

Conference Agenda

Session

Poster Session Thursday

Time: Thursday, 04/Sept/2025: 5:15pm - 6:45pm

Location: Studium2000

V.le San Nicola corner, Via di Valesio, 73100 Lecce LE

Presentations

ID: 227 / PO3: 1

Using low-cost sensors to monitor particulate matter in classrooms of a Portuguese high school

Nuno Canha^{1,2}, Carolina Correia¹, Sergio Mendez¹, Carla Gamelas^{1,3}, Miguel Felizardo¹

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ID: 230 / PO3: 2

Solid fuel combustion as the dominant wintertime PM_{2.5} source in Irish towns: insights from the TownAir project

Vaios Moschos¹, Kirsten N. Fossum¹, Vignesh Prabhu¹, Lu Lei¹, Darius Ceburnis¹, Shona O'Sullivan², Niall O'Sullivan², Stig Hellebust², Colin O'Dowd¹, John Wenger², Jurgita Ovadnevaite¹

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ID: 692 / PO3: 3

Characteristic of water-soluble inorganic ions in size-segregated aerosols of a typical industrial and mining city in central China

Hongxia Liu, Jiaquan Zhang, Changlin Zhan, Shan Liu, Ting Liu, Wensheng Xiao, Junji Cao

Hubei Polytechnic University, China, People's Republic of

ID: 1047 / PO3: 4

High Optical and Temporal Resolution Investigations into Non-Ideal Resuspension Phenomena

Edward Neal¹, Lukesh K Mahato¹, Richard J Thomas², Maurice D Walker², Jack C Vincent², Simon T Parker², Virginia E Foot², Emily S Kruger², Jonathan P Reid¹

¹University of Bristol, United Kingdom; ²Defence Science and Technology Laboratory, United Kingdom

ID: 782 / PO3: 5

On the origins of atmospheric secondary organic aerosol (SOA): Double bonds facilitate rapid functionalization to aerosol precursors

Pyy Salomaa¹, Netta Vinkvist¹, Siddharth Iyer², Matti Rissanen^{1,2}

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ID: 120 / PO3: 6

Flavor-Induced Inflammation and Cytotoxicity in Human Aortic Smooth Muscle Cells: Implications for E-Cigarette Safety

Mariam Bitar¹, Clément Mercier¹, Valérie Forest¹, Jérémie Pourchez¹, Laurent Bertoletti²

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ID: 1007 / PO3: 7

Review of the mass absorption cross-section literature for mixed atmospheric black carbon

Eija Asmi¹, Joel Corbin², John Backman¹, Konstantina Vasilatou³, Ernest Weingartner⁴, Krzysztof Ciupek⁵, Thomas Müller⁶, Arun Babu Suja⁶, Griša Močnik^{7,8,9}, Luka Drinovec^{7,8}, Kostas Eleftheriadis¹⁰, Jorge Saturno¹¹

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ID: 1057 / PO3: 8

Atmospheric New Particle Formation Enhanced by Tricarboxylic Acids

Astrid Nørskov Pedersen, Yosef Knattrup, Jonas Elm

Aarhus University, Denmark

ID: 788 / PO3: 9

Coagulation of combustion-generated carbonaceous nanoparticles of ethylene and ethylene/ethanol flames in an atmospheric simulation chamber

Vincenzo Liguoro¹, Virginia Vernocchi², Gianluigi De Falco¹, Francesca Picca³, Fabio Sasso³, Alessia Sannino⁴, Patrizia Minutolo¹, Andrea D'Anna³, Tommaso Isolabella⁵, Paolo Prati⁵, Dario Massabò⁵, Mario Commodo¹

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ID: 160 / PO3: 10

Effect of gas absorption on evaporation of acoustically levitated slurry droplets at constant and falling rate periods of drying

Yehonatan David Pour¹, Boris Krasovitev¹, Andrew Fominykh¹, Ziba Hashemloo², Abdolreza Kharaghani², Evangelos Tsotsas², Avi Levy¹

¹Ben-Gurion University of the Negev, Israel; ²Otto von Guericke Universität Magdeburg

ID: 218 / PO3: 11

Personal dose during cardiovascular exercise

Sofia Eirini Chatoutsidou, Eleftheria Chalvatzaki, Mihalīs Lazaridis

School of Chemical and Environmental Engineering, Technical University of Crete, Greece

ID: 931 / PO3: 12

Photooxidation of Biomass Burning Emissions: Secondary Organic Aerosol Formation under varying NO_x levels

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ID: 749 / PO3: 13

Time-resolved measurements reveal the evolving oxidative potential of indoor-generated aerosols under simulated photochemical ageing

Rico K.Y. Cheung¹, Aristeidis Voliotis², Mathilde Delaval³, Dawei Hu², Joseph Bainbridge², Rongrong Wu², Raghad Aldulaymi⁴, Andrew Trafford⁴, Cyrill Bussy⁵, James Allan², Gordon Mcfiggans², Markus Kalberer¹, Steven J. Campbell⁶

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ID: 531 / PO3: 14

Agricultural fire impacts on brown carbon during different seasons in Northeast China

Jiumeng Liu, Yuan Cheng, Xubing Cao, Yingjie Zhong

Harbin Institute of Technology, China, People's Republic of

ID: 723 / PO3: 15

Characteristics and source apportionment of water-soluble inorganic ions in TSP during the lockdown episode for epidemic outbreak of COVID-19 in Wuhan, 2020

Wen Sun^{1,3}, Chengkai Qu², Stefano Albanese³

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ID: 565 / PO3: 16

Characterization of ultrafine particle number concentration and size distribution in the school environment

Stavroula Katsikari¹, Vassiliki Vassilatou¹, Konstantinos Granakis¹, Raquel Pimenta², Ketlyn Oliveira², Susana Marta Almeida², Drew K. Henderson³, Robert M.W. Ferguson³, Heidi Salonen^{4,5}, Konstantinos Eleftheriadis¹, Evangelia Diapoulis¹

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ID: 950 / PO3: 17

Climatology of aerosol optical properties in Cyprus based on aerosol type classification from AERONET and Lidar data

Francesco Scarlatti^{1,2}, Rodanthi Elisavet Mamouri^{1,2}, Argyro Nisantzi^{1,2}, Athina Savva^{1,2}

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ID: 175 / PO3: 18

Distinguishing the air quality impact from different types of stove for residential heating in central Italy

Arianna Marinelli^{1,3}, Fulvio Amato², Silvia Canepari³, Lorenzo Massimi³, Alessandro Domenico Di Giosa¹

¹Regional Environmental Protection Agency; ²Spanish Research Council (CSIC); ³Sapienza University of Rome

ID: 530 / PO3: 19

Eulerian model of dilute suspensions of electrified particles

Karim Mehrabi, Francisco Higuera

Universidad Politécnica de Madrid, Spain

ID: 232 / PO3: 20

Evaluating the impact of thermal conditions on emissions from tobacco heating systems

