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DATE AND PLACE OF BIRTH: 23rd July 1987, Como (Italy)

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OFFICE ADDRESS

Università degli Studi dell'Insubria

Dip. Scienza e alta Tecnologia (DiSAT)

Via Valleggio, 11 | 22100 Como (Italy)

PRESENT POSITION

- (Nov. 2018 - Present) Assistant Professor - Occupational Medicine
DiSAT, Università degli Studi dell'Insubria, Como (Italy)
- (Jan. 2018 - Present) President; (Jan. 2015 - Present) Partner -Occupational Hygienist
Melete s.r.l. | Spin-off Company of the University of Insubria, Milan (Italy)
Consultancy on Chemical Risk Assessment and Management

PAST OCCUPATION

- (Apr. 2015 - Oct. 2018) Post-Doctoral Fellow (06/M2 - Forensic and Occupational Medicine)
DiSAT, Università degli Studi dell'Insubria
(Apr2017 - Oct 2018): *"Multi-metric approach to the occupational exposure assessment to engineered nanoparticles"*
(Apr.2015 - Mar 2017): *"Health and safety issues associated to management of chemicals and biological wastes"*

EDUCATION AND TRAINING

- (2016-2018) Specialization School (Chemical Risk Assessment and Management)
- (2011-2014) Ph.D. (Environmental Sciences)
- (2009-2011) Master's Degree (Environmental Sciences)
- (2006-2009) Bachelor's Degree (Environmental Sciences)

TEACHING EXPERIENCE (at Università degli Studi dell'Insubria (Como, Italy))

- (2020 - to date) Class of Methods and Models for the Exposure Assessment to Chemicals
- (2019 - to date) Class of Environmental Chemical Risk
- (2018 - to date) Class of Emergency Healthcare Management in the Workplace
- (2014 - to date) Class of Applied Environmental and Occupational Hygiene

CERTIFICATIONS AND SCIENTIFIC ASSOCIATIONS

- (2020 - present) Responsabile/Addetto del Servizio di Prevenzione e Protezione - Ai sensi dell'art.32 comma 2 D.Lgs 81/08 e Accordo Stato Regioni 07/07/2016 Associazione Ambiente e Lavoro (Milano): Modulo A - 28 ore; Modulo B comune - 48 ore; Modulo C - 24 ore
- (2019 - present) Senior Certified Industrial Hygienist - Specialized in the field of chemical and biological agents in compliance with UNI 11711:2018 - certificate number SC0106040004 (ICFP)
- (2019 - present) Member of the of the International Society of Exposure Science (ISES)
- (2019 - present) Member of the International Society of Exposure Science, European Chapter (ISES Europe)

- (2014-2019) Certified Industrial Hygienist, Certification N. AA2714060116 (ICFP)
- (2011-present) Member of the Italian Association of Industrial Hygienists (AIDII)

PARTICIPATION IN WORKING GROUPS

- (2019 - present) Member of the Working Group “ECHA-ENES 3.2 Consolidate the different worker exposure tools into a common framework”
- (2019 - present) Member of the Working Group “Exposure Models” of the International Society of Exposure Science, European Chapter (ISES Europe)
- (2017 - present) Member of the Stoffenmanager® International Scientific Advisory Board
- (2018-present) Board Member of the Italian Association of Industrial Hygienists (AIDII)
- (2015 - 2018) Member of the Lombardy Regional Working Group for Nanostructures and Nanomaterials

EDITORIAL ROLES

- (2019-to date) Member of the Review Board for the open access journal "Atmosphere"(ISSN 2073-443; IF 2.046) <https://www.mdpi.com/journal/atmosphere>
- (2019 - to date) Topic Editor for " International Journal of Environmental Research and Public Health (ISSN 1660-4601; MDPI; IF 2.468) https://www.mdpi.com/journal/ijerph/topic_editors
- (2019-to date) Guest Associate Editor for the Research Topic "Risk Assessment Methods for Engineered Nanomaterials in Occupational Settings" (Frontiers in Public Health; ISSN 2296-2565)
- (2019-to date) Guest Editor for the Special Issue "Miniaturized Monitors for Occupational Exposure Assessment" (International Journal of Environmental Research and Public Health; ISSN 1660-4601)
- (2019-to date) Guest Editor for the Special Issue "Modeling Tools for Occupational Exposure Assessment" (International Journal of Environmental Research and Public Health; ISSN 1660-4601)
- (2018 - to date) Review Editor on the Editorial Board of Occupational Health and Safety, part of the journal Frontiers in Public Health.
- (2017-2019) Guest Editor for the Special Issue "Air Quality Assessment for Environmental Policy Support: Sources, Emissions, Exposures and Health Impacts" (Environments - ISSN 2076-3298)
- (2017 - present) Assistant Editor of the Ital. J. Occup. Environ. Hyg. (ISSN: 2464-8817)

