

Special Issue

Integrated Evaluation of Indoor Particulate Matter (VIEPI) Project: Study Design, Results and Open Questions

Message from the Guest Editor

Health of workers is one of the tasks of the Italian Workers' Compensation Authority (INAIL), sponsor of the project VIEPI (Integrated Evaluation of Indoor Particulate Exposure) aimed at evaluating indoor air quality and exposure of workers to particulate matter (PM). Indoor air quality depends on indoor pollutant sources, outdoor characteristics (meteorological conditions and pollutant concentrations), and indoor–outdoor air exchange rate. Infiltration factors of PM in rooms of different sizes and ventilation regimes and their dependence on outdoor and indoor characteristics (e.g., mean velocity, temperature, pressure and thermal stability conditions) are some of the goals of the project. For these purposes, several indoor environments located at the INAIL Research Centre (Rome, Italy) and at the Physics Department of the University of Rome “La Sapienza” have been considered during the project. A two-year field campaign has been conducted in order to simultaneously collect micrometeorological data and PM concentration, both outdoor and indoor.

Guest Editor

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