Name-Surname	Penelope Siamata
Thesis Title	*Study of the effect of exhaust particulates on diesel engines to humans*
Supervisor	M. – N. Assimakopoulos, Assistant Professor
Summary	This dissertation has been elaborated in the Department of Physics of the University of Athens within the framework of the postgraduate program "Environmental Physics". The study was based on specialized measurements, related to indoor air quality and physics. The equipment used was granted by the accredited Laboratory of Internal Air Quality Control of the University of Athens. The purpose of the work is to study the effect of the internal environment of a well-insulated indoor parking space with the presence of a car on people in the area. Within this purpose, concentrations of suspended particulate matter (PM2.5) and carbon monoxide (Co) contents were recorded during periods of operation and periods of non-operation of the vehicle's engine. Chapter 1 mentions the purpose of the essay as well as the bibliographic review of the subject of this dissertation. Chapter 2 develops the theoretical background of the article, which includes the analysis of the key pollutants of interest in the paper, their effect on humans and the technical description of the diesel engines. Chapter 3 describes the experimental process that includes the general features, experimental layout, and how to perform the experiments. Chapter 4 presents the analysis and processing of data. Finally, chapter 5 summarizes the results.
Key words	Suspended particles, interior environment, boxplot, monoxide, diesel engine
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