RESEARCH INTERESTS

Human exposure assessment in occupational and general environments; Occupational and environmental hygiene; Occupational exposure to nanoparticles and nanomaterials; Exposure modeling; Indoor air quality; Health impact assessment; Chemical risk assessment and management

RESEARCH PROJECTS

Participation in National and International Research Projects focused on Exposure Assessment and Health Effects

- “INDAIRPOLLNET” - CA17136 - Indoor Air Pollution Network - Cost Action (European Cooperation in Science and Technology)
- PRIMATE (An integrate precision medicine approach to malignant mesothelioma: from mutation load to epidemiology and therapy) (founded by Fondazione Regionale per la Ricerca Biomedica-Special project 2017: Asbestos Related diseases)

- “The European Human Biomonitoring Initiative – HBM4EU (Horizon 2020-SC1-2016-RTD, Project n. 733032) – Studio HBM4EU di biomonitoraggio occupazionale su cromo e altre sostanze chimiche nocive (WP 8.5)
- INSIDE Project (*INdividual air pollution exposure, extracellular vesicles Signaling and hypertensive disorder DEvelopment in pregnancy*) Funded by Italian Ministry of University and Research
- SPHERE (*Susceptibility to particle health effects, miRNA and exosomes*) Supported from the EU Programme “Ideas” (ERC-2011-StG 282413; P.I. Prof. Valentina Bollati)
- The MULAN Program (*a MULtilevel Approach to the study of Nanomaterials Health and Safety*) Funded by CARIPLO Foundation
- OFFICAIR (*On the reduction of health effects from combined exposure to indoor air pollutants in modern offices*) Supported by the EU in the framework of the Seventh Framework Programme (FP7)
- SINPHONIE (*Schools Indoor Pollution and Health: Observatory Network in Europe*) Funded by the Directorate General for Health and Consumer

AWARDS

- (2018) Honorable mention for the quality of the contribution presented at the first HSE Symposium - Health Safety Environment - Naples 12-13 October 2018. Awarded contribution "Retrospective assessment of exposure to asbestos fibers in occupational settings"
- (2018) Premio di studio “Gianfranco Sciarra” at the 35th Italian Industrial Hygienist Association (AIDII National Congress). Awarded project: “Development of a probabilistic and exposure-based modeling approach for risk assessment of nanomaterials.
- (2014) Awarded project-work (“Occupational exposure to nanoparticles”) in the framework of “Innotal. Talenti per l’innovazione globale e la professionalizzazione”, training course for PhD students organized by IULM University, Fondazione CRUI, CINECA, Assolombarda and Fondazione Cariplo
- (2013) ‘Young Industrial Hygienist’ award at the 30th Italian Industrial Hygienist Association (AIDII National Congress)

SCIENTIFIC PAPERS

Authorship or co-authorship of more than 50 papers published in scientific journals (43 of which in Scopus indexed journals) and of more than 70 congress presentations

- Scopus: Author ID= 55903428300; H-index = 14; Documents = 43; Citations = 537

SCIENTIFIC REVIEWER

(>150 verified reviews)

Annals of Work Exposures and Health; Journal of Exposure Science & Environmental Epidemiology; International Journal of Environmental Research and Public Health; Environmental Science & Technology; Journal of Occupational Medicine and Toxicology; La Medicina del Lavoro; Scientific Reports, Frontiers in Public Health; Journal of Toxicology and Environmental Health, Part A; Risk Management and Healthcare Policy; Italian Journal of Occupational and Environmental Hygiene; Environmental Pollution; Science of the Total Environment; Atmospheric Environment; Building and Environment; Journal of Nanoparticle Research; Aerosol and Air Quality Research; Aerosol Science & Technology; Applied Sciences; International Journal of Molecular Sciences; International Journal of Occupational and Environmental Safety; Sensors; Heliyon; Pathogens; Atmosphere; Sustainability; Energies; Asian Journal of Environment & Ecology; Climate; Safety; Toxics; Materials; Remote Sensing; Plos One; SN Applied Sciences; Environmental Health Insights; Environmental Monitoring and Assessment; Environmental Sciences: Processes and Impacts; IEEE Access; Ingegneria dell'ambiente.

