin*, Y. Roustan, C. Seigneur, L. Musson Genon, *CEREA, Joint Laboratory Ecole des Ponts ParisTech / EDF R&D, France*

[P2.53]	**Fine particles from diesel vehicles on road in Santiago, Chile** M.M. Préndez*[1], A. Punta[2], J.D. Sepúlveda[3], *[1]Universidad de Chile, Chile, [2]Universidad Nacional de Cuyo, Argentina, [3]Universidad Autónoma Metropolitana, Mexico*
[P2.54]	**Air quality modeling: Effect of emission reductions on concentrations of particulate matter** L. Girault*, Y. Roustan, C. Seigneur, *ENPC - CEREA, France*
[P2.55]	**Site-specificity of Zn, Cu and ni bioaccessible fractions in the urban soils of Lisbon, Portugal** C. Patinha*, A.P. Reis, A.C. Dias, E. Ferreira da Silva, *University of Aveiro, Campus de Santiago, Portugal*
[P2.56]	**The healthy design guide- a tool for professionals to create a healthy, liveable environment** H. Kruize*[1], A. Van Overveld[2], M. Knops[3], *[1]RIVM, The Netherlands, [2]RIVM, The Netherlands, [3]Ministry of Infrastructure and the Environment, The Netherlands*
[P2.57]	**Microplastics - an emerging pollutant in municipal wastewater treatment plants** H.A. Leslie*[1], J. De Boer[1], A.D. Vethaak[1,2], *[1]VU University Amsterdam, The Netherlands, [2]Deltares, The Netherlands*
[P2.58]	**Factor emissions from urban trees present in Santiago, Metropolitan region of Chile** V. Carvajal, K. Corada, M.M. Préndez*, *Universidad de Chile, Chile*
[P2.59]	**Monitoring of volatile organic compounds in Modugno (southern Italy)** M. Amodio[2], G. De Gennaro[1,2], A. Marzocca[1], T. Livia[2], T. Maria*[1], *[1]University, Italy, [2]LEnviroS, Italy*
[P2.60]	**Health risks from inhaled particle-associated PAH from sugar cane crops burn in araraquara-SP, Brazil** M.M. Veras[1,2], N.S.X. Costa[1], G. Ribeiro Junior[1], P.H.N. Saldiva*[1], *[1]University of Sao Paulo, Brazil, [2]INARA- Instituto Nacional de Análise Integrada de Risco Ambiental, Brazil*
[P2.61]	**Noise exposure and spatial clustering of infant mortality rate - Lyon metropolitan area - France** W. Kihal[1], C. Padilla*[1,2], B. Lalloué[1,2], D. Zmirou-Navier[1,2], S. Deguen[1,3], *[1]EHESP School of Public Health, France, [2]Research Institute of Environmental and Occupational Health, France, [3]Lorraine University Medical School, France*
[P2.62]	**Methane emissions from urban light duty vehicles** V. Borsari*[1,2], J.V. De Assuncao[2], *[1]CETESB - Environmental Company of the State of Sao Paulo, Brazil, [2]University of Sao Paulo, Brazil*
[P2.63]	**El nino – southern oscillation strongly influences air quality in Bogota, Colombia.** M. Grundström*[1], J. Bonilla[2], J. Coria[2], H. Pleijel[1], *[1]University of Gothenburg, Department of Biological and Environmental Sciences, Sweden, [2]University of Gothenburg, Department of Economics and Statistics, Sweden*
[P2.64]	**Low cost gas sensors and pattern recognition for measuring urban air quality** M. Reggente[1,2], E. Bart[1], D. Botteldooren[2], J. Theunis*[1], *[1]Flemish Institute for Technological Research, Belgium, [2]Ghent University, Belgium*
[P2.65]	**Environmental and economic benefits of vehicle inspection and maintenance program for diesel vehicles in São Paulo city, Brazil** P.A. André[1,2], M.M. Veras[1,2], G. Branco[1,2], F.C. Branco[1,2], P.H.N. Saldiva*[1,2], *[1]University of Sao Paulo, Brazil, [2]INAIRA- Instituto Nacional de Avaliação de Risco Ambiental, Brazil*
[P2.66]	**The potential of community-based monitoring for urban air quality** J. Theunis*[1], B. Elen[1], M. Reggente[1,2], S. Ingarra[3], A. Molino[4], *[1]VITO, Belgium, [2]Ghent University, Belgium, [3]Istituto per l'Interscambio Scientifico, Italy, [4]CSP - Innovazione nelle ICT s.c. a r.l., Italy*
