Ilkhanid Urban Planning; the Manifestation of the First Large-Scale Public Spaces on a Geometric Scale in Iranian-Islamic Cities

Abstract

The Ilkhanid era in Iranian-Islamic urban planning can be considered as a transition period from Razi style to Isfahani style. The status of this period in Iranian urban planning is due to the fact that on the one hand, following the special situation after the devastating Mongol invasion, it has maintained the evolution of Iranian urban planning and on the other hand, the necessary background for the formation of Isfahani style in the Safavid period is shaped (1135-907 AH). The present research is accomplished by a descriptive and analytical method by the means of library resource data. Research findings indicate that the urban planning and architecture features of the Ilkhanid era seeks to create glory and splendor in the form of tall porches, higher heights of domes and openings, large and long spaces, more accurate and proportionate dimensions in the architecture of large squares of urban complexes all within the form of a complete urbanization forms. In fact, the purely geometric shape of large-scale urban spaces in Ilkhanid urban planning is significantly dissimilar from the courtyards of earlier urban complexes and body-like squares within urban contexts. The destruction of the socio-economic-physical structures of cities by the Mongols at the beginning of the seventh century AH, led to the reinvention of the concept of the square in a higher structure at the end of this century that included a large-scale geometric structure that became global regarding the urban planning of the Safavid period.

Research aims:

1. Recognition of public space styles in chronology of architectural-urban planning styles in Iran.

2. Study of the characteristics of public spaces in the urban planning of the Ilkhanid period.

Research questions:

1. In architecture and urban planning in the history of Iran, what styles have existed in creating public spaces?

2. What are the characteristics of public spaces in the urban planning of the Ilkhanid period?

Keywords: Iranian-Islamic city, urban planning, Ilkhanid era, geometric public space.
Introduction

Urban spaces are part of the open and public spaces of cities that are a crystallization of the nature of collective life, that is, where citizens are present. A space that allows all people to access and work. The nature of public spaces is that they are easily accessible and include enclosed spaces without roofs (religious buildings and civic organizations). These spaces have diverse bodies including the built structure to natural environments. With such a definition of urban space, a re-reading of Iranian-Islamic cities shows that until the period of the Ilkhanid era reforms, there was no large-scale, geometric and pre-conceived urban space that was used by the public for general social activities. In fact, it can be acknowledged that until the Ilkhanid era, the urban planning system was designed only on the scale of government-religious spaces, or the generalities of urban planning, including determining the general shape of the city. The formation of urban units such as neighborhoods, public open spaces and even the physical shape and form of the market, has been formed gradually and completely organically around the designed centers. Depending on the worldview of the rulers before the Ilkhanid period, the space and place that was designed for the gathering of a large number of people (at the city level) was either a government space such as a palace or an ideological space such as a mosque. What is emphasized here is the single function and specificity of the mentioned spaces. Obviously, the palace complex demands its own rules for the entry and exit of the general public. Therefore, open, large, geometric and pre-conceived spaces cannot be considered as public urban space. Religious-ideological open spaces, such as courtyards of mosques or open spaces around fire temples, have had their own functional rules throughout history, consequently, they cannot be used as public urban space.

Regarding the background of the present study, it should be said that no independent work with this title has been written so far. However, articles on urban planning and urban spaces have been published regarding the Ilkhanid period. An article entitled "Factors and Elements of Formation and Elements of Cities of the Ilkhanid Period" written by Talebonia and Najafi (2015) has been written in which the authors have analyzed the effective factors in the urban planning of the Ilkhanid period. Another article entitled "An Analysis of Urban Spaces from Tabriz Ilkhani to Safavid Isfahan" written by Forootan (2009) has studied the effective factors in the transformation of urban spaces in this historical period. However, there is no reference to the discussion of geometric spaces, accordingly, in the present study, this issue is investigated.

Regarding the method of conducting this research, it should be said that this research has been compiled in three stages based on an analytical-interpretive historiography. In the first stage, with a descriptive-analytical method, the concept and function of the square in the history of Iranian and Iranian-Islamic cities from the Median civilization to the Ilkhanid period, according to architectural styles, and based on written documents, is considered. In the second stage, by a meta-analysis method, 120 studies related to Iranian-Islamic urban planning with the aim of recognizing the importance of the square as an significant and influential element among the elements and urban structure, from the perspective of Iranian-Islamic cities, with library tools is analyzed and in the third stage, by the method of historical research, by explaining the historical processes, the emergence of the first large-scale urban spaces of geometric scale in Iranian-Islamic cities is evaluated.