*Como, 06/04/2021**Andrea Spinazzè, PhD*

Annex I: List of scientific publications and selected conference proceedings

Author: Andrea Spinazzè

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Full Articles

1. **Spinazzè A***, Zellino C, Borghi F, Campagnolo F, Rovelli S, Keller M, Fanti G, Cattaneo A, Cavallo DM. Carbon Nanotubes: Probabilistic Approach for Occupational Risk Assessment. *Nanomaterials* 2021, 11(2), 409; <https://doi.org/10.3390/nano11020409>
2. Fustinoni S*, Campo L, **Spinazzè A**, Cribù FM, Chiappa L, Sapino A, Mercadante R, Olgiati L, Boniardi L, Cavallo DM, Riboldi L, Ferrero S, Boggio F. Exposure and management of the health risk for the use of formaldehyde and xylene in a large pathology laboratory. *Annals of Work Exposures and Health*, 2021 (in press), DOI : 10.1093/annweh/wxaa141
3. Cattaneo A, Campo L*, Iodice S, **Spinazzè A**, Olgiati L, Borghi F, Polledri E, Angelici A, Cavallo DM, Fustinoni S, Bollati V. Environmental and biological monitoring of personal exposure to air pollutants of adult people living in a metropolitan area. *Science of The Total Environment*, 2021, 767 ; 144916. DOI : 10.1016/j.scitotenv.2020.144916.
4. Sakellaris I*, Saraga D, Mandin C, de Kluizenaar Y, Fossati S, **Spinazzè A**, Cattaneo A, Mihucz V, Szigeti T, de Oliveira Fernandes E, Kalimeri K, Mabilia R, Carrer P, Bartzis J. Association of subjective health symptoms with Indoor Air Quality in European office buildings: The OFFICAIR project. *Indoor Air*, 2021, 31(2) : 426-439. DOI: 10.1111/ina.12749
5. Ferrari L, Borghi F, Iodice S, Catelan D, Rossi S, Giusti I, Grisotto L, Rovelli S, **Spinazzè A**, Alinovi R, Pinelli S, Cantone L, Dioni L, Ischia B, Rota I, Mariani J, Rota F, Hoxha M, Stoppa G, Monticelli M, Cavallo DM, Bergamaschi E, Vicenzi M, Persico N, Biggeri A, Cattaneo A, Dolo V, Miragoli M, Mozzoni P, Bollati V*. INSIDE Project: Individual Air Pollution Exposure, Extracellular Vesicles Signaling and Hypertensive Disorder Development in Pregnancy. *Int. J. Environ. Res. Public Health* 2020, 17, 9046. DOI :10.3390/ijerph17239046
6. Borghi F*, Mazzucchelli LA, Campagnolo D, Rovelli S, Fanti G, Keller M, Cattaneo A, **Spinazzè A***, Cavallo DM. Retrospective Exposure Assessment Methods Used in Occupational Human Health Risk Assessment: A Systematic Review. *Int. J. Environ. Res. Public Health* 2020, 17(17) 6190. DOI : 10.3390/ijerph17176190
7. Borghi F*, Fanti G*, Cattaneo A, Campagnolo D, Rovelli S, Keller M, **Spinazzè A**, Cavallo DM. Estimation of the inhaled dose of airborne pollutants during commuting: case study and application for the general population. *International Journal of Environmental Research and Public Health* (2020), 17(17), 6066. DOI : 10.3390/ijerph17176066
8. Rovelli S*, Cattaneo A, Nischkauer W, Borghi F, **Spinazzè A**, Keller M, Campagnolo D, Limbeck A, Cavallo DM. Toxic trace metals in size-segregated fine particulate matter: Mass concentration, respiratory deposition, and risk assessment. *Environmental Pollution* (2020), 266, 115242
DOI : 10.1016/j.envpol.2020.115242