Dimitrios Zarvalis, Eleni Papaioannou, Daniel Deloglou, Kyriaki Tsortanidou, George Karagiannakis

CERTH, Greece

ID: 238 / PO3: 21

Exposure to PM oxidative potential and inflammatory biomarkers in vulnerable populations: the ASTHMA-FENOP and PEREX-COPD studies

Ignacio Fernández-Olmo¹, Andrea Expósito¹, Juan Agüero-Calvo², Juan Luis García-Rivero², Beatriz Abascal², Carlos Antonio Amado², Marcos López-Hoyos³, Miguel Santibáñez⁴

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ID: 1061 / PO3: 22

Influence of the acceleration of the flow on microparticle resuspension

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ID: 924 / PO3: 23

Investigation of particle collisions in air-flow resuspension phenomena with 4000Hz frequency acquisition camera

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ID: 808 / PO3: 24

Long-term characterization of Lung Deposited Surface Area of Ultrafine Particles in Athens, Greece

Panayiotis Kalkavouras^{1,2}, Georgios Grivas¹, Nikolaos Mihalopoulos¹

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ID: 157 / PO3: 25

Measurements of Surrogate Respiratory Sessile Droplet pH and Implications for Exhaled Respiratory Aerosol and Airborne Disease Transmission

Jiangnan Tian¹, Beiping Luo², Aidan Rafferty³, Allen Haddrell¹, Ulrich Krieger², Jonathan Reid¹

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ID: 774 / PO3: 26

Modeling Road Traffic Contributions to PM_{2.5} and Particle Number with LOTOS-EUROS

Ruud Janssen, Astrid Manders, Quinten Bohte, Tilman Hohenberger, Marya el Malki, Jeroen Kuenen, Martijn Schaap

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ID: 511 / PO3: 27

Modelling Atmospheric Cluster-to-Particle Transition

Haide Wu, Yosef Knattrup, Galib Hasan, Jonas Elm

Aarhus University, Denmark

ID: 742 / PO3: 28

Multi-year gradient measurements of sea spray fluxes over the Baltic Sea and the North Atlantic Ocean

Piotr Markuszewski^{1,2,3,4}, E. Douglas Nilsson^{2,4}, Julika Zinke^{5,4}, E. Monica Mårtensson⁶, Matthew Salter^{5,4}, Przemysław Makuch¹, Małgorzata Kitowska¹, Iwona Wróbel-Niedźwiecka¹, Violetta Drozdowska¹, Dominik Lis¹, Tomasz Petelski¹, Luca Ferrero³, Jacek Piskozub¹

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Size Ratio Dependent Enhancement Factor of Ultrafine Aerosol Coagulation Rates by Van der Waals Potential

Hui Quyang, Brandon Boren, Deepak Sapkota

The University of Texas at Dallas, United States of America

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Size-resolved PM Composition and sources in Saxony, Germany: A Decadal Comparison (2013/14 vs. 2023/24)

Vanessa Engelhardt, Dominik van Pinxteren, Uwe Käfer, Manuela van Pinxteren, Hartmut Herrmann
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ID: 453 / PO3: 31

Sparsity introduction in Bayesian Autocorrelation Matrix factorization for organic aerosol source apportionment

Marta Via¹, Anton Rusanen², Jure Demšar³, Yufang Hao⁴, Jianhui Jiang⁵, Griša Močnik¹, Kaspar Daellenbach⁴

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ID: 921 / PO3: 32

Spatial variability of aerosol optical properties in the European Arctic

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ID: 769 / PO3: 33

Using clustering approaches to dynamically determine the number of sources of organic aerosol in PMF analyses

Michelle Schneider¹, Anna Tobler², Francesco Canonaco², André S.H. Prévôt³, David C. Green^{1,4}, Gang I. Chen¹

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ID: 710 / PO3: 34

Atmospheric reactive nitrogen and its dry deposition regimes under emission reduction: Insights from intensive and long-term monitoring in Switzerland

Jun Zhang¹, Ali Waseem¹, Andrea Baccharini¹, Ghislain Motos¹, Hüglin Christoph², Siyao Yue³, Benjamin Brem³, Kalliopi Violaki¹, Martin Gysel-Beer³, Jay Slowik³, Athanasios Nenes¹

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ID: 345 / PO3: 35

Comparative genome copies reduction of MS2 and T4 Bacteriophages Using UVA and UVC in a Controlled Atmospheric Chamber: Implications for Indoor Air Hygiene

Ali Mohamadi Nasrabadi¹, Diana Eckstein², Hassan Alkassam¹, Peter Mettke¹, Nawras Ghanem², René Kallies², Matthias Schmidt², Melanie Maier³, Uwe Gerd Liebert³, Hans Richnow¹, Hartmut Herrmann¹

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Evaluation of the PM mitigation using a green barrier in a high traffic site

Amedeo Manuel Cefali^{1,2}, Niccolò Losi², Andrea Doldi², Sofia Cerri², Claudia Franchina^{1,2}, Martina Gianotti^{1,2}, Luca Ferrero², Mita Lapi³, Ezio Bolzacchini²

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ID: 434 / PO3: 37

Gaining insights into filter-based measurements of the aerosol absorption coefficient: an integrated approach

Marcus Acton-Bond¹, Serena Barone³, Cosimo Fratticioli³, Tommaso Isolabella², Sara Lucherini¹, Dario Massabò², Federico Mazzei², Gianluigi Valli¹, Roberta Vecchi¹, Vera Bernardoni¹

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ID: 240 / PO3: 38

Giant Particle Size Distribution and Composition Near and In Dust Sources

Konrad Kandler¹, Kilian Schneiders¹, Agnesh Panta¹, Mara Montag¹, Melanie Eknayan¹, Hannah Meyer², Martina Klose², Kerstin Schepanski³, Cristina González-Flórez^{4,5}, Adolfo González-Romero⁴, Andres Alastuey⁶, Pavla Dagsson-Waldhauserová⁷, Xavier Querol⁶, Carlos Pérez García-Pando^{4,8}

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ID: 1201 / PO3: 39

FROM BIOMASS PELLETS TO AIR POLLUTION: HOW FUEL QUALITY DETERMINES EMISSIONS

Kamila Widziewicz-Rzońca¹, Agnieszka Drobnik^{2,3,4}, Zbigniew Jelonek^{2,4}, Maria Mastalerz^{3,4}, Iwona Jelonek^{2,4}

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ID: 182 / PO3: 40

Spatial variability of air pollution from residential heating in a small settlement in the Czech Republic

Marketa Schreiberova, Jan Komárek, Leona Vlasáková

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ID: 541 / PO3: 41

Integrated measurements of atmospheric aerosol properties over Naples urban area using near surface and remote sensing devices