Conclusion

In-depth studies on the process and product of the formation of Iranian-Islamic cities show that in addition to climatic conditions, socio-political structures directly affect the manifestations of urban planning. Even if it appears to be in deeper layers. This influence is more pronounced in the process of shaping public spaces, which is itself a sociological issue. This is why the vast Ilkhanid intellectual foundations of the
ruling governments of Iran, often with tribal origins and structures (in which obedience to the orders of an elder or tribal chief is essential), originates from this place and does not give a right to the opinion of the people and therefore does not allocate space to demonstrations and social and institutional manifestations in the city. This fact is accurately the opposite of what is happening in the real world of the city, in the form of agora and forum, in the real world of the city, in the form of agora and forum. Therefore, it seems logical that with the fusion of Iranian and Greek civilizations, after Alexander's invasion of Iran, the formation of an open and public area, although still primitive in the cities can be observed. In the next stage, the expansion of the Islamic worldview with theories of equality and fraternity in Iran, and the equalization of the common people with the privileged social classes and the importance of rabbis, cause this public open space to gradually scale on a larger scale. However, since the growth of urbanization is very slow, public spaces, following other urban structures, are formed gradually and organically and without preconceived plans. In the last stage, and after the almost global and irreversible destruction of Iranian-Islamic cities after the Mongol invasion of Iran, and as a result the necessity to build new cities that also represent the glory of the rulers, a kind of large-scale public spaces with complete geometry is based on designs that might be called master plans is created. Public spaces, surrounded by public functions, operate on a city-wide scale and have an orthogonal geometry and become the basis for the formation of Iranian-Islamic cities throughout the land.

References

Ebrahimi, M. (1388). Square, undefined spaces of Iranian cities. City Identity, 3 (4), 107-120. [In Persian]

Ardalan, n. (1379). Bakhtiar, Laleh, Sense of Unity, Isfahan, Khak Publications. [In Persian]

Asadi Mahal Chali, M. Pir Babaei, M. And Maghsoudi, m. (1398). Explaining the gender culture of space in the passages of the Islamic-Iranian city, a sample of Tabriz Tarbiat sidewalk research. Urban Planning Knowledge, 3 (1), 15-31. [In Persian]


Ahri, Z. (1394). Identifying the secondary structure of the Iranian city in the Qajar period. Architecture and Urbanism (Fine Arts), 20 (2), 23-34. [In Persian]

Basworth, K.A. et al. (1385). History of Iran Cambridge from the arrival of the Seljuks to the collapse of the Ilkhanate (Cambridge University Research, Volume 5), Compiled by: J.A. Boyle, translated by Hassan Anousheh, Tehran: Amirkabir Publications. [In Persian]

Bilalan Asl, L, Sattarzadeh, d. (1394). Comparison of the extent of the city of Tabriz in the Ilkhanid, Safavid and Qajar periods with reference to historical documents. City Identity, 9 (21), 57-70. [In Persian]

Behzadfar, M., Rezvani, N. (1394). A comparative study of the morphological norms of Islamic urban planning in the historical context (Case study: Sarcheshmeh neighborhood of Gorgan). Islamic Architecture Research, 3 (1 (6 in a row)), 0-0. [In Persian]


Poorahmad, A., Vafaie, A. (1396). The effect of modernism on the physical-spatial structure of the Iranian-Islamic city (Case study: Kashan). Islamic Iranian City Studies, 7 (28), 63-76. [In Persian]
Tavakoli Nia, J, Sarafi, M., and Dastavareh, F. (1396). Comparative analysis of approaches related to the Iranian-Islamic city. Islamic Iranian City Studies, 7 (28), 5-20. [In Persian]

Tavakoli Nia, J and others. (1395). Confrontation of the Iranian-Islamic city with the urban challenges of the third millennium. Islamic Iranian City Studies, 7 (25), 57-70. [In Persian]


Pir Babaei, M, Rabieifar, and. (1395). Confrontation of the Iranian-Islamic city with the urban challenges of the third millennium. Islamic Iranian City Studies, 7 (25), 57-70. [In Persian]


Habibi, M. (1382). From the city to the city. Tehran: University of Tehran Press. [In Persian]

Habib, F, Hosseini Nia, M. (1394). Sustainability of the city from the perspective of urban morphology (study of compaction in Bam citadel). City Identity, 9 (21), 5-18. [In Persian]

Habibi, K., Rouhani Cholaei, A. (1394). Qualitative evaluation of the change of elements of the ancient Iranian city to the modern city in order to revive urban places with Iranian-Islamic identity. Iranian Islamic City Studies, 6 (21), 5-18. [In Persian]

Hekmatnia, H. (1397). Assessing the level of privacy of houses in line with the Islamic-Iranian lifestyle (Case study: the old and new context of Yazd). Geographical Research in Urban Planning, 6 (3), 585-603. [In Persian]


Charami, Sh., Sarukhani, B., and Azkia, M. (1397). Sociological study of soft warfare in urban contexts with emphasis on national media strategies in the Iranian-Islamic city of Shahrzad Charami. Sociological Studies, 10 (38), 85-100. [In Persian]


Danesh, J, and Taybi, A. (1390). Quality of presence in urban squares with emphasis on traditional Iranian examples. Islamic Iranian City Studies, 1 (4), 71-80. [In Persian]
Ziba Kalam, p. (2000), How We Became We? Finding the Roots of the Causes of Backwardness in Iran, Tehran: Rozaneh Publications. [In Persian]

