

## VPLYV POUŽITIA SPLYŇOVACIEHO ZARIADENIA NA MNOŽSTVO EMISÍ CO<sub>2</sub> Z OSOBNÝCH AUTOMOBILOV V CESTNEJ DOPRAVE

Viliam CARACH

Ústav montánných vied a ochrany životného prostredia, Deliusov Pavilón, Park Komenského 19, 043 84 Košice,  
viliam.carach@tuke.sk

### ABSTRACT

Carach V.: **The Influence of using LPG Device on CO<sub>2</sub> Emissions from Personal Passenger Cars**

Traffic, mostly air and car traffic is the biggest producer of CO<sub>2</sub> (51%) in present. CO<sub>2</sub> is one of the most important greenhouse gases with more than 50% of emissions contributing for this major global ecological problem. Rising concentration of CO<sub>2</sub> in atmosphere leads to higher global temperatures. The main problem is the rise of CO<sub>2</sub> emissions in most developed countries despite international undertakings accepted in 80's. This is the main reason for finding solutions to reduce the amount of CO<sub>2</sub> emissions in traffic. One of many solutions is the use of LPG fuel. The purpose of this article is to quantify the effectivity of using LPG in personal passenger cars.

**Key words:** LPG, urban traffic, MEET, air pollution, mobile source, carbon dioxide