9. **Spinazzè A***, Borghi F*, Magni D, Rovida C, Locatelli M, Cattaneo A, Cavallo DM. Comparison between Communicated and Calculated Exposure Estimates Obtained through Three Modeling Tools. *Int. J. Environ. Res. Public Health* 2020, 17, 4175; doi:10.3390/ijerph17114175
10. Borghi F*, **Spinazzè A**, Fanti G, Campagnolo D, Rovelli S, Keller M, Cattaneo A, Cavallo DM. Commuters' Personal Exposure Assessment and Evaluation of Inhaled Dose to Different Atmospheric Pollutants. *International Journal of Environmental Research and Public Health* (2020), 17, 3357. DOI:10.3390/ijerph17103357
11. **Spinazzè A***, Cattaneo A, Cavallo DM. COVID-19 Outbreak in Italy: Protecting Worker Health and the Response of the Italian Industrial Hygienists Association. *Annals of Work Exposures and Health* (2020), 64, 6: 559–564 DOI: 10.1093/annweh/wxaa044
12. **Spinazzè A***, Borghi F, Cattaneo A, Cavallo DM. Valutazione del rischio chimico in ambienti occupazionali: uso di algoritmi di stima del rischio e di modelli di stima dell'esposizione. *Italian Journal of Occupational and Environmental Hygiene* (2020), 11(1): 47-51. DOI: 10.36125/ijoehy.v11i1.338
13. **Spinazzè A***, Carrieri M, Borghi F, Martinelli A, Cattaneo A, Cavallo DM. COVID-19: tutela della salute dei lavoratori. *Italian Journal of Occupational and Environmental Hygiene* (2020), 11(1): 4-12. DOI: 10.36125/ijoehy.v11i1.369
14. Heussen H*, Arnone M, van der Haar R, Borghi F, **Spinazzè A**, Hollander A. Response to Savic et al. on: Inter-assessor Agreement for TREXMO and Its Models Outside the Translation Framework. *Annals of Work Exposures and Health* (2020); 64,2 : 217–219 (*letter to the Editor*)
DOI : 10.1093/annweh/wxz094
15. **Spinazzè A***, Campagnolo D*, Cattaneo A, Urso P, Sakellaris IA, Saraga DE, Mandin C, Canha N, Mabilia R, Perreca E, Mihucz VG, Szigeti T, Ventura G, de Oliveira Fernandes E, de Kluizenaar Y, Cornelissen E, Hänninen O, Carrer P, Wolkoff P, Cavallo DM, Bartzis JG. Indoor gaseous air pollutants determinants in office buildings - The OFFICAIR project. *Indoor Air* (2020); 30: 76-87. DOI : 10.1111/ina.12609
16. Cavallo DM, Cattaneo A, **Spinazzè A**. Chemical risks in research laboratories [I rischi nei laboratori di ricerca: i rischi di tipo chimico]. *Giornale italiano di medicina del lavoro ed ergonomia* (2019); 41(4): 346-348
17. Cavallo DM*, **Spinazzè A**, Grignani E, Sesana G. Igienista industriale e occupazionale: la certificazione delle competenze in ambito AIDII. *Italian Journal of Occupational and Environmental Hygiene* (2019), 10(4): 179-185. DOI: 10.36125/ijoehy. v10i4.351
18. Cavallo DM*, Cattaneo A, **Spinazzè A**. A History of Industrial Hygiene: the Clinica del Lavoro in Milan and the Italian Association of Industrial Hygienists. *La Medicina del Lavoro* (2019), 110 (S1) : 49-56. DOI : 10.23749/mdl.v110iS1.9009
19. **Spinazzè A***, Cavallo DM. Preface: Special Issue on Air Quality Assessment for Environmental Policy Support: Sources, Emissions, Exposures, and Health Impacts. *Environments* (2019), 6, 110; DOI:10.3390/environments6100110 (*editorial*)

