

Table of Contents

Strategy and Policy of Sustainable Transport

MÁČA V., MELICHAR J. External Costs, Internalization and Optimal Use of Transport Infrastructure	5
NOVÁK P. The Czech NGV Market	13
MARTINEK J. How to Further Promote Bicycle Transport? Be Inspired by Denmark	23
HEINRICH J., HEINRICOVÁ J. Road Traffic Safety as an Integrated Part of Injury Prevention Policies	31

Evaluation of Transportation Impact on the Health and Environment

POSPÍŠIL J., JÍCHA M. Particle Re-suspension in City Areas with Intensive Traffic	39
KREJČÍ B., VOLNÁ V., SEZIMOVÁ H. The Evaluation of air Pollution at the CHMI Traffic Stations in the Czech Republic	47
ŘURČANSKÁ D., JANDAČKA J. Reference Diagnostics of Air Pollution in the Vicinity of Local Roads	55
SKEŘIL R., ELFENBEIN Z. The Traffic Influence on the Air-Quality in Brno	63
BRŮHOVÁ - FOLTÝNOVÁ H. Transportation, Air Pollution and Physical Activities – An Integrated Health Risk Assessment	69
KOČÍ V., JUDL J. Potentialities of Application of LCA in Personal Transport	77
KOŘÍNEK R., KOČÍ V. Evaluation of the life cycle of the standard car tyre by LCA method	83
ČORŇÁK Š., JAROŠOVÁ A. The Screening of Phthalic Acids Esters in Construction Materials of Vehicles (5).....	91
DOSTÁL I., HAVLÍČEK M., HUŽLÍK J. Evaluation of Transport Impact to the Landscape	97
HOFMAN J., ANDĚL P., TRÁVNÍČKOVÁ E. Effects of Winter Road Salting on Soil Microorganisms	105
POTUŽNÍKOVÁ D. Assessing Health risks of Noise Exposure from Road Transport	113
FUCHS P., NOVÁK J., SASKA T. Transport Risk Assessment for the Environment	119
BALATKA M. The Spill Flow Simulation Next to Road	127

Measures for Reducing the Environment Burden from Transport

KOVÁŘ P., LACNÝ Z., PŘIKRYL J., MATĚJKA V. The Route for the Decreasing of Air Pollutants Using Photocatalysis over Titanium Dioxide Incorporated in to Different Kinds of Concrete Surfaces	133
ELFENBEIN Z., SEJRKOVÁ I., GREPL Z. Education and Edification – an Important Part for Improving the Air Quality	139
CEMPÍREK V., RATHOUSKÝ B. E. Technologies of Decreasing of Harmful Pollutants in Road Vehicles' Exhaust Gases	143
ŠERÁ B. Roadsides Function as Halophyte Habitats in the Landscape	149
SCHMEIDLER K. Walking as a Greenest Mode of Transport in Cities	155

Poster section

HABÁSKOVÁ L. Noise from Rail Transport - Squealing Noise	163
ŠTULÍKOVÁ L. New Trends in Reducing Noise Emissions in Railway Track	177
MACHALÍKOVÁ J., SEJKOROVÁ M., LIVOROVÁ M., KOCOUREK L., ČORNÝ Š. Possibilities of Reducing the Consumption of Lubricants in Traffic	185
HAVLÍČEK M., SLAVÍK P., SUCHARA I., SUCHAROVÁ J. Monitoring of the Atmospheric Deposition Loads of Selected Elements in Moss Occurring in the Forest in Relation to Traffic Intensity	195
NEUBERGOVÁ K. Urban Sprawl Syndrome and Transport	203
MATEROVÁ H., CAJTHAML T., ŠMEJKAL P. Influence of Newly Added Bio Components on the Fate and Performance of Fuels in Environment	209

Other Papers

ADAMEC V., LIČBINSKÝ R., SIKOROVÁ L., HUZLÍK J. Platinum, Palladium and Rhodium in the Environment.....	217
ŠPIČKA L., DUFEK J. Tools for Promoting Clean Vehicles in Cities and Environmental Assessment	225
KŘIVÁNEK V., CHOLAVA R. Static a Dynamic Method for the Measurement of the Noisiness of Road Surfaces	231
JEDLIČKA J., KORTANOVÁ J., DOSTÁL I. Planning for Sustainable Development of Towns and Villages	237