



The Laboratory of Geographical Research and Environmental Planning was established on 20/07/1998 according to the Law Decree 219/98. It has been operating as a research unit in the Department of Planning and Regional Development, University of Thessaly since 1996.

The Laboratory of Geographical Research and Environmental Planning provides educational and research support in the fields of geography and environment and especially in topics such as: natural geography, human geography (urban and rural), developing countries' geography, ecosystems analysis and management, environmental engineering, environmental impact studies, environmental planning and natural resources management. It also has a long- time experience in organizing international and Greek conferences in subjects related to environmental management and engineering.

The services provided from the Laboratory are the following:

- 1) advice in topics such as environmental planning, as well as protection and management of the environment,
- 2) research programs and studies related to environmental, geographical and regional planning subjects,
- 3) organization of seminars and conferences related to spatial and environmental planning subjects,
- 4) cooperation and exchange of scientific knowledge with other Greek or foreign educational and research foundations,
- 5) educational services for the needs of the Department at graduate and post-graduate levels.



Projects that the Laboratory has participated in:

<u>Title</u>	<u>Awarding Authority</u>	<u>Year</u>
Second Panhellenic Conference on Planning and Regional Development	Participants and sponsors	2008-2009
Second International Conference in Environmental Management Engineering and Planning (CEMEPE) and SECOTOX Conference	Participants and sponsors	2008-2009
"PETHAGORAS II-ENVIRONMENT. Design and implementation of a simulation model and a pilot plant useful in wastewater treatment for educational purposes"	Greek Ministry of Education	2005-Today
Small and Decentralized Water and Waste Water Treatments Plants Conference	Participants and sponsors	2007-2008
Mediterranean Cooperation for On-Shore Accessibility and Sustainability Themes: Network for managing urban coastal areas, INTERREG IIIB, MedCOAST.Net	EU - European Regional Development Fund, GR- Ministry of Economy and Finance and Ministry of National Education and Religious Affairs	2007-2008
First International Conference in Environmental Management Engineering and Planning (CEMEPE) and SECOTOX Conference	Participants and sponsors	2006-2007
"Recycling of electrical and electronic appliances – Prospect of life", EQUAL	European Union, GR- Ministry of Economy and Finance	2004-2007
12th International Symposium on Toxicity Assessment"	University of Thessaly	2004-2005
Toxicity evaluation of major discharges in the coastal areas by using various bioassay and biomarker techniques	Greek- Turkish cooperation program, GGET, Greek Ministry of Development	2003-2005
"Solid waste analysis"	Various companies	2002-2004
International Conference of Sustainable Planning and Development	Participants and sponsors	2002-2003
Mapping of waste landfill sites in Magnesia Prefecture	Greek Ministry for Environment, Physical Planning and Public Works	2000-2001
Implementation of Environmental Policy in Urban Planning in the Framework of LIFE- Environment Programme. Municipality of Evosmos – Thessaloniki	European Union	1997-1999
Protection of the Environment in the Islands of Cephalonia and Ithaca and the broader area of Ionian Sea	Foundation of Cephalonia and Ithaca	1997-1999
An Assessment of Cultural Heritage and classification of Historical Monuments of Cephalonia and Ithaca	Foundation of Cephalonia and Ithaca	1997-1998



### **Articles published in refereed journals**

- Kungolos A., Emmanouil C., Tsiridis V. and Tsiropoulos N. (2009) Evaluation of toxic and interactive toxic effects of three agrochemicals and copper using a battery of microbiotests. *Science of the Total Environment* 407, 4610-4615.
- Petala M., Samaras P., Zouboulis A. Kungolos A. and Sakellaropoulos G.P. (2008) Influence of ozonation on the in vitro mutagenic and toxic potential of secondary effluents. *Water Research* 42, 4929 – 4940.
- Kungolos A., Samaras P., Tsiridis V., Petala M. and Sakellaropoulos G. “Bioavailability and toxicity of heavy metals in the presence of natural organic matter”, *J. Environ. Sci. Health A*. 41, (8), 1509-1517, 2006.
- Papaioikonomou K., Kipouros S., Kungolos A., Somakos L., Aravossis K. and Antonopoulos I. (2009) Marginalised social groups in contemporary WEEE management within social enterprises investments: a study in Greece", *Waste management* 29 (5), 1754-1759.

### **Books - Book Editing**

- Kungolos A., Aravossis K., Karagiannidis A. and Samaras P. (eds) (2007), *First International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE)*. Vol. 4, CD-Rom.
- Kungolos A. (2005), *Introduction to Environmental Engineering*. Publication Tziolas, Thessaloniki. (in Greek)
- Kungolos A., Brebbia C.A. and Beriatos E. (eds) (2005), *Sustainable Development and Planning II*. WIT Press, Southampton, UK.
- Kungolos A. (guest eds.) (2005), *Environmental Toxicology*. Special Issue: 12th International Symposium on Toxicity Assessment, Wiley Publishers.