[P2.67]	**Regional and local contributions to some organic and inorganic components of particulate matter at a coastal urban agglomeration (Santander, Northern Spain).** A. Arruti, I. Fernandez-Olmo*, A. Irabien, *Universidad de Cantabria, Spain*
[P2.68]	**Mobile measurements of PM mass and number concentrations and black carbon in the greater Athens area** E. Diapouli[1], S. Vratolis[1], V. Vasilatou*[1], M. Gini[1], A. Tsakis[2], L. Chasapidis[2], F. Akritidis[2], A. Konstantopoulos[2], K. Eleftheriadis[1], *[1]National Centre of Scientific Research "Demokritos", Greece, [2]Centre for Research & Technology Hellas, Greece*
[P2.69]	**Biomimetic approach to urban personal rapid transit (PRT) network design** M. Maiorano*, M. Glaus, R. Hausler, *École de Technologie Supérieure, Canada*
[P2.70]	**Short-term effects of black carbon particles on daily mortality in the city of Barcelona** A. Tobías*[1], C. Reche[1], J. Pey[1], P. García de Olalla[2], J.A. Caylà[2], X. Querol[1], *[1]Institute of Environmental Assessment and Water Research (IDAEA- CSIC), Spain, [2]Public Health Agency of Barcelona (ASPB), Spain*
[P2.71]	**Biomimetic approach for the rehabilitation of wastewater treatment plant** R. Hausler, L. Abdat*, E. Blackburn, M. Glaus, *École de Technologie Supérieure, Canada*
[P2.72]	**The effects of increasing rate of urbanization on air pollution in Iran** M. Moghadas*, P. Salehi, *University of Tehran, Iran*
[P2.73]	**Biodiesel unregulated emissions profile in modern diesel vehicles** E.B. Bakeas, *National and Kapodistrian University of Athens, Greece*

[P2.74]	**Pharmaceutical residue levels in river Garonne: Upstream and local intake** Y. Aminot*, P. Pardon, H. Budzinski, *University Bordeaux 1, France*
[P2.75]	**Methane emission potential form landfill sites of solid waste in Iran** M. Farzadkia*[1], M. Karimaee[2], M.A. Karami[2], M.M. Emamjomeh[2], *[1]Tehran University of Medical Sciences, Iran, [2]Qazvin University of Medical Sciences, Iran*
[P2.76]	**The impact of land use changes for functioning and sustainability of the soil-water system** M. Mesman*[1], P.F. Otte[1], M. De Cleen[2], *[1]RIVM, The Netherlands, [2]Ministry of Infrastructure and the Environment, The Netherlands*
[P2.77]	**Conservation subdivision, riparian vegetation and stormwater source control for healthy waterways and recreation opportunities in northern New Zealand** M.R. Van Roon, *University of Auckland, New Zealand*
[P2.78]	**Urban mobility and air pollution: A psychosocial approach** K. Landeros-Mugica*, J. Urbina-Soria, *UNAM, Mexico*
[P2.79]	**Comparison of PM10 results using ISCST3 and AERMOD models** D.L. Tobos*, N.Y. Rojas, *Universidad Nacional de Colombia, Colombia*
[P2.80]	**Investigating the underlying trends in Nitrogen dioxide levels in UK cities** M.C. Bell*, F. Galatioto, A. Chakravartty, *Newcastle University, UK*
[P2.81]	**Source apportionment of size segregated aerosol in Prague winter 2010 based on highly-time resolved aerosol elemental composition** J. Hovorka*, P. Pokorna, A. Baranova, *Charles University in Prague, Czech Republic*
[P2.82]	**Heavy metals in urban agriculture: A question of public health or a question of assessment?** F. Miguens*, D. Santos, M. Malta, C. Dias-Ferreira, *ESAC-IPC, Portugal*
[P2.83]	**Evaluation of environmental quality in the klang valley** A.C. Er, *Universiti Kebangsaan Malaysia, Malaysia*
[P2.84]	**Environmental role of river-dam system in the industrial-urban-rural municipality of Puebla, Mexico** P.F. Rodriguez-Espinosa*[1], S.S. Morales-Garcia[1,2], M.P. Jonathan[1], *[1]CIIEMAD-IPN, Mexico, [2]ESIQIE-IPN, Mexico*
