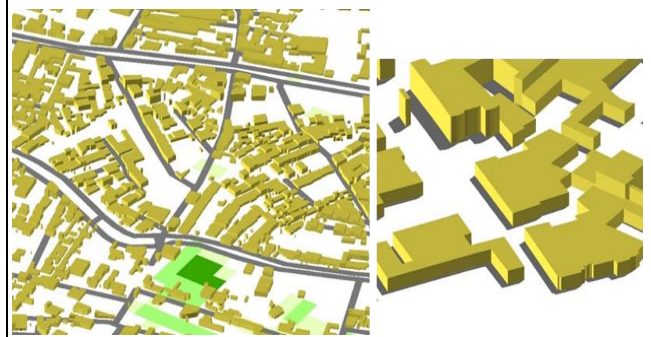
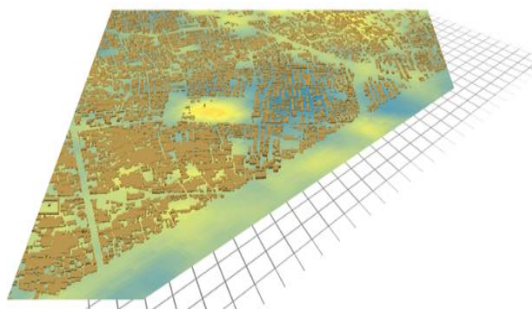




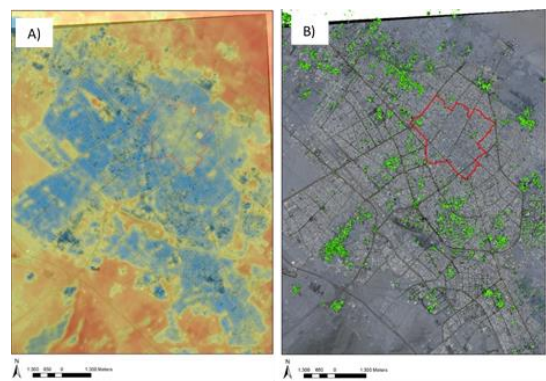
**Figure 1.** Location and the spatial orientation of the ancient district (A) made of adobe bricks and the recent structured district (B) made from bricks.



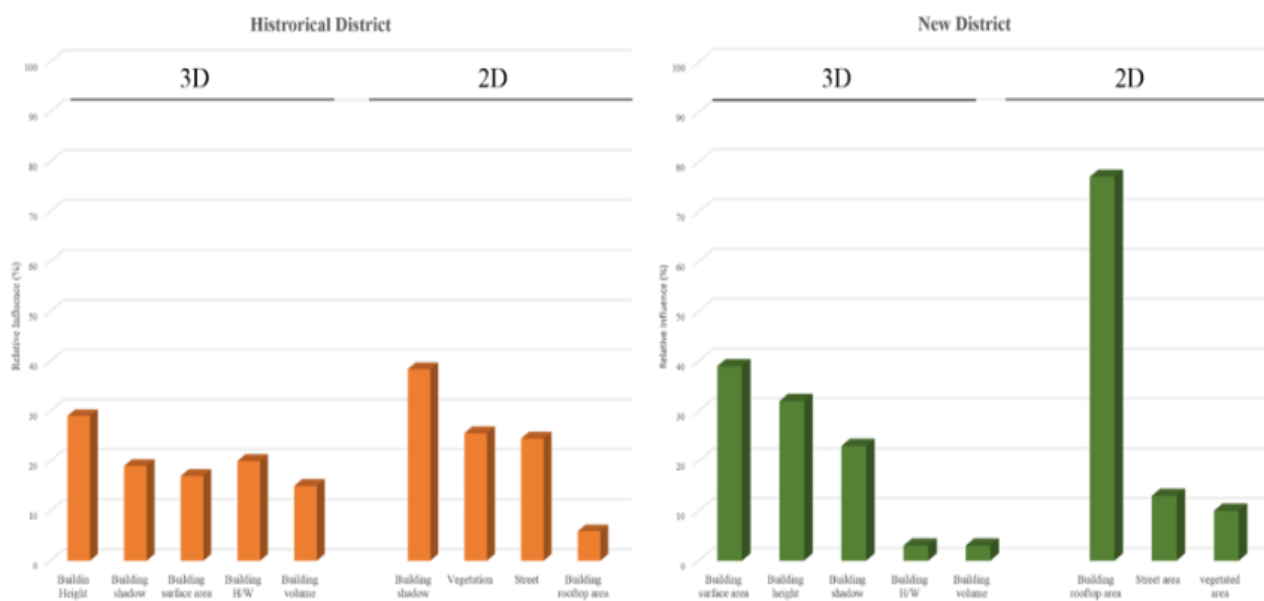
**Figure 2.** The city of Yazd in 3D (left) and building shadows extent on July 9th 2016 at 10:30 AM (right).



**Figure 3.** Aggregated data into a regular grid-cell of 30 m x 30 m.



**Figure 4.** Surface temperature of Yazd (A). Historical district shows a warmer surface temperature in contrast with its surrounding district (new district). B) The distribution of vegetation over the study area.



**Figure 5.** The relative influence of 2D and 3D parameters on surface temperature.