Matteo Manzo¹, Giulia Pavese², Mariarosaria Calvello², Francesco Esposito³, Aldo Giunta², Riccardo Damiano¹, Alessia Sannino¹, Salvatore Spinosa¹, Salvatore Amoroso¹, Antonella Boselli²

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³Università della Basilicata

ID: 827 / PO3: 42

Investigation of coating thickness and black carbon mass absorption cross-section variation during winter campaign in Ljubljana (Slovenia)

Luka Drinovec^{1,2}, Jesus Yus-Diez¹, Petra Makorič¹, Martin Rigler³, John Backman⁴, Griša Močnik^{1,2}

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ID: 1194 / PO3: 43

Long-term composition and optical properties of Amazonian aerosols measured at the ATTO tower

Paulo Artaxo¹, Rafael Valiati¹, Bruno Backes Meller¹, Luciana Varanda Rizzo¹, Sebastian Brill², Christopher Pöhlker²

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ID: 492 / PO3: 44

Physico-chemical characterization of indoor airborne particulates emitted in plastics processing workplaces

Tommaso Rossi¹, Luca stabile², Elisa Caracci², Donatella Pomata³, Marco Giusto¹, Tiziana Sargolini¹, Adriana Pietrodangelo¹

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ID: 1103 / PO3: 45

PM10 and PM2.5 variability over Italy (2021–2023): Data-driven mapping and causal inference analysis

Karam Mansour, Matteo Rinaldi, Marco Paglione, Stefano Decesari, Tony C. Landi

CNR-ISAC, Italy

ID: 910 / PO3: 46

Predicting the influence of the Planetary Boundary Layer at the Helmos Hellenic Atmospheric Aerosol & Climate Change (HAC)2 station using a combination of in-situ measurements and remote sensing techniques

Olga Zografou¹, Maria Gini¹, Prodromos Fefatzis¹, Konstantinos Grakanis¹, Romanos Foskinis², Carolina Molina³, Christos Mitsios³, Aiden Jönsson⁴, Paul Zieger⁴, Mika Komppula⁵, Alexandros Papayannis^{2,6}, Athanasios Nenes^{2,3}, Konstantinos Eleftheriadis¹

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ID: 784 / PO3: 47

Source assessment of atmospheric lead reaching Ny-Ålesund (Svalbard)

Francisco Ardini, Matilde Mataloni, Viola Minutoli, Marco Grotti

University of Genoa, Italy

ID: 641 / PO3: 48

Volatility of molecular components of α -Pinene SOA modulated by inorganic seed composition

David Michael Bell¹, Natasha M. Garner¹, Jens Top¹, Jun Zhang¹, Francesca Salteri¹, Andre S. H. Prevot¹, Katherine R. Kolozsvari², Andre P. Ault², Sabine Luechtrath³, Markus Ammann¹, Imad El Haddad¹

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ID: 205 / PO3: 49

A new approach for source apportionment of Black Carbon from Raman Spectroscopy

Lia Drudi¹, Matteo Giardino², Rosalba Ignaccolo³, Nicola Pronello³, Rossana Bellopede¹

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ID: 444 / PO3: 50

Developing an algorithm to determine woodsmoke events

Daniëlle van Dinther, Paula C.P. Bronsveld, Marcus J. Blom, Harmen van Mansom, Gerrit Jan de Bruin, Marc van Dijken
Environmental Modelling Sensing and Analysis, TNO, Petten, The Netherlands

ID: 1116 / PO3: 51

Distinguishing Total and Solid Particle Emissions from Household and Office Devices using a Catalytic Stripper

Paulus S. Bauer¹, Vincius Berger¹, Eda Sorani¹, Hans-Joachim Schulz¹, Adam Boies^{1,2}, Jacob Swanson^{1,3}

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ID: 555 / PO3: 52

Elevated NO_x concentration in urban plumes increases volatility of secondary organic aerosol over the suburban region

Mingfu Cai¹, Chenshuo Ye², Bin Yuan³

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ID: 401 / PO3: 53

Transport and air pollution exposure around schools

Christina Mitsakou, Rosemary Chamberlain, Otto-Emil Jutila, Artemis Doutsis, Sani Dimitroulopoulou, Karen Exley
UK Health Security Agency, United Kingdom

ID: 916 / PO3: 54

Characterizing Aerosol Optical Properties at the Payerne Monitoring Site Using Polarimetric Observations

Aiki Christodoulou¹, Barbara Bertozzi¹, Zhongxia Sun¹, Qizhi Xu¹, Leila Héloïse Simon¹, Benjamin Tobias Brem¹, Robin Lewis Modini¹, Martine Collaud Coen², Martin Gysel-Beer¹

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ID: 705 / PO3: 55

Chemical characterization of construction-related sources of respirable urban road dust and its potential biological effects

Beatrix Jancsek-Turóczy^{1,2}, János Osán^{2,3}, Zsolt Endre Horváth³, Balázs Kakasi^{1,2}, András Hoffer^{1,2}, András Gelencsér^{1,2}

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ID: 613 / PO3: 56

Comparison of Oxidation Flow Reactor and Atmospheric Chamber Produced Secondary Organic Aerosol with Varying Aerosol Seed Concentration

Stephen Alexander Robertson¹, Aristeidis Voliotis¹, Pauli Simonen², Gordon McFiggans¹, Miikka Dal Maso², Anssi Arffman³, Anette Karppinen²

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Germicidal effects of UV irradiation on viral aerosols

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ID: 901 / PO3: 58

Hunting for the sources of rural air pollution: waste burning

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ID: 443 / PO3: 59

Investigating the viable to total respiratory particles concentration ratio using a BioTrak in various indoor environment configurations

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ID: 814 / PO3: 60

Investigation of Optical Properties of Different Fuels Diesel Exhaust by an Atmospheric Simulation Chamber experiment

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ID: 958 / PO3: 61

ML analysis for absorption measurements correction schemes – A test study

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ID: 467 / PO3: 62

Optical properties and size distributions of particulate matter produced by diesel B7 and Hydrotreated Vegetable Oil combustions in an atmospheric simulation chamber

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ID: 979 / PO3: 63

PM10 Source assesment in rural olive areas of Spain: Implications for 2030 Air Quality Standards

Agustina Romero Pereifa, Pablo Pérez-Vizcaino, Ana M. Sánchez de la Campa, Daniel A. Sánchez-Rodas, Jesús De la Rosa
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ID: 672 / PO3: 64

Source Apportioned Particle Number Concentrations during Winter Season before COVID19 lock in the City Center of Belgrade, Serbia

Zeljko Cirovic, Danka Stojanovic, Marija Zivkovic, Maja Jovanovic, Milos Davidovic, Milena Jovasevic-Stojanovic
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ID: 639 / PO3: 65

