

# **CURRICULUM VITAE**

**Andrea Cattaneo**

## **PRESENT POSITION**

Associate Professor, Università degli Studi dell'Insubria, Dep. Science and High Technology

Director of the Specialization School in Occupational Medicine

## **PAST OCCUPATIONS**

Assistant Professor at Dep. Science and High Technology, University of Insubria

Laboratory technician coordinator and head of the Laboratory of Diffractometry and Microscopy at the Dep. of Occupational and Environmental Health, University of Milan.

2005-2008; Post-doc fellowships, University of Milan and University of Insubria,

## **EDUCATION AND TRAINING**

University of Pavia, 2nd Level Master degree, 2008 - Toxicology

University of Milan, PhD, 2005 - Occupational Health and Industrial Hygiene.

University of Milan, Master Degree, 2000 - Geological Sciences

## **TEACHING**

Holder of the courses of:

- Human exposure assessment to risk agents, 3-year bachelor degree in Environmental and Natural Sciences, Università degli Studi dell'Insubria
- Applied Occupational and Environmental Hygiene, 2-year master's degree in Environmental Sciences, Università degli Studi dell'Insubria
- Global changes and human health, 2-year master's degree in Environmental Sciences, Università degli Studi dell'Insubria
- Safety Techniques and Industrial Hygiene, 2-year master's degree in Safety and Prevention Engineering in the Process Industry, Politecnico di Milano

Holder of courses within the PhD program in Chemical and Environmental Sciences, the Post-graduate School of Occupational Medicine, the Post-graduate school of Chemical Risk Assessment and Management. Tutor or co-tutor of about 80 theses.

## **CERTIFICATIONS AND ASSOCIATIONS**

2022-present Member of the Italian Society of Occupational Medicine (SIML)

2011-present. Certified Industrial Hygienist, number AA2111020095 (ICFP certification).

2006-present. Member of the Italian Association of Industrial Hygienists (AIDII): in the board of directors since 2015 and Treasurer since 2018.

## **MAIN RESEARCH INTERESTS**

- Human exposure assessment in occupational, urban and indoor environments
- Indoor air quality
- Health impact assessment

- Risk assessment arising from nanoparticle exposures
- Risk management and public health
- Particulate matter, mineral fibres, volatile organic compounds, heavy metals

### **EDITORIAL ACTIVITY**

- Book Editor "Il monitoraggio degli aerosol - aspetti teorici e pratici per la valutazione dell'esposizione", ISBN:97888886293396. In Monografie in igiene industriale vol. 3, AIDII, 2020, 159 pp.
- Guest Editor of the special issue "Human Exposure to Environmental Contaminants", Environments
- Guest Editor of the special issue "Miniaturized Monitors for Occupational Exposure Assessment)", International Journal of Environmental Research and Public Health
- Scientific Editor of several congress proceedings

### **CONGRESSES**

- Member of organizing and scientific committees of national congresses (32°-38° Congresso Nazionale di Igiene Industriale e Ambientale AIDII)
- Member of the scientific committee of the International Congress SBE19 - Resilient Built Environment for Sustainable Mediterranean Countries
- Invited chairman at international and national congresses

### **SCIENTIFIC REVIEWING**

- Scientific reviewer of 86 manuscripts for 36 indexed journals

### **AWARDS**

- Excellence in reviewing award, Chemosphere
- Outstanding Reviewer for the following journals:
  - Environmental Pollution
  - Environment International
  - Building and Environment

### **RESEARCH PROJECTS**

Unit Coordinator - INSIDE project: INdividual air pollution exposure, extracellular vesicles Signaling and hypertensive disorder DEvelopment in pregnancy. Founded by the Italian Ministry of University and Research

Subtask Coordinator – WG4d Sampling and physico-chemical characterization of particulate matter. "INDAIRPOLLNET" –CA17136 - Indoor Air Pollution Network - COST Action (European Cooperation in Science and Technology)

Participation in research projects funded by national and international Authorities and Institutions. Some of these are reported hereafter.

1. Evaluation of the effect of atmospheric pollutants on the health status of traffic policemen. Sponsor: Italian National Institute for Occupational Safety and Prevention

2. The PM-CARE project - Cardiovascular effects of short-term exposure to urban particulate matter. Sponsor: Italian Ministry for Research.
3. Natural asbestos in Valmalenco. Supported by the Lombardy Regional Institute for research (Contract number 2007B079).
4. Assessment of Indoor Air Quality in residential buildings of the Province of Lodi. Funded by the Local Health Unit of the province of Lodi.
5. SYNERGY - Pooled analysis of European case-control studies on interactions of occupational carcinogens in lung cancer development. Funded by the International Agency for Research on Cancer.
6. 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).
7. SINPHONIE - Schools Indoor Pollution and Health: Observatory Network in Europe (1/10/2010-30/9/2012). Funded by the Directorate General for Health and Consumer
8. RADICAL RADon: Integrating Capabilities of Associated Labs. Supported by the European Union via the INTERREG III A initiative (Italy-Switzerland) 2007-2013
9. Health Impact Assessment for the International Exhibition EXPO2015, founded by EXPO2015 Inc.
10. The MULAN Program: a MULTilevel Approach to the study of Nanomaterials Health and Safety". Sponsor: CARIPLO Foundation. 2012-2015
11. "Progetto Supersito". Funded by the Regional Agency for Environmental Protection of the Emilia-Romagna region.
12. "The European Human Biomonitoring Initiative". Work Package 8.5. Founded by the EC - Horizon-2020
13. PRIMATE "An integrated precision medicine approach to malignant mesothelioma: from mutation load to epidemiology and therapy". Founded by the Regional Foundation for Biomedical Research (FRRB) of Lombardy.

## **SCIENTIFIC PRODUCTION**

Author or co-author of about 90 papers published in international and indexed journals, about 190 congress presentations, 8 book chapters.

H-Index WoS = 24

H-Index Scopus = 26

## **WEB**

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<https://scholar.google.it/citations?user=-zUm5rEAAAAJ&hl=it>