

BOOK OF ABSTRACTS

EPMR-2002

INTERNATIONAL CONFERENCE

**ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION**

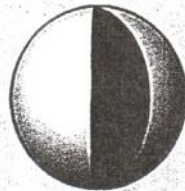
E
d
i
t
e
d

b
y

H.

G
ö
k
ç
e
k
u
ş

ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION
ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION
ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION
ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION
ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION
ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION
ENVIRONMENTAL PROBLEMS OF
THE MEDITERRANEAN REGION



1988

Organized by: NEAR EAST UNIVERSITY

12-15 APRIL 2002
NEU Nicosia-Northern Cyprus

IMPACTS OF A MOTORWAY TO ITS VICINITY

Ilyas Yilmazer*, Özgür Yilmazer*, Hidayet Taga***

***ATILIM University, Civil Engineering Department,
Kızılcaşar köyü, 06836 İncek, Ankara
TURKEY**

****YILMAZER Education and Eng., Çetin Emeç, 8. Cad.,
89. Sok., 9/8, 06460 Çankaya, Ankara
TURKEY**

****MERSIN University, Faculty of Engineering, Mersin
TURKEY**

Motorway has significant impacts on environment, particularly, air-water-soil pollution, noise pollution, view pollution, and landscape destruction. The planned (1972) trans-European motorway (TEM) network is over ten countries has a length of 10 000 km. More than one third of the TEM is over Turkey as planned in 1972. Turkey has completed more than the planned length whereas the other countries still enhance their speedy railway system. The percentage of the railway in mass transportation is 10 times less than that of the other 9 countries.

The Union of Chambers of Turkish Engineers and architects had strong objection to increase the highway percentage in mass transportation up to 95% by constructing motorways. By the way, the railway percentage went down and became simply 4%. Now, it is very explicit that the motorway is not a viable solution for mass transportation.

The Ankara-Istanbul motorway is a typical one which goes over four domestic water supply dam reservoirs and its main branches. Furthermore, it pollutes the very fertile lands created by North Anatolian Fault (NAF) during the last 12 million years. Around 250 km portion of this motorway goes along the NAF, although another alternative crossing the NAF at a right angle.

KEYWORDS: Motorway; traffic pollution; land degradation; dam; water pollution.