

**EXPOSURE OF CITY RESIDENTS TO CO IN ATHENS URBAN AREA:
MICROENVIRONMENTAL STUDIES OF PERSONAL CO EXPOSURE**

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ABSTRACT

Several microenvironment types, highly affected by vehicular emissions are simultaneously sampled to provide specific information on CO concentration on these microenvironments. This study focused on the commuting, shop and kiosk microenvironments found that: Athens commuter were exposed to mean CO levels that typically ranged from 14 to 30ppm auto commuters; 8 to 14ppm for bus commuters; 7 to 10ppm for trolley commuters. Indoor hourly mean CO concentrations typically ranged from 4,5 to 8ppm for shops, and 5 to 17ppm for kiosks. Professional drivers and kiosk employees' exposure exceeded 9ppm for 8 h during the study period.