[P2.85]	**Methodological issues for developing a strategic plan for sustainable development in a territory; the case of valsequillo, Puebla** M. Pensado, P.F. Rodriguez-Espinosa*, *CIIEMAD-IPN, Mexico*
[P2.86]	**Study of the transfer of pollution from an urban-industrial area (Puebla) to rural (Valsequillo) employing metals (associations) as tracers.** S.S. Morales-Garcia[1,2], P.F. Rodriguez-Espinosa*[1], M.P. Jonathan[1], *[1]CIIEMAD - IPN, Mexico, [2]ESIQIE - IPN, Mexico*
[P2.87]	**Characteristics and chemical extinction of $PM_{2.5}$ in urban Suzhou, China, during 2011 Summer period** X. Li*[1], F. Yang[2], Q. Zou[3], R. Zhang[3], K. He[4], Y. Ma[4], *[1]Beihan University, China, [2]Graduate University of Chinese Academy of Sciences, China, [3]Suzhou Environmental Monitoring Center, China, [4]Tsinghua University, China*
[P2.88]	**An analysis of particulate matter severe air pollution events in Polish urban areas using source apportionment methodology** M. Reizer*[1], K. Juda-Rezler[1], J.P. Oudinet[2], *[1]Warsaw University of Technology, Poland, [2]Université Paris IV Sorbonne, France*
[P2.89]	**Spatial distribution of the phenological phases in urban area in Japan** A. Murakami, *University of Tsukuba, Japan*
[P2.90]	**Positive health effects of the natural outdoor environment in typical populations in different regions in europe (phenotype) project** M.J. Nieuwenhuijsen*[1], C. Gidlow[1], H. Kruize[2], R. Grazuleviciene[3], J. Maas[4], P.J. Van den Hazel[5], D. Seto[6], *[1]CREAL, Spain, [2]RIVM, The Netherlands, [3]Vytauto Didziojo Universitetas, Lithuania, [4]VUMC, The Netherlands, [5]HGM, The Netherlands, [6]University of California Berkeley, USA*
[P2.91]	**Comparison of diurnal profiles of atmospheric polycyclic aromatic hydrocarbons in large cities of tropical countries: Thailand, Bangladesh and Colombia** T. Hoshiko*[1], K. Yamamoto[1], F. Nakajima[1], T. Prueksasit[2], K. Yamashita[1], M. Rahman[3], J. Pachon[4], H. Sarmientos[4], F. Molina[5], C. Riveros[5], *[1]The University of Tokyo, Japan, [2]Chulalongkorn University, Thailand, [3]Bangladesh University of Engineering and Technology, Bangladesh, [4]University of La Salle, Colombia, [5]University of Antioquia, Colombia*
[P2.92]	**Environmental endocrine disrupters and endocrine disruption in aquatic and terrestrial wildlife from an urban nature reserve in South Africa** M.S. Bornman*, H. Bouwman, *University of Pretoria, South Africa*
[P2.93]	**Integrated floood management(IFM)for Makurdi Town:A viable developemnt policy option and issues** J.A. Aper, I.D. Mngutyo*, *Benue State University, Nigeria*

[P2.94]	**Interrelationship between Chennai's urban environment and climate change - a case study** P. Singh*, R. Nagendran, *Anna University, India*
[P2.95]	**Analysis of the relation between Arsenic spatial dispersion and Respiratory diseases from the viewpoints of medical geography (case study: Isfahan province, Iran)** M. Rashidi*[1], H. Gharib[1], *[1]Isfahan University, Iran, [2]Iran Space Agency, Iran*
[P2.96]	**Environmental air pollution monitoring and measurement using wireless sensor networks** C.M. Ani*[1], M. Lampe[2], P. Zong[1], *[1]Nanjing University of Aeronautics and Astronautics, China, [2]GTF Wireless Communications, Corporate Technology, Siemens Ltd., China*
[P2.97]	**Autochthonous formation of sediments in two artificial lakes of Mexico City: Implications of biotic components in heavy metal accumulation** A. Vega-López*, E. García-Latorre, M.L. Domínguéz-López, *Laboratorio de Toxicología Ambiental, Mexico*