Submicrometric aerosol using Q-ACSM and Positive Matrix Factorization at remnants of the Atlantic Forest in Metropolitan Area of São Paulo (MASP)

Lucas Covre Chiari¹, Jean-Eudes Petit², Joel F. de Brito³, Pauline Fombelle⁴, Olatunde Murana³, Etienne Brugère⁴, Agnès Borbon⁴, Luciana Rizzo⁵, Amauri Pereira de Oliveira¹, Maciel Pinero¹, Georgia Condato¹, Samara Carbone⁶, Adalgiza Fornaro¹
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ID: 517 / PO3: 66

Three-wavelength Lidar for aerosol optical and microphysical properties characterisation at Mount Etna (Italy): system upgrades and first measurement results

Salvatore Spinosa¹, Matteo Manzo¹, Antonella Boselli², Salvatore Consoli³, Riccardo Damiano¹, Emilio Pecora³, Simona Scollo³
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ID: 165 / PO3: 67

Understanding pesticides monitoring with local agricultural uses and practices

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ID: 899 / PO3: 68

Black carbon emission factors of household wastes co-burned with firewood in stoves

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ID: 616 / PO3: 69

Black carbon pollution and sources in gas-heated Moscow megacity: Upgrade to European phenomenology

ID: 930 / PO3: 70

PFAS monitoring in Flanders, Belgium

Jan Peters

VITO, Belgium

ID: 625 / PO3: 71

Quantifying Responsibility for Cross-state Air Pollution: An airshed approach

Paola Crippa, Wenxu Liao

University of Notre Dame, United States of America

ID: 600 / PO3: 72

A Multi-year Characterization of Black Carbon at Regional, Urban, and Urban Background Locations in Qatar

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ID: 783 / PO3: 73

Aging of Wildfire Particulate Matter and Its Impacts on Toxicity and Biological Responses

Melanie Stegmann¹, Jeroen Buters¹, Hendryk Czech², Abdulghani Ebtini², Olga Popovicheva³, D. Cernov⁴, Alexander Kozlov⁵, Ralf Zimmermann², Carsten Schmidt-Weber¹, Inga Wessels¹

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ID: 805 / PO3: 74

Analysis of Aerosol Absorption Properties through an Integrated Experimental Approach during a Monitoring Campaign at a Central Mediterranean Site

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ID: 398 / PO3: 75

Analysis of the spatial-temporal variability of chemical-physical properties of PM_{2.5} in two sites of Southern Italy

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ID: 436 / PO3: 76

Assessing indoor and outdoor air quality interactions in urban environments: a case study in Bologna within the ECOSISTER Project

Marco Paglione¹, Karam Mansour¹, Maurizio Busetto¹, Fabrizio Ravegnani¹, Alessandro Bigi², Arunik Baruah^{2,5}, Francesco Marucci³, Francesco Suriano³, Stefano Zampolli⁴, Matteo Rinaldi¹

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ID: 417 / PO3: 77

BC concentrations and spectral absorptions at regional background stations in Greece

Anna Gkogiasvili¹, Marina V. Karava², Nestor Kontos², Martha Seraskeri², Iliana Tasiopoulou², Nikolaos Kalivitis¹, Georgios Kouvarakis¹, Rafaella-Eleni P. Sotiropoulou³, Dimitris G. Kaskaoutis², Efthimios Tagaris², Nikolaos Mihalopoulos⁴

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ID: 1168 / PO3: 78

Brown carbon characterization and impacts of absorbing aerosol in Eastern Mediterranean

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ID: 214 / PO3: 79

CAPE-k CHEM: Precursors vapors and chemical composition of the Southern Ocean aerosols at Cape Grim

Jakob Boyd Pernov, Joel Alroe, Juha Sulo, Zijun Li, Zoran Ristovski, Branka Miljevic

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ID: 748 / PO3: 80

CFD simulation of non-exhaust particles dispersion in the wake flow of a passenger car

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ID: 455 / PO3: 81

Characterization of a Novel Laminar-Flow Oxidation Reactor for Simulating Atmospheric Multiple-Day Oxidation

Hannah Magdalena Beckmann, Markus Leiminger, Andreas Klinger, Martin Graus, Tobias Reinecke, Markus Müller

IONICON Analytik GmbH, Austria

ID: 396 / PO3: 82

Characterization Of Gas and Particle-Phase Chemistry from Rice Straw Burning and Aerosol Aging Under Light and Dark Conditions in EUPHORE Chambers

Rubén Soler¹, Teresa Vera¹, Mila Ródenas¹, Ezra Wood^{1,2}, Esther Borrás¹, Beatriz Domínguez¹, Amalia Muñoz¹

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ID: 733 / PO3: 83

Collision rates of multiply-charged aerosol particles in the CERN CLOUD chamber

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ID: 952 / PO3: 84

Comparison of ATLID L2A Products with Ground-Based Aerosol Optical Properties and Classification at the Potenza ACTRIS Site

Christina-Anna Papanikolaou, Nikolaos Papagiannopoulos, Michail Mytilinaios, Pilar Guma' Claramunt, Benedetto De Rosa, Aldo Amodeo, Lucia Mona

Consiglio Nazionale delle Ricerche-Istituto di Metodologie per l'Analisi Ambientale (CNR-IMAA)

ID: 606 / PO3: 85

Comparison of the Four-Wavelength Photoacoustic Spectrometer PAAS-4λ and Aethalometer AE33 for Long-Term Measurements in Rural Northern and Southern Finland

E. Martin Schnaiter^{1,2}, Emma Järvinen¹, Henri Servomaa³, Eija Asmi³, Antti-Pekka Hyvärinen³, Rostislav Kouznetsov³, Mikhail Sofiev³, Aki Virkkula³, Krista Luoma³, Yutaka Kondo⁴, Lauri Ahonen⁵, Sujai Banerji⁵, Tapio Elomaa⁵, Tuukka Petäjä⁵

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ID: 709 / PO3: 86

Comparison of ultrafine particles volatility at a traffic site and a suburban station in Athens, Greece

Christina Spitieri, Maria Gini, Konstantinos Eleftheriadis

N.C.S.R. 'Demokritos', Greece

ID: 127 / PO3: 87

Contamination of the soils with dust fallout from a smelting site in Lubumbashi city, RD Congo

John Kasongo^{1,2}, Laurent Alleman¹, Bruno Malet¹, Jean Marie Kanda², Arthur Kaniki², Véronique Riffault¹

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ID: 648 / PO3: 88

Cytotoxicity, intracellular oxidative stress, and acellular oxidative potential of PM2.5: a study in South Italy

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ID: 344 / PO3: 89

Detection and 23-year climatology of Saharan dust at the high-altitude site Jungfraujoch

Martine Collaud Coen¹, Benjamin T. Brem², Robin Modini², Martin Gysel-Beer², Martin Steinbacher³, Stephan Henne³

