A Survey on Changing Socio-Spatial Pattern in Contemporary Housing of Iran

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1. Introduction
2. Conceptual and Theoretical Framework
3. Lifestyle and Traditional Houses in Iran
4. Contemporary House in Iran and its Spatial Organization
5. Effects of Lifestyle on Apartment Residential Units in Iran
6. Conclusion
introduction

- Housing as one of the important architectural places must consider the needs of inhabitants and is harmonious with their lifestyle.

**Research Area:** *Theory of Space*

**Focus:** *Effects of Lifestyle In Housing Spatial Organization*

**Field Study:** *Iran*
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Statement of problem

Factors that cause changes in spatial organization of housing
- Development
- Urbanization
- Foreign construction companies
- Iranian architects who have educated abroad
- Modern lifestyles

Lifestyle → Effective factors in spatial organization of house changes made
Big differences in housing system and quality of spaces

○ these effects in the recent changes of Iranian residential house are of the significance of the research.
Research Questions

1. What factors effect on lifestyle?
2. How dose lifestyle affect spatial organization?
3. How does lifestyle affect spatial organization in contemporary houses in Iran?
4. what is the estimated amount of lifestyle's effect on spatial organization of contemporary houses?
Aim and Objectives

- **Aim of this research**
  - Understanding of the concept of house with the meaning of home
  - Relation between lifestyle and house as a spatial entity
  - Investigating those aspects that create harmony between inhabitants, and house and space

- Statement of problem
- Aim and Objectives
- Research Design and Methodology
Introduction

• Statement of problem
• Aim and Objectives
• Research Design and Methodology

Research Design and Methodology

Research methodology

Desk work
Qualitative

Data collection techniques

literature review
Observation
Questioner

- In order to collect the data for evaluation approximately 150 people has been interviewed and 24 houses in 4 different main cities of Iran were studied.
Meaning and Roles of House

- House as a symbol
  - House as an institution of dwelling
  - House acquiring shelter
  - Sensational quality of house in proportion with inner activities
  - House birthplace of thought, imagination and dream
  - Sensational quality of house in proportion with inner activities
  - Relationship between individual and society
  - Occurrence of daily life
  - Relationship between individual with each other
  - Place for family life
  - Occurrence of daily life
  - Relationship between individual with each other

- House as a culture phenomenon
  - House and family
  - House and society
  - Lifestyle

- House as a changing organism
  - Sensational quality of house in proportion with inner activities
  - House birthplace of thought, imagination and dream

- House as a structure
  - House acquiring physical security and comfort

- House as a symbol of the world
- House as a symbol of self

- Concept of House
- House as a structure
- House acquiring shelter
- House acquiring physical security and comfort

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Variety of House Types

- Meaning and Roles of House
- Variety of House Types
- Lifestyle and House

House Types due to Physical Relations

- Detached House (Individual Houses)
  - 1 story Houses
  - 2 story Houses (duplex)
  - 3 story Houses (triplex)
- Semi-Detached Houses
- Attached Houses
  - Row Houses
  - Apartments

Variety of House Types

- Detached house, source: Memar magazine, No.40, 2006
- Semi-detached house joined by common space, Source: URL 1
- Row house, source: Author (2012)
- Apartment, source: Author (2012)
Lifestyle and House

- Meaning and Roles of House
- Variety of House Types
- Lifestyle and House

Effect of lifestyle in house

Effect of social elements
- Balance the private and public part
  - Privacy personal site
- Room numbers
- Defined parts
- Space enlargement
- Space diversity
- The way of combining them

Effect of cultural elements
- Dividing space
- Hierarchy
- Living place
- Space form
- Space dimension
- Location of space

Effect of personal elements

• Variety of House Types
• Lifestyle and House
Lifestyle and Traditional Houses in Iran

Traditional Iranian Lifestyle

- **Religion** → Islam
- **Family** → base role in Iranian life
  - extended family meeting is a main part of family relations
  - role of man in family
  - role of woman in family
- **Neighbors and the relations between them**
- **Social interaction**

- Traditional Iranian Lifestyle
- Effect of lifestyle in spatial organization of the Traditional Iranian House
  - Effects of Personal Factors
  - Effects of cultural Factors
  - Effects of social Factors
Effect of lifestyle in spatial organization of the Traditional Iranian House

Effects of Personal Factors

Religion:
- Central spatial organization
- Create *Andarouni* and *Birouni*

Daily activities:
- Create room with different dimension and form
- Located in *Andarouni*
- Use kind of space for doing these:
  - Open space
  - Semi-open spaces
  - Closed spaces

Effects of Cultural Factors

- Clustered spatial organization
- Divided spaces
  - Birouni
  - Andarouni
  - Service area
- Obey the Hierarchy
- Combination spaces
  - Relationship between the spaces
    - Adjacent spaces
    - Common spaces

- Traditional Iranian Lifestyle
- Effect of lifestyle in spatial organization of the Traditional Iranian House

- Effects of Personal Factors
- Effects of cultural Factors
- Effects of social Factors

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Effects of Social Factors

- Privacy and flexibility have great importance for Iranian families and have a direct relationship with the spatial organization.