[P2.98]	**Non-native plants invade wetlands in a city of sub-saharan Africa** J. Bigirimana*[1], J. Bogaert[1,2], C. De Cannière[1,3], M.J. Bigendako[1,4], J. Lejoly[1,5], I. Parmentier[1,6], *[1]Université Libre de Bruxelles, Belgium, [2]University of Liege, Brazil, [3]Université Libre de Bruxelles, Belgium, [4]Université du Burundi, Burundi, [5]Université Libre de Bruxelles, Research group of Landscape Ecology and Plant Production Systems CP 169, Belgium, [6]Université Libre de Bruxelles, Evolutionary Biology and Ecology, Belgium*
[P2.99]	**Bioaccumulation of nutrient and heavy metals in two medicinal plants: Calotropis procera Aiton(R.Br) and Citrullus colocynthis(L.) Schrad. and their potential use as contamination indicators** M.N. Alyemeni*[1], H. Sher[2], M.A. El-Sheikh[1], E.M. Eid[3], *[1]King Saud University, Saudi Arabia, [2]Center of Botany Research, Pakistan, [3]Tanta University, Egypt*
[P2.100]	**Management of contamination in urban drinking water distribution systems using scada and modelling: Case study of antalya city - turkey** H. Muhammetoglu[1], I.E. Karadirek[1], A. Muhammetoglu*[1], S. Soyupak[1], M. Kitis[2], K. Cengiz[3], *[1]Akdeniz University, Turkey, [2]Suleyman Demirel University, Turkey, [3]Antalya Water and WastewaterAdministration, Turkey*
[P2.101]	**Sensitive harmonic detection of ammonia trace using a wavelength modulated DFB diode laser based on Photoacoustic Spectroscopy - WM-PAS** G.R. Lima[1], L. Mota[1], A. Miklós[2], J. Angster[2], M. Gomes[1], M. Sthel*[1], *[1]UENF, Brazil, [2]Fraunhofer Institut für Bauphysik, Germany*
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[P2.104]	**Numerical simulations of air flows and pollution transport in street canyons using mesh-adaptive LES.** E. Aristodemou*[1,3], J. Milner[2], D. Pavlidis[3], C. Pain[3], A. Robins[4], *[1]London South Bank University, UK, [2]London School of Hygiene & Tropical Medicine, UK, [3]Imperial College London, UK, [4]University of Surrey, UK*
[P2.105]	**Antioxidant defenses signalling in pollutant-induced increased differential gender susceptibility to lung inflammation** J. Florenzano*, K.T. Santos, S.A. Teixeira, M.N. Muscará, S.K.P. Costa, *University of São Paulo, Brazil*
[P2.106]	**Mitigating urban heat island through children participation workshop method** M.H. Rasidi*[1], I. Said[1], N. Rusli[1], T. Kubota[2], *[1]Universiti Teknologi, Malaysia, [2]Hiroshima University, Japan*
[P2.107]	**Creating healthy, livable cities: Water sources, uses and quality in a developing country** O.A.A. Eletta*[1,2], O.T Aladesanmi[1,2], *[1]University of Ilorin, Nigeria, [2]Obafemi Awolowo University, Nigeria*
[P2.108]	**Personal, indoor and outdoor air pollution levels in pregnant women in a high diesel environment** A. Schembari, M. Triguero, A. De Nazelle, P. Dadvand, M. Vrijheid, M. Cirach, D. Martinez, M.J. Nieuwenhuijsen*, *Centre for Research in Environmental Epidemiology (CREAL), Spain*
[P2.109]	**Summer atmospheric polybrominated diphenyl ethers in urban and rural areas of Northern China.** C. Wang, W. Lei, G.F. Shen*, S. Tao, *Peking University, China*
[P2.110]	**Pilot tests of pump and treat system for removing DNAPL plume at an industrial complex in Wonju city, Korea** W.H. Jeon*[1], J.Y. Lee[1], S.C. Jun[2], H.P. Kwon[2], J.Y. Cheon[2], *[1]Kangwon National University, Democratic People's Republic of Korea, [2]GeoGreen21 Co., Ltd, Democratic People's Republic of Korea*
[P2.111]	**Numerical simulation of turbulent flows and pollutant concentrations in street canyon** M. Scungio, *University of Cassino and Lazio Meridionale, Italy*