



## Noise Pollution Mapping in Konya (Turkey) City Hospitals Using GIS Model<sup>#</sup>

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**Abstract:** Noise is an important environmental problem today and can be defined as undesirable voices which affect people's auditory health and perception negatively, damage physical and psychological balance, bring negative effects on people. Noise pollution has become an important problem in metropolitan cities, because of the increasing population, industry and traffic load. Usage area of GIS has increased as a result of speedy development in information technology. Geographic Information System applications on health and environment gained currency in our country as well as in many country and have found application area in health centers, recently. Detecting noise level by preparing noise maps with using GIS has become very important fort in the hospital management and patients in taking measures for annoying voices to provide patients who come to hospital leave peacefully. In this study, noise maps of five different hospitals with excessive patients in Konya have been given with the help of GIS and recommendations were given in order to take measures fort the problematic places.

**Key words:** *noise; environment; map; hospital; GIS; Konya*

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<sup>#</sup>This study has been presented at BIES'08, Giresun-Turkey