ABSTRACT: For more than half a century, the concepts of sustainability has appeared in developed countries with holding several definitions, but until now, they still have not been completely explained and their potentials and defeats are analyzed in order to use its advantage and avoid its defeats.
Patterns Retrieved from Islamic Wisdom in Iranian Islamic Architecture; Case Study Amir Flint of