20. Sakellaris I*, Saraga D, Mandin C, de Kluizenaar Y, Fossati S, **Spinazzè A**, Cattaneo A, Szigeti T, Mihucz V, de Oliveira Fernandes E, Kalimeri K, Carrer P, Bartzis J*. Personal Control of the Indoor Environment in Offices: Relations with Building Characteristics, Influence on Occupant Perception and Reported Symptoms Related to the Building - The Officair Project. *Appl. Sci.* (2019), 9, 3227. DOI : 10.3390/app9163227
21. **Spinazzè A***, Borghi F*, Campagnolo D, Rovelli S, Keller M, Fanti G, Cattaneo A, Cavallo DM. How to Obtain a Reliable Estimate of Occupational Exposure? Review and Discussion of Models' Reliability. *Int. J. Environ. Res. Public Health* (2019), 16, 2764. DOI: 10.3390/ijerph16152764
22. Rovelli S*, Cattaneo A, Fazio A, **Spinazzè A**, Borghi F, Campagnolo D, Dossi C, Cavallo DM. VOCs Measurements in Residential Buildings: Quantification via Thermal Desorption and Assessment of Indoor Concentrations in a Case-Study. (2019) *Atmosphere*, 10 (2), 57
23. Campagnolo, D*, Cattaneo, A., Corbella, L., Borghi, F., Del Buono, L., Rovelli, S., **Spinazzè, A.**, Cavallo, D.M. In-vehicle airborne fine and ultra-fine particulate matter exposure: The impact of leading vehicle emissions (2019) *Environment International*, 123, pp. 407-416.
DOI: 10.1016/j.envint.2018.12.020
24. **Spinazzè A***, Cattaneo A, Borghi F, Del Buono L, Campagnolo D, Rovelli S, Cavallo DM. Probabilistic approach for the risk assessment of nanomaterials: a case study for graphene nanoplatelets. (2019) *International Journal of Hygiene and Environmental Health* 222(1): 76-83
DOI: 10.1016/j.ijheh.2018.08.011
25. Cavallo DM*, **Spinazzè, A**, Cattaneo A, Fostinelli J, Apostoli P, Lovreglio P, Soleo, L
Environmental impact of steel production process.
Giornale Italiano di Medicina del Lavoro ed Ergonomia 40(3) : 150-152
26. Cattaneo A*, **Spinazzè A**, Cavallo DM. Valori limite per la valutazione del rischio chimico a livello europeo (2018) *Italian Journal of Occupational Environmental Hygiene*, 9(2): 93 - 97.
27. Borghi F*, **Spinazzè A***, Campagnolo D, Rovelli S, Cattaneo A, Cavallo DM. Precision and Accuracy of a Direct-Reading Miniaturized Monitor in PM_{2.5} Exposure Assessment. (2018) *Sensors* 18(9), 3089. (Special Issue : Intelligent Sensor Systems for Environmental Monitoring)
DOI : 10.3390/s18093089
28. **Spinazzè A***, Cattaneo A, Borghi F, Del Buono L, Campagnolo D, Rovelli S, Cavallo DM. Exposure to airborne particles associated with the handling of graphene nanoplatelets (2018) *La Medicina del Lavoro*, 109 (4) : 285-296. DOI : 10.23749/mdl.v109i4.7069
29. Mariani J*, Favero C, **Spinazzè A**, Cavallo DM, Carugno M, Motta V, Bonzini M, Cattaneo A, Pesatori AC, Bollati V*. Short-term particulate matter exposure influences nasal microbiota in a population of healthy subjects. (2018) *Environmental Research*, 162: 119-126.
DOI: 10.1016/j.envres.2017.12.016
30. **Spinazzè A***, Del Buono L, Borghi F, Aprea MC, Bartolucci GB, Carrieri M, Grignani E, Luzzi S, Magrini A, Livigni L, Moscatelli M, Cattaneo A, Cavallo DM, Nano G. Sperimentazione di un protocollo di indagine dello stress lavoro correlato. (2018) *Italian Journal of Occupational Environmental Hygiene*, 9(1): 4 - 22.

