

## Persian Garden Design and Climate Case Studies: Shahzadeh-Mahan and Shah Garden

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**Abstract :** Gardens symbolize human effort to bring Eden to earth and are defined as the purest pleasures and the greatest inspiration for men. According to Persian mythology, a garden called "Paris" is a magical, perfumed place populated by beautiful and angelic creatures. "Pardis" comes from the word "paridaiza," which means "walled garden." Gardening has always been a worldwide attraction due to the abundance of green space, and desert gardens are no exception. Because most historical garden designs use a similar pattern, such as Chahar-Bagh, climate effects have not been considered. The purpose of studying these general designs was to determine whether location and weather conditions are affecting them. So, two gardens were chosen for comparison: a desert (Shahzadeh-Mahan) and a humid garden (Shah) and compared their geometry, irrigation system, entrances, and pavilions. The findings of the study revealed that there are several notable differences among their architectural principles. For example, the desert garden design is introverted with transparent surfaces and a single focal point, while the moderate garden is extraverted with high complexity and multiple perspectives. In conclusion, the study recognizes the richness and significance of the Persian garden concept, which can be applied in many different contexts.

**Keywords :** Pardis, Chahar-bagh, Persian garden, temperate, humid climate, geometry, pavilion, irrigations, culture

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