

## **Environmental Impacts and compatible Urban Design (Case Study of Bam Citadel)**



**Author**     **Ph.D. N.Mohajeri**

**Address**   P.O.BOX 15875 – 1768 No.701, Hafez Street, Tehran, Iran

**E-Mail**     [nahid\\_arch@yahoo.com](mailto:nahid_arch@yahoo.com)

### **ABSTRACT**

Bam citadel is the greatest and oldest mud- brick construction of the world. It includes three parts of residential, military and citadel with covering an area of sq.ms 200,000. This article explores the skills of design used in urban spaces of Bam citadel with considering of environmental characteristics such as temperature, wind, sunshine, water, vegetations and analyzes them. This paper discusses the role of such factors as the orientation of ways and buildings , the relation of height to cross passages , using local materials , the relation between urban form and environment,...in the structure of spatial of Bam citadel. Finally, it will present compatible urban design strategies regarding the topic of the research.

### **Keywords:**

Environmental impacts, compatible designs, hot-arid zone, Bam citadel