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ID: 1097 / PO3: 90

Determining source specific organic aerosol and black carbon emission rates by coupling source apportionment and atmospheric dynamics

Iasonas Stavroulas¹, Asta Gregorič^{1,2}, Kristina Glojek¹, Marta Via¹, Jesus Yus Diez¹, Luka Drinovec¹, Petra Makorič¹, Manousos Manousakas³, André Prévôt³, Griša Močnik¹

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ID: 751 / PO3: 91

Estimating the growth characteristics of commonly used pesticide (Glyphosate) aerosols

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ID: 400 / PO3: 92

Evaluating ALI Cell Exposure in Transient Driving Cycles in CNG vehicle

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ID: 1151 / PO3: 93

Evaluation of the toxicological effects of primary and aged logwood stove emissions on alveolar cells exposed at the air-liquid interface

Aurélia Alunni¹, Anthony Verdin², Nour Jaber², Yamina Allouche¹, Ali Hnaino¹, Emeline Barbier³, Jessica Carpentier³, Nicolas Karoski¹, Vincent Fuvel¹, Jason Bardou¹, Adrien Dermigny¹, Serge Collet¹, Jerome Beaumont¹, Laurent Meunier¹, Theo Claude¹, Robin Aujay-Plouzeau¹, Celine Ferret¹, Nathalie Bocquet¹, Rachel Gemayel¹, Sergio Harb¹, Maxime Floreani¹, Guillaume Barbier¹, Ahmad El-Masri¹, Khristy Pinto¹, Faustina Fuvel¹, Jean-Pierre Blanquet¹, Brice Temime-Roussel⁴, Barbara D'Anna⁴, Dominique Courcot², Frédéric Ledoux², Guillaume Garçon³, Bénédicte Trouiller¹, Alexandre Albinet¹

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ID: 1085 / PO3: 94

Experimental determination of the Atmospheric Heating Rate due to Light Absorbing Aerosols at the Jungfraujoch high altitude remote station

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ID: 309 / PO3: 95

Exploring the chemical aging of urban organic emissions: Results from the POSEIDON campaign

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ID: 508 / PO3: 96

Firefighter exposure and health risks: linking exposure concentrations to health outcomes

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ID: 255 / PO3: 97

Fractional Soaring of Bacteria and Fungi Aerosols in a Chicken Farm

José Luis Pérez-Díaz^{1,2}, Cristina Del Álamo-Torano¹, Sonia Peiró², Francisco Javier Pérez-Del-Álamo², Rafał Górny³, Anna Lawniczek-Walczyk³, Malgorzata Golofit-Szymczak³

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ID: 489 / PO3: 98

Glycolic Acid Sulfate Formation in Aqueous Aerosols Analyzed with Hydrophilic Interaction Liquid Chromatography-Mass Spectrometry

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ID: 976 / PO3: 99

Impact of War on Air Quality: PM2.5 Aerosol Composition in Beirut During the 2024 Conflict

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ID: 728 / PO3: 100

In vitro toxicological evaluation at the air-liquid interface of aerosols generated by POD vaping device using nicotine salts

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ID: 253 / PO3: 101

Influence of NO_x on the physical and chemical properties of isoprene SOA

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ID: 560 / PO3: 102

Investigation of the properties and factors affecting concentrations and size distribution of ultrafine aerosol particles in the city of Zagreb, Croatia

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ID: 1152 / PO3: 103

Key Factors Affecting Indoor PM_{2.5} in New Dwellings in London

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ID: 654 / PO3: 104

Measurements of Black Carbon Concentration in Sofia's urban Atmosphere

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ID: 874 / PO3: 105

Molecular-Scale Mechanism of Adsorption and Ice Nucleation on the Copper Oxide (CuO) Surface

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ID: 581 / PO3: 106

Particulate air pollution in the heart of the European Union: lessons learned from SAFICA 2017-2018 and SAAERO 2022-2023 projects

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ID: 674 / PO3: 107

Physico-optical properties of atmospheric aerosols over North-East India

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ID: 1176 / PO3: 108

Ship emissions profiles from ambient measurements in Dublin Port

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ID: 649 / PO3: 109

Site-selectivity of PhI p 5 modifications and their influence on the inflammatory potential

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ID: 335 / PO3: 110

Source Apportionment of wide range particle number concentration during summertime in Istanbul

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ID: 548 / PO3: 111

Tracing Sources of Elemental PM2.5 in the Sarajevo Basin: Results from the SARajevo AEROSol Experiment (SAAERO)

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ID: 1153 / PO3: 112

Urban particulate matter SRM 1648 as a reference material for Oxidative Potential determination

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ID: 147 / PO3: 113

A Novel Breath-Taking Hood for COVID-19

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ID: 556 / PO3: 114

Analysis of aerosol optical properties using aethalometer and nephelometer over 3 years in an urban and suburban places

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ID: 1173 / PO3: 115

Assessing human exposure to air pollution in microenvironments using portable Low-Cost Sensor units

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ID: 286 / PO3: 116

Assessment of children's exposure to airborne microorganisms indoors

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ID: 135 / PO3: 117

Biomonitoring polycyclic aromatic hydrocarbon levels in domestic kitchens using commonly grown culinary herbs

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ID: 347 / PO3: 118

Characterization of physical, chemical, and toxicological properties of fine Particles emitted from pork and mackerel Grilling

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ID: 408 / PO3: 119

Chemical characterization of atmospheric aerosols in Antarctica

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ID: 984 / PO3: 120

CHEMICAL COMPOSITON AND SOURCE APORTIONMENT OF PM10 IN TRAFFIC MONITORING STATIONS IN THE CITY OF SEVILLE

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ID: 759 / PO3: 121

CIAO - CNR-IMAA Atmospheric Observatory: the first year of aerosol in-situ measurements

Teresa Laurita, Caterina Mapelli, Francesco Cardellicchio, Canio Colangelo, Emilio Lapenna, Serena Trippetta, Davide Amodio, Lucia Mona

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ID: 962 / PO3: 122

Comparison of oxidative potential and composition of fine (PM2.5) and ultrafine (PM0.1) particles at an urban and a background site in Greece

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ID: 228 / PO3: 123

Contamination of the atmosphere with size segregated PM_x in selected seaports of northern Europe and on transects between them

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ID: 1198 / PO3: 124

Cytotoxicity assessment of ambient air aerosol using a novel "Cells-on-Particles" in vitro model

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ID: 108 / PO3: 125

Emission of airborne particles from 3D printing

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ID: 338 / PO3: 126

Enhancing Air Quality through Stricter Regulations on Ship Fuel Oil in East China

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ID: 269 / PO3: 127

HIGH-TEMPORAL AND SPATIAL RESOLUTION MONITORING OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN THE COMPLEX INDUSTRIAL AND PORT AREA OF TARANTO (ITALY)

