



Air Quality Forecast Study in Istanbul

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Good quality food, water and air are essential requirements for sustainable quality of life. Air pollution is considered to be one of the major problems in megacities with many consequences for human beings including health issues and global warming. Decreasing of air quality level in the urban area is a serious issue usually depends on some meteorological condition all over the world. Prediction of weather and pollution continue to improve by lots of modelling group. The strategy of new generation integrated Meso-Meteorological and Atmospheric Chemical Transport Model systems suggest considering the urban air quality. Chemical weather forecasts of high quality will be highly valuable, so we are member of The Action - European framework is already an on-going project, "COST Action ES1004: European framework for online integrated air quality modelling and Meteorology" system by participating organizations carrying out work in Istanbul. For this purposes we considered an investigation and predictions of meteorological variables during air pollution episode period in Istanbul. We have evaluated the performance of operational versions of the numerical weather prediction model WRF-CHEM.

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