- Entrance spaces in traditional houses such as shahneshin, Tallar, entrance courtyard, private courtyard, corridor (Dalan), vestibule (Hashti), and Dargah are important for Iranian families.

Source: Molahasani (2011)
Contemporary House in Iran and its Spatial Organization

- Fundamental changes in architecture started from Pahlavi period (1925)
- Change of building patterns started:
  - Inward-looking ➔ Low-rise Courtyard House (1)
  - Outward-looking ➔ Medium-rise apartment (2)
    High-rise Apartment (3)

Source: Madanipour (1998)
Rules and Regulations of Contemporary Housing in Iran

- All of buildings located in north of land parcels, the effect of urban design pattern and pathways on the zoning of open and closed spaces.

Layout 1

Layout 2

Layout 3

Layout 4

• Rules and Regulations of Contemporary Housing in Iran
• Types of Spaces in Contemporary House in Iran
• Spatial Organizations in Contemporary House in Iran
• Contemporary Lifestyle in Iran

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Types of Spaces in Contemporary House in Iran

- Separated spaces
- Combined spaces
- Rules and Regulations of Contemporary Housing in Iran
- Types of Spaces in Contemporary House in Iran
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# Spatial Organizations in Contemporary House in Iran

<table>
<thead>
<tr>
<th>Grid organization</th>
<th>Centralized organization</th>
<th>Clustered organization</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Grid organization" /></td>
<td><img src="image2" alt="Centralized organization" /></td>
<td><img src="image3" alt="Clustered organization" /></td>
</tr>
<tr>
<td><img src="image4" alt="Clustered pattern" /></td>
<td><img src="image5" alt="Clustered along a path" /></td>
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</tbody>
</table>

- Rules and Regulations of Contemporary Housing in Iran
- Types of Spaces in Contemporary House in Iran
- Spatial Organizations in Contemporary House in Iran
- Contemporary Lifestyle in Iran
Contemporary Lifestyle in Iran

- Religion → Islam
- Structure of family → nuclear family
- Western civilization → sub cultures and local traditions
- Individualism
- Role of man and women is same
- Relationship between people, family, society → communication technologies
Effects of Lifestyle on Apartment Residential Units in Iran

24 cases mostly are 4-5 floors approximately 100 to 300 square meter areas

40% Owner - buyer
30% Owner – Producer
30% tenant
Effects of Personal Factors on Contemporary Housing in Iran

- Location, form and dimension of
  - Living room
  - TV room
  - kitchen
  - Bedroom
  - Balcony
  - Yard

- Effects of Personal Factors on Contemporary Housing in Iran
- Effects of cultural Factors on Contemporary Housing in Iran
- Effects of Social Factors on Contemporary Housing in Iran

Using curtain for creating privacy, source: Author (2012)

Yard as parking, source: Author (2012)
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**Effects of cultural Factors on Contemporary Housing in Iran**

- Percentage of ceremonies take place in the house

- Percentage of the families that through ceremonies in their houses

- Spaces used for ceremonies

<table>
<thead>
<tr>
<th>Use</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living room</td>
<td>4%</td>
</tr>
<tr>
<td>Dining room</td>
<td>6%</td>
</tr>
<tr>
<td>TV room</td>
<td>12%</td>
</tr>
<tr>
<td>Combination of these spaces</td>
<td>0%</td>
</tr>
<tr>
<td>Meeting room</td>
<td>6%</td>
</tr>
</tbody>
</table>

**Bar Charts**

- Percentage of ceremonies take place in the house
- Percentage of the families that through ceremonies in their houses
- Spaces used for ceremonies
• Effects of Personal Factors on Contemporary Housing in Iran
• Effects of cultural Factors on Contemporary Housing in Iran
• Effects of Social Factors on Contemporary Housing in Iran

- Combination, division and Hierarchy between spaces

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Effects of Social Factors on Contemporary Housing in Iran

- Number of rooms
- Balance between the private and public parts
- Definition of spaces

There is not Balance between the private and public part.

living room, dining room and TV room just defined with setting furniture (Author, 2012)
- Effects of Personal Factors on Contemporary Housing in Iran
- Effects of cultural Factors on Contemporary Housing in Iran
- Effects of Social Factors on Contemporary Housing in Iran

A Survey on Changing Socio-Spatial Pattern in Contemporary Housing of Iran
Conclusion

- concept of home → inhabitants’ requests and lifestyle
- Lifestyle is dependent → individual, social and cultural change during the time

different spatial organization and various forms of houses

- contemporary houses

changes in urban texture
rise of population
immigrations to the cities
Small land parcel
construction rules and regulations
economic issues

key factors that effect on the process of changes in spatial organization of houses
• Contemporary house
  have a certain basic formal structure
  spaces are defined based on a general pattern with minimum of dimensions
  that have codified in rules and regulations

• lifestyle of contemporary Iranian family
  want Privacy and flexibility
  in spatial organization of contemporary houses are purely visible
  house is not matching properly to demands of inhabitants and house is more just a shelter

• A big step in order to reach the indicators of suitable spatial organization
  would be to investigate the possibility of flexible design in the field of housing
  in contemporary Iranian architecture
References


• URL 1. http://www.archonplus.com/house-plans/m4ac5eb8e59a4b/1076/house-in-the-orange-eye-t.html
Thank you