Valentina Pizzillo, Jolanda Palmisani, Alessia Di Gilio, Marirosa Rosaria Nisi, Lucia Pastore, Miriana Cosma Mazzola, Gianluigi de Gennaro

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ID: 586 / PO3: 128

Impact of residential biomass burning emissions on the wintertime particulate pollution in the Guanzhong Basin, China: a case study

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ID: 817 / PO3: 129

Neural Network Interatomic Potentials for Atmospheric Chemistry

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ID: 853 / PO3: 130

Particle number and black carbon concentrations in Helsinki – spatial variation and trends

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ID: 252 / PO3: 131

PM10 Composition in an African Megacity: Weekly and Monthly Trends

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ID: 1195 / PO3: 132

PM2.5 in European Classrooms: A Comparative Study

Tiago Faria¹, Joana Lage^{1,2}, Miguel Felizardo¹, Ricardo Chacartegui^{3,4}, Israel Marques-Valderrama³, José António Becerra^{3,4}, Marian Constantin⁵, Anna Lehtonen⁶, Niina Mykrä⁶, José Alberto Díaz⁷, Maria Nuria Sánchez⁷, Antonis Stratis⁸, Susana Marta Almeida¹

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ID: 420 / PO3: 133

Regional and Long-Range Transport Sources of PM2.5 Identified in Seoul, South Korea

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ID: 1012 / PO3: 134

Supervised Machine Learning Approaches for Black Carbon Estimation in Rural Areas

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ID: 124 / PO3: 135

The effect of biotransformation on the toxicity and clearance of iron oxide in an inhalation toxicity study

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ID: 229 / PO3: 136

The role of the atmosphere in the contamination of the sea surface microlayer with heavy metals in selected seaports of northern Europe and on transects between them

Adam Krzysztofik¹, Anna Waleczek¹, Morgane Perron², Matthieu Waeles², Anita Lewandowska¹

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ID: 370 / PO3: 137

Traffic emissions and air quality in Alpine regions: a two-site study on the Mont Blanc Tunnel closure

Henri Diémoz¹, Tiziana Magri¹, Jean-Luc Jaffrezo², Sophie Darfeuil², Gaëlle Uzu², Vy Ngoc Thuy Dinh², Guillaume Brulfer³, Annachiara Bellini¹, Manuela Zublena¹

ID: 721 / PO3: 138

Workplace assessment: inhalable particles formed during the laser ablation of hazardous GaAs materials

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ID: 889 / PO3: 139

Acute episodes of particulate matter pollution: the role of day-night atmospheric vertical stratification

Francesca Calastrini^{1,3}, Andrea Orlandi², Gianni Messeri^{1,3}, Riccardo Benedetti³, Roberto Vallorani^{1,3}, Alessandro Zaldei¹, Carolina Vagnoli¹, Beniamino Gioli¹, Giovanni Gualtieri¹, Tommaso Giordano¹, Simone Putzolu¹, Silvia Becagli⁴, Rita Traversi⁴, Mirko Severi⁴, Silvia Nava⁵, Franco Lucarelli⁶

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ID: 675 / PO3: 140

Aerosol light absorption alleviates particulate pollution during wintertime haze events

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ID: 144 / PO3: 141

Alternative approach to the determination of Cr(VI) in a Cr(III)-rich particulate matter for occupational exposure assessment

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ID: 410 / PO3: 142

Ammonia and ammonium nitrate in the Po Valley: monitoring, sources, and impacts on Air Quality

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ID: 244 / PO3: 143

Assessing chemical PM10 concentrations in school settings over two seasons

Isabella Charres Fandino Beames¹, Yago Cipoli¹, Estela D. Vicente¹, Leonardo Furst¹, Teresa Nunes¹, Ana M. Sánchez de la Campa², Manuel Feliciano³, Célia Alves¹

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ID: 105 / PO3: 144

BIOINFO – the internet database on risks associated with exposure to harmful biological aerosols in the work environment

Małgorzata Golofit-Szymczak, Rafał L. Górny, Marcin Cyprowski, Anna Ławniczek-Wałczyk, Agata Stobnicka-Kupiec

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ID: 974 / PO3: 145

Chemical Composition of Deposition Particles in the Riotinto Mining District (Huelva, Spain)

Vanessa Vásquez, Pablo Pérez-Vizcaino, Ana M Sánchez de la Campa, Daniel A Sánchez-Rodas, Jesús De la Rosa

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ID: 870 / PO3: 146

Comparison of statistical spatial modelling and machine learning algorithm to assess population exposure to PM10 and PM2.5

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ID: 618 / PO3: 147

Correction of CAMS PM10 Reanalysis Improves AI-Based Dust Event Forecast

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ID: 130 / PO3: 148

Determination of Tire-road Wear Particle (TRWP) Emission Factor Under Realistic On-road Driving Conditions

Seokhwan Lee, Sang-Hee Woo, Minki Kim, Hyoungjoon Jang, Wooyoung Kim

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ID: 167 / PO3: 149

Efficient numerical analysis for performance evaluation of an electrostatic precipitator under varied jet flow velocity profiles

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ID: 1188 / PO3: 150

Exploring Short-Term Exposure to Traffic-Related Air Pollution during Bicycle Commuting

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ID: 226 / PO3: 151

HIGH TEMPORAL AND SPATIAL RESOLUTION MONITORING APPROACH FOR INDOOR AIR QUALITY EVALUATION IN NATURALLY VENTILATED CHURCHES

Lucia Pastore, Jolanda Palmisani, Annalisa Marzocca, Marirosa Rosaria Nisi, Valentina Pizzillo, Miriana Cosma Mazzola, Gianluigi De Gennaro, Alessia Di Gilio

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ID: 1142 / PO3: 152

InAPI: Indoor air pollution inventory tool to visualise activity-based concentrations and emission rates of pollutants for the UK

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ID: 678 / PO3: 153

MOF induced Perovskite for Cleaner Energy Production

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ID: 956 / PO3: 154

Monitoring of size distribution of ultrafine particles in Tuscany Region

Chiara Collaveri, Bianca Patrizia Andreini, Fiammetta Dini, Dennis Dalle Mura, Roberto Fruzzetti, Elisa Bini, Stefano Fortunato, Marina Rosato

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ID: 224 / PO3: 155

Origin and hourly variation of metals and metalloids in industrial and mining areas of Huelva (SW Europe)

Pablo Pérez-Vizcaíno, Ana María Sánchez de la Campa, Daniel Sánchez-Rodas, Jesús Damián de la Rosa

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ID: 752 / PO3: 156

PM10 concentrations at different locations in the Dominican Republic

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ID: 321 / PO3: 157

Potential effect of inhalation exposure to the organic and inorganic constituents of ambient PM2.5 could modulate Amyotrophic Lateral Sclerosis progression