31. Del Buono L, Campagnolo D, Keller M, **Spinazzè A***, Rovelli S, Borghi F, Cattaneo A, Bollati V, Cavallo DM. Monitoraggio e georeferenziazione dell'esposizione personale a particolato atmosferico. (2017) *Italian Journal of Occupational Environmental Hygiene*, 8(3): 113 - 119.
32. Borghi F*, **Spinazzè A***, Rovelli S, Campagnolo D, Del Buono L, Cattaneo A, Cavallo DM. Miniaturized Monitors for Assessment of Exposure to Air Pollutants: A Review. (2017) *International Journal of Environmental Research and Public Health* 14(8): 909. DOI:10.3390/ijerph14080909.
33. Rovelli S*, Cattaneo A, Borghi F, **Spinazzè A**, Campagnolo D, Limbeck A, Cavallo DM. Mass Concentration and Size-Distribution of Atmospheric Fine and Ultrafine Particles in an Urban Environment. (2017) *Aerosol and Air Quality Research* 17: 1142 - 1155. DOI: 10.4209/aaqr.2016.08.0344.
34. Bonzini M*, Pergoli L, Cantone L, Hoxha M, **Spinazzè A**, Del Buono L, Favero C, Carugno M, Angelici L, Broggi L, Cattaneo A, Pesatori AC, Bollati V. Short-Term Particulate Matter Exposure Induces Extracellular Vesicle Release in Overweight Subjects. (2017) *Environmental Research*, 155; 228-234. DOI: 10.1016/j.envres.2017.02.014.
35. Cavallo DM, Cattaneo A, **Spinazzè A***. Esposizione occupazionale a formaldeide: la proposta di Regione Lombardia. (2017) *Italian Journal of Occupational Environmental Hygiene*, 8(2): 48 - 52.
36. Szigeti T*, Dunster C, Cattaneo A, **Spinazzè A**, Mandin C, Le Ponner E, de Oliveira Fernandes E, Ventura G, Saraga DE, Sakellaris IA, de Kluizenaar Y, Cornelissen E, Bartzis JG, Kelly FJ*. Spatial and temporal variation of particulate matter characteristics within office buildings - The OFFICAIR study. (2017) *Science of the Total Environment* 587-588: 59-67. DOI: 10.1016/j.scitotenv.2017.01.013.
37. **Spinazzè A***, Borghi F, Rovelli S, Cavallo DM. Exposure assessment methods in studies on waste management and health effects: an overview. (2017) *Environments*, 4(1): 19 (Special Issue "Human Exposure to Environmental Contaminants"). DOI:10.3390/environments4010019.
38. **Spinazzè A***, Lunghini F, Campagnolo D, Rovelli S, Locatelli M, Cattaneo A, Cavallo DM. Accuracy Evaluation of Three Modelling Tools for Occupational Exposure Assessment. (2017) *Annals of Work Exposures and Health*, 61(3): 284-298. DOI: 10.1093/annweh/wxx004.
39. **Spinazzè A***, Fanti G, Borghi F, Del Buono L, Campagnolo D, Rovelli S, Cattaneo A, Cavallo DM. Field comparison of instruments for exposure assessment of airborne ultrafine particles and particulate matter. (2017) *Atmospheric Environment*, 154:274-284. DOI: 10.1016/j.atmosenv.2017.01.054.
40. Campagnolo D, Saraga DE, Cattaneo A*, **Spinazzè A***, Mandin C, Mabilia R, Perreca E, Sakellaris I, Canha N, Mihucz VG, Szigeti T, Ventura G, Madureira J, de Oliveira Fernandes E, de Kluizenaar Y, Cornelissen E, Hänninen O, Carrer P, Wolkoff P, Cavallo DM, Bartzis JG. VOCs and aldehydes source identification in European office buildings - The OFFICAIR study. (2017) *Building and Environment*, 115: 18-24. DOI: 10.1016/j.buildenv.2017.01.009.

