

**AIR ELECTRICAL CONDUCTIVITY VARIATIONS DURING MAXIMUM
AND MINIMUM AIR POLLUTION LEVELS IN ATHENS**

D. RETALIS¹ and A. RETALIS²

*¹National Observatory of Athens, Institute of Meteorology and Physics of the
Atmospheric Environment, P. O. Box 20048 Thessio, 118 10 Athens*

*²Integrated Information Systems S.A., Department of GeoInformation and
Environmental Studies, 72-74 Salaminos Str., Kallithea, 175 76 Athens*

ABSTRACT

In this paper the variations of the air electrical conductivity were examined according to the maximum and minimum in air pollution (smoke and SO₂) levels, for the period 1971-1980. The results showed that the air electrical conductivity is strongly influenced by the air pollution and it presents an opposite course. The air pollution maximum values (conductivity minimum) occur during winter months, while the air pollution minimum values (conductivity maximum) occur summer months.