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Effect of different land cover/use types on canopy layer air temperature in an urban area with a dry climate

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1 **Effect of Different Land Cover/Use Types on Canopy Layer Air Temperature**  
2 **in an Urban Area with a Dry Climate**

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17 **ABSTRACT**

18 Knowledge of the influence of land cover on air temperature in arid cities is scarce, yet  
19 essential for urban planners to select landscape design and management strategies which can  
20 improve livability and provide efficient landscape irrigation. The objectives of this study were to  
21 consider the effects of urban land use on air temperature changes in an arid city based on data  
22 collected in Isfahan, Iran at a local scale. This study reports a statistical analysis of temperature  
23 variation with respect to land use throughout the day and night. It is also the first study to report  
24 the effects of land cover on the time that daily minimum and maximum temperature occurs. The

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