41. Mandin C*, Trantallidi M, Cattaneo A, Canha N, Mihucz VG, Szigeti T, Mabilia R, Perreca E, **Spinazzè A**, Fossati S, De Kluizenaar Y, Cornelissen E, Sakellaris I, Saraga D, Hänninen O, De Oliveira Fernandes E, Ventura G, Wolkoff P, Carrer P, Bartzis J. Assessment of indoor air quality in office buildings across Europe - The OFFICAIR study. (2017) *Science of The Total Environment*, 579: 169-178. DOI: 10.1016/j.scitotenv.2016.10.238.
42. **Spinazzè A***, Cattaneo, A, Campagnolo, D, Bollati, V, Bertazzi, PA, Cavallo, DM. Engineered nanomaterials exposure in the production of graphene. (2016) *Aerosol Science and Technology*, 50 (8): 812-821. DOI: 10.1080/02786826.2016.1195906
43. Szigeti T*, Dunster, C, Cattaneo A, Cavallo D, **Spinazzè A**, Saraga DE, Sakellaris IA, de Kluizenaar Y, Cornelissen EJM, Hänninen O, Peltonen M, Calzolari G, Lucarelli F, Mandin C, Bartzis JG, Záray G, Kelly FJ*. Oxidative potential and chemical composition of PM_{2.5} in office buildings across Europe - The OFFICAIR study. (2016) *Environment International*, 92-93: 324-333. DOI: 10.1016/j.envint.2016.04.015.
44. **Spinazzè A***, Cattaneo A, Limonta M, Bollati V, Bertazzi PA, Cavallo DM. Titanium dioxide nanoparticles: occupational exposure assessment in the photocatalytic paving production. (2016) *Journal of Nanoparticle Research*, 18 (6), art. no. 151. DOI: 10.1007/s11051-016-3462-6.
45. **Spinazzè A***, Cattaneo A, Del Buono L, Fontana L, Iavicoli I, Cavallo DM. Engineered nanoparticles: current status of occupational exposure assessment. (2016) *Italian Journal of Occupational Environmental Hygiene*, 7(2): 81 - 98.
46. **Spinazzè A***, Cattaneo A, Scocca DR, Bonzini M, Cavallo DM. Multi-metric measurement of personal exposure to ultrafine particles in selected urban microenvironments. (2015) *Atmospheric Environment*, 110 : 8-17. DOI: 10.1016/j.atmosenv.2015.03.034.
47. **Spinazzè A***, Cattaneo A, Monticelli D, Recchia S, Rovelli S, Fustinoni S, Cavallo DM. Occupational exposure to arsenic and cadmium in thin-film solar cell production. (2015) *Annals of Occupational Hygiene*, 59 (5) : 572-585. DOI: 10.1093/annhyg/mev002.
48. **Spinazzè A***, Cattaneo A, Peruzzo C, Cavallo DM. Modeling population exposure to ultrafine particles in a major Italian urban area. (2014) *International Journal of Environmental Research and Public Health*, 11 (10) : 10641-10662. DOI: 10.3390/ijerph111010641.
49. Nørgaard AW, Kofoed-Sørensen V, Mandin C, Ventura G, Mabilia R, Perreca E, Cattaneo A, **Spinazzè A**, Mihucz VG, Szigeti T, De Kluizenaar Y, Cornelissen HJM, Trantallidi M, Carrer P, Sakellaris I, Bartzis J, Wolkoff P*. Ozone-initiated terpene reaction products in five European offices: replacement of a floor cleaning agent. (2014) *Environmental Science and Technology*, 48 (22) : 13331-13339. DOI: 10.1021/es504106j.
50. Rovelli S*, Cattaneo A, Nuzzi, CP, **Spinazzè A**, Piazza S, Carrer P, Cavallo DM. Airborne particulate matter in school classrooms of northern Italy. (2014) *International Journal of Environmental Research and Public Health*, 11 (2) : 1398-1421. DOI: 10.3390/ijerph110201398.
51. Cavallo DM*, **Spinazzè A**, Campagnolo D, Cattaneo A. Dalle emissioni fino alla stima dell'esposizione umana: rilevanza della competenza dell'igienista industriale. (2014) *Italian Journal of Occupational and Environmental Hygiene*, 4(4):175-181.

52. Cavallo DM*, Cattaneo A, **Spinazzè A**, Campagnolo D. La tossicologia nelle valutazioni di impatto (2014) *Ecoscienza*, 1:1-4.
53. **Spinazzè A***, Cattaneo A, Garramone G, Cavallo DM. Temporal variation of size-fractionated particulate matter and carbon monoxide in selected microenvironments of the Milan urban area. (2013) *Journal of Occupational and Environmental Hygiene*, 10 (11) : 652-662.
DOI: 10.1080/15459624.2013.31985.
54. Cavallo DM*, **Spinazzè A**, Cattaneo A. Microinquinanti negli ambienti di vita e di lavoro: definizioni, normativa di riferimento e aspetti applicativi. (2012) *Italian Journal of Occupational and Environmental Hygiene*, 3(1): 66-75.