Salaripour, AS and others. (1397). Investigating the quality of neighborhood relations within the Islamic Iranian neighborhood and its role in attachment to the place; Case study: Saghrisazan neighborhood of Rasht. Islamic Iranian City Studies, 9 (34), 35-47. [In Persian]

Sarai, M., Tropical Easterners, A. (1397). Synchronizing the Islamic city with electronic urban management frameworks in the Iranian-Islamic city. Sustainable City, 1 (2), 97-111. [In Persian]

Sultanzadeh, H. (1390). A brief history of the city and urbanization in Iran, Tehran: Chahartagh Publications. [In Persian]


Safavi, S., Rezaei, M. and Saadatmandi, M. (1397). Application of the principles of neo-urbanism according to the characteristics of the Iranian-Islamic city (Case study: Robat Karim residential and old neighborhood (old Robat)). Human Geography Research (Geographical Research), 50 (4), 929-944. [In Persian]


Askari, M., Ahmadi, H., and Barati, N. (1397). An Analysis of the Fundamental Historical and Religious Components of the Islamic Iranian City in the First and Middle Ages. Social Science Quarterly, - (81), 37-74. [In Persian]

Askari, M., Ahmadi, H., and Barati, N. (1396). Exploratory explanation of the functionality of endowment in the cities of the Islamic period Case study: The Iranian city in the first and middle centuries. Islamic Iranian City Studies, 8 (29), 65-80. [In Persian]

Imrani, M. (1384). In Search of Urban Identity, Tehran: Ministry of Housing and Urban Development Publications. [In Persian]

Gholami, S., Meshkini, A., and Doiran, A. (1394). Spatial design of urban neighborhoods with emphasis on the principles of Islam in the Iranian-Islamic city (Case study: Martyr’s neighborhood of Zanjan). City Identity, 9 (22), 41-52. [In Persian]

Sadeghi, A., Khakzand, M., and Bagherzadeh, A. (1397). Recognition of effective components on the formation of place in the Iranian-Islamic city under study: Nasir Al-Molk Mosque and Atiq Grand Mosque in Shiraz. Islamic Architecture Research, 6 (3 (20 in a row)), 49-68. [In Persian]


Flamkey, M.. (1371). The formation of architecture in the experiences of Iran and the West, Tehran: Fazr Publishing. [In Persian]

Qalandarian, A., Rafiian, M. (1397). Explaining the environmental quality model in the reconstruction of the Islamic Iranian city. Islamic Iranian City Studies, 9 (34), 49-58. [In Persian]

Kyani, Y. (1368). Cities of Iran, Tehran: University Jihad Publications. [In Persian]

Mohit Ara, M., Malek Hosseini, A. and Shams, M. (1396). Quality of life in the neighborhoods of the Islamic-Iranian city with the attitude of spatial-social sustainability (case study, Qom). Environmental Management, 10 (38), 95-118. [In Persian]

Mardani, S. (1394). Classification of the views of Islamic city study thinkers. Garden of Nazar, 12 (35), 65-74. [In Persian]

Massoud, M., Babaei Salanquch, A. (1394). An analysis of the study of the shape of the Islamic city. Islamic Iranian city studies, - (19), 5-13. [In Persian]


Maroofi, H. (1397). Review of the Iranian (Islamic) city A study of the institutions that play a role in urban governance and their spatial reflection in the cities of the Safavid and Qajar eras. Iranian Architecture and Urban Planning, 9 (15), 33-45. [In Persian]

Molaei, A. (1398). Recognition of the shaping indicators of social and cultural order in the Iranian-Islamic city (comparative comparison of the historical market of Tabriz and the surrounding passages). Cultural Sociology, 10 (1), 81-106. [In Persian]


Mansoori, S., Arab Salgar, N. (1394). The evolution of the structural relationship between the garden and the city in the Shiraz Space Organization from the fourth to the twelfth century AH. Iranian Architectural Studies, 4 (8), 5-20. [In Persian]

Mirzakoochak Khoshoveis, A. (1385). Iranian ideal city government: The concept of urban space in Iran. Garden of Nazar, 3 (6), 101-118. [In Persian]

Nezhadsetari, S. (1390). The role of urban squares and the consequences of degrading its position in today's cities with emphasis on Iranian cities. Islamic Iranian City Studies, 1 (3), 57-70. [In Persian]


Wilber, d. (1365). Islamic architecture of Iran in the patriarchal period, translated by Abdullah Faryad, Tehran: Scientific and cultural publications. [In Persian]
Hoff, d. (1369). Sassanid cities in a brief view of urbanization and urban planning in Iran, translated by Rahim Sarraf, Tehran: Jihaddaneshgahi Publications. [In Persian]


Stanley, Benjamin W. (2015). Local property ownership, municipal policy, and sustainable urban development in Phoenix, AZ. Development Journal. 50) 3 (pp. 510-528