Sai Phalguni Kanikaram, Durga Prasad Patnana, Piyush Kumar, Vijay Sai Krishna Cheerla, Venketesh Sivaramakrishnan, Prashant Tripathi, Boggarapu Praphulla Chandra

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ID: 1074 / PO3: 158

Relationship between atmospheric electric field, precipitation and air ions

Marko Vana, Urmas Hörrak, Aare Luts, Kaupo Komsaare, Heikki Junninen

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ID: 857 / PO3: 159

Size-resolved condensation sink in different urban environments

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ID: 348 / PO3: 160

Size-resolved microphysical and optical properties of atmospheric aerosols in an urban area of the northern Tibetan Plateau

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ID: 887 / PO3: 161

Statistical evaluation of particulate matter (PM₁) concentrations in indoor and outdoor air of households in Zagreb, Croatia

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ID: 706 / PO3: 162

The contribution of chemical components and the particle core to the toxicity of diesel exhaust particles

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ID: 757 / PO3: 163

The Impact of COVID-19 Restrictions on Airborne Concentrations of Contaminants of Emerging Concern in Milan (Italy): The Case of Cocaine

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ID: 831 / PO3: 164

Utilization of Airmodus Condensation Particle Counters in the Net4Cities Network for Long-Term Air Quality Monitoring

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ID: 131 / PO3: 165

Enhancing Information on COPD Exacerbations Through the Integration of Qualitative Approaches in Non-Hospitalized Patients with Mild COPD

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ID: 125 / PO3: 166

Estimating PM_{2.5} Concentrations in Classrooms Installed with Fresh Air Units Through the Determination of the Indoor PM_{2.5} Generation Rate and Non-Ventilation Removal Rate

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ID: 1135 / PO3: 167

Air quality assessment on the central campus of the national University of Equatorial Guinea: aerosol monitoring and its impact on the university community

Lucrecia Osa-Akara¹, Ana Isabel Calvo¹, Cátia Vanessa Maio Gonçalves¹, Carlos del Blanco Alegre¹, Ramón Castelo Alvarez², Maximiliano Fero Meñe², Rosaura Loeri², José Manuel Borilo Aranda², Salomón Abeso Nvó², Darrel Baumgardner³, Roberto Fraile¹

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ID: 1136 / PO3: 168

Indoor air quality in schools of Malabo, Equatorial Guinea: health risks and environmental factors in the African context

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ID: 854 / PO3: 169

Analysing bioaerosols regarding their impact on human health in freely-ventilated pig and cattle barns

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ID: 322 / PO3: 170

Assessment of measures to reduce the impact of climate change on indoor air quality

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ID: 395 / PO3: 171

Can air purifiers remove radioactive aerosol particles from household air in radiation hazard situations?

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ID: 184 / PO3: 172

Changes in cholesterol profile in THP-1 cells and mice lung tissue after exposure to PbO nanoparticles

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Characteristics of Particle-bounded Air Toxic Emissions and Exposure Risk By Cogeneration System Using Solid Waste Recovered Fuel

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ID: 1050 / PO3: 174

Citizen Science and Nature-Based Solutions to Reduce Particulate Matter Exposure in Schools

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ID: 1215 / PO3: 175

Comparison of Airborne In-Situ and Ground-/Satellite-Based LIDAR-Derived Aerosol Light Extinction Coefficients During the JATAC/CAVA-AW Campaigns in 2021 and 2022

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ID: 968 / PO3: 176

Effect of air purifiers on indoor air pollution in beauty salons

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ID: 707 / PO3: 177

Environmental contamination of antibiotics in Swedish hospitals

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ID: 1127 / PO3: 178

Experimental study of aerosol emission and flow exiting a wound during mock-up tracheostomy operations

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ID: 719 / PO3: 179

Exploring the Impact of Bioaerosols: Pollen, Cyanobacteria, Microalgae and Fungi in Diverse Environments

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ID: 1048 / PO3: 180

Exposure to particulate matter during rural, urban and highway asphalt work

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ID: 323 / PO3: 181

Exposure to traffic-related particulate matter in schools and hospitals in a city quarter

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ID: 1206 / PO3: 182

Five-year trend of levoglucosan levels in winter at the urban station in Zagreb, Croatia

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ID: 1038 / PO3: 183

Green Screen as a Nature-Based Solution for Urban Air Quality Improvement

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ID: 1001 / PO3: 184

How can we determine the level of particles that impact our health? Development of laboratory studies with the PolluRisk platform.

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ID: 1202 / PO3: 185

Impact of Return Air Ratios and Filtration on Airborne Infection Risk in Healthcare Settings

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ID: 925 / PO3: 186

In-human performance characterisation of laparoscopic surgical smoke management technologies on the example of sleeve gastrectomy

Daniel Göhler¹, Cedric R.D. Demtröder², Kathrin Oelschlägel¹, Lars Hillemann¹, Hülya Agarius², Peter Kirchmeyer², Dmitrij Dajchin², Urs Giger-Pabst³

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Indoor air quality at the Sephardic Museum (Toledo, Spain): PM and bioaerosol study

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ID: 375 / PO3: 188

Indoor air quality in school: Key influencing factors

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ID: 603 / PO3: 189

Industrial particulate matter, characterization and collection for an animal-free prediction of nanomaterial-induced adverse outcomes

Christina Isaxon^{1,2}, Camilla Abrahamsson^{1,2}, Maria Hedmer^{2,3}, Monica Kåredal^{2,3}, Marie Bermeo Vargas², Pau Ternero², Tilen Koklic⁴, Jenny Rissler^{1,2}, Johanna Samulin-Erdem⁵

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ID: 846 / PO3: 190

Investigation of fungal microbiome in indoor environments of public-use facilities in Korea

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Modified Cascade Impactor for Increased Sampling Time and Aerosol Collection on Wet Surfaces

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ID: 1203 / PO3: 192

Occupational inhalation exposure to welding fumes

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ID: 1209 / PO3: 193

ODESSA: A collaborative WebGIS platform for predicting hospital admissions related to air pollution exposure

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Overview of indoor air pollution measurements in elementary schools in Denmark: a case study

Varun Kumar¹, Martin Ole Bjært Sørensen¹, Christel Christoffersen¹, Bjarne Jensen¹, Abdillahi Hussein Omar¹, Louise Bøge Frederickson¹, Vibeke Heitmann Gutzke², Karin Rosenkilde Laursen², Torben Sigsgaard², Kasper Vita Kristensen³, Lise Lotte Sørensen¹, Andreas Massling¹

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ID: 1161 / PO3: 195

Particle emissions from dry herbs vaping

Efthimios Zervas, Chara Tsipa, Niki Matsouki, Maria Makrygianni, Zoe Gareiou, Areti Tseliou

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ID: 834 / PO3: 196

Performance Analysis of Nebulizers for Intraperitoneal Aerosolized Drug Delivery

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PM-related organic and elemental carbon in hair and nail salons in Poland

Patrycja Rogula-Kopiec¹, Wioletta Anna Rogula-Kozłowska², Jan Białowicz², Artur Badyda³, Kamila Widziewicz-Rzońca¹, Barbara Mathews¹, Grzegorz Majewski⁴, Piotr Oskar Czechowski¹

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ID: 1069 / PO3: 198

Pollution Routes: Ship Emissions Impact on Volatile Organic Compounds in the Atmosphere

Marirosa Rosaria Nisi, Alessia Di Gilio, Jolanda Palmisani, Valentina Pizzillo, Lucia Pastore, Miriana Cosma Mazzola, Annalisa Marzocca, Gianluigi de Gennaro

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Pseudomonas spp. in metalworking fluids – potential bioaerosol contamination of occupational environment in metal industry and phage-based biocontrol method

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ID: 661 / PO3: 200

Real-Time Detection of Dusts from Narcotics using Single-Particle Mass Spectrometry

Haseeb Hakkim¹, Petra Hehet², Morphy Dumlaio³, Marco Schmidt¹, Aleksandrs Kalamašņikovs¹, Ellen Iva Rosewig¹, Guanzhong Wang⁴, Heinrich Ruser⁴, Michael Pütz², Martin Seipenbusch⁵, Simone Vinati⁵, Karsten Wegner⁵, Thorsten Streibel¹, Robert Irsig⁶, Andreas Walte⁶, Sven Ehler⁶, Johannes Passig¹, Ralf Zimmermann¹

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ID: 1004 / PO3: 201

Respiratory aerosol emission during various phonatory tasks

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Secondary organic aerosol formation potential from vehicles under real-world driving conditions in a tunnel

Yanfang Chen¹, Yuantao Wang¹, Damianos Pavlidis^{2,3}, Carolina Molina^{3,4}, Angeliki Matrali^{2,3}, Michael Bauer¹, Christian George⁵, Athanasios Nenes^{3,4}, Imad El Haddad¹, Jay G. Slowik¹, Spyros N. Pandis^{2,3}, Andre S. H. Prevot¹, David M. Bell¹

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ID: 1072 / PO3: 203

Shape factor characterization of dry powder aerosol drugs

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ID: 1205 / PO3: 204

Spatial Distribution and Concentration of BaP in PM₁₀ Across Six Locations in Croatia

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ID: 515 / PO3: 205

Study of drug exposure during magistral preparation of medicine

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ID: 897 / PO3: 206

Temporal variability of PM₁₀ and PM_{2.5} in Puerto Plata, Dominican Republic (2020-2024)

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ID: 1019 / PO3: 207

Urban Pollution Island (UPI) for ultrafine particles – characteristics and influencing factors

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ID: 680 / PO3: 208

Use of green infrastructure as filtration panels for biological and mineral aerosols

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Wood sawing related emissions - Evaluation of the toxicity on nasal and bronchial cells

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MODIS versus AERONET Aerosol Optical Properties in Central-East Europe

Lucia Deaconu, Alexandru Mereuță, Andrei Radovici, Horațiu Ioan Ștefănie, Camelia Botezan, Nicolae Ajtai

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ID: 1225 / PO3: 211

Measurement of On-road Brake Wear Particle(BWP) Emissions of Electrification Vehicle and Regenerative Effect Analysis

SangHee Woo, Wuyoung Kim, Seokhwan Lee

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ID: 325 / PO3: 212

Biomonitoring of Airborne Particulate Matter Using Plane Tree Bark: Method Development and First Insights into Oxidative Potential measurement

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ID: 932 / PO3: 213

Synergistic Observations of Aerosol-Cloud Interactions During Long-Range Transported Dust Events

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Oxidative potential of PM1 and PM10 at a Mediterranean urban site

Marina Alfosea-Simón, Noelia Gómez-Sánchez, Álvaro Clemente, Jose Francisco Nicolás, Javier Crespo, Eduardo Yubero, **Nuria Galindo**

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ID: 964 / PO3: 215

First results of In-Situ Measurement Campaign for Cloud Studies at the Milešovka Observatory, Czechia

Sergej Sel, **Henrik Hof**, Frederik Weis, Volker Ziegler

Palas GmbH, Germany

ID: 203 / PO3: 216

Analysis of the nano fraction content in the atmospheric air of the SE part of Warsaw

Tomasz Jankowski

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ID: 1192 / PO3: 217

High-resolution temporal and size-resolved analysis of atmospheric particulate matter using OPC: source apportionment

Alessandra Nocioni¹, Roberto Primerano¹, Pietro Caprioli¹, Aldo Pinto¹, Vincenzo Campanaro¹, Martino Giannuzzi², Antonio Fornaro²

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ID: 1218 / PO3: 218

The OASIS 2024 Campaign: The Role of VOCs in the Nucleation Particle Growth

Enrique Rojas¹, Francisco Javier Gomez Moreno¹, Elisabeth Alonso Blanco¹, Javier Fernández García¹, Pedro Salvador Martínez¹, Manuel Pujadas Cordero¹, Rosa María Pérez Pastor¹, Susana García Alonso¹, María Fernández Amado², María Piñeiro Iglesias², Purificación López Mahía²

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ID: 1109 / PO3: 219

Electrospraying polytetrafluoroethylene (PTFE) nanoparticle suspensions to form hydrophobic coatings

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ID: 1160 / PO3: 220

Chemical-physical characterization of atmospheric particulate matter collected in the Lecce area (South Italy) by ED-XRF and ATR-FTIR spectroscopy

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ID: 1159 / PO3: 221

Techniques and measurement methods comparison for determination of the water-soluble fraction of atmospheric particulate matter

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ID: 988 / PO3: 222

On the use of low-cost PM sensors for controlling ventilation system of production facilities on demand

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ID: 711 / PO3: 223

Suspect and untargeted characterization of total suspended particles collected in Porto Marghera, an industrial site in the Northeast of Italy

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ID: 941 / PO3: 224

Can PM sensors measure PM10? A test method to assess their performance to coarse PM.

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ID: 1009 / PO3: 225

Evaluation of the impact of climate change on air quality in Alpine valleys

Maria Chiara Bove, Andrea Bisignano, Andrea Giordano, Massimiliano Pescetto, Chiara Righi, Francesca Giannoni

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ID: 353 / PO3: 226

Intercomparison of online and offline XRF spectrometers for determining the elemental composition of PM10 at an urban site in Milan

Laura Cadeo¹, Beatrice Biffi², Benjamin Chazeau³, Cristina Colombi², Rosario Cosenza², Eleonora Cuccia², Manousos-Ioannis Manousakas⁴, Kaspar R. Daellenbach⁴, André S.H. Prévôt⁴, Roberta Vecchi¹

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