Book chapters and other publications

1. L'Esposizione in ambienti indoor agli inquinanti atmosferici.
Zauli Sajai S, Marchesi S, Poluzzi, V, Brini S, Lepore A, Sinisi L, Lonati G, Spinazzè A, Cattaneo A.
In: Brini S, Lanzani C. Cuccia E. Cadum E. Lauriola P, Cattani G. Tuscano J (a cura di): *Qualità dell'ambiente urbano - XII Rapporto. Focus su Inquinamento atmosferico nelle aree urbane ed effetti sulla salute.*
ISBN 978-88-448-0794-8, Roma, ISPRA, Stato dell'Ambiente 68/16, 2016, pag. 81 - 91
2. L'ambiente indoor: elemento di criticità e risorsa per la riduzione degli effetti sanitari dell'inquinamento atmosferico.
Cattaneo A, Spinazzè A, Zauli Sajani S, Marchesi S, Rovelli S, Lauriola P, Cavallo DM
In: Brini S, Lanzani C. Cuccia E. Cadum E. Lauriola P, Cattani G. Tuscano J (a cura di): *Qualità dell'ambiente urbano - XII Rapporto. Focus su Inquinamento atmosferico nelle aree urbane ed effetti sulla salute.* ISBN 978-88-448-0794-8, Roma, ISPRA, Stato dell'Ambiente 68/16, 2016, pag. 170-178
3. Atti del 32° Congresso Nazionale di Igiene Industriale (Book of abstract for the 32nd Italian National Congress of Occupational Hygiene).
Associazione Italiana degli Igienisti Industriali (AIDII)
Editors: Aprea MC, Carrieri M, Cavallo DM, Cattaneo A, Luzzi S, Sciarra GF, Spinazzè A
ISBN 978-88-86293-27-3

Conference proceedings (selected)

1. **Spinazzè A***, Borghi F*, Cattaneo A, Cavallo DM. Stima dell'esposizione dei lavoratori: alcuni esempi applicativi mediante l'uso di modelli. Atti del convegno nazionale REACH-OSH2019 SOSTANZE PERICOLOSE: Valutazione dell'esposizione, Misurazioni e Monitoraggi, Autorizzazione e Restrizione all'uso - ISBN:978-88-944190-2-3. Bologna, 16 ottobre 2019. **(INVITED SPEAKER)**
2. Borghi F*, **Spinazzè A**, Campagnolo D, Keller D, Rovelli S, Cattaneo A, Cavallo DM. Exposure to Airborne Particles Associated with Handling Graphene Nanoplatelets. EAC 2019 - European Aerosol Conference. 25-30 August 2019, Gothenburg, Sweden.

3. *Borgbi F*, Cattaneo A, Spinazzè A, Campagnolo D, Rovelli S, Del Buono L, Cavallo DM.*
In-field evaluation and comparison of PM_{2.5} miniaturized monitor. Abstract MP-42. Aerosol Technology, AT2018 - June 18-20, 2018 at the University of the Basque Country, Bilbao, Spain.
4. *Spinazzè A*, Cattaneo A, Cavallo DM.*
A probabilistic approach for the occupational risk assessment of nanomaterials: a case study for graphene nanoplatelets (Abstract A073). Aerosols 2018 - 5th Workplace and Indoor Aerosols Conference, 18-20 April 2018 - Cassino, Italy.
5. *Borgbi F, Spinazzè A, Fanti G, Del Buono L, Campagnolo D, Rovelli S, Cattaneo A, Cavallo DM*
Field comparison of instruments for measurement of air pollutants (Abstract T303N4b1) European Aerosol Conference 2017, 27 August–1 September 2017 Zurich (Switzerland),
6. *Spinazzè A, Cattaneo A, Limonta M, Bertazzzi PA, Cavallo DM*
Occupational exposure to engineered TiO₂ nanoparticles: a case study
Symposium on the health protection of the Nanomaterial Workers, International Commission on Occupational Health (ICOH), 25 - 26 February 2015, Roma (Italia)
7. *Spinazzè A, Cattaneo A, Cavallo DM*
Individual exposure to size-fractionated particulate matter and carbon monoxide in selected micro-environments of the urban area of Milan.
Conference on Environment & Health / Conference of ISEE, ISES and ISIAQ. 19 - 23 August 2013 Basel (Switzerland) (Environ Health Perspect; <http://dx.doi.org/10.1289/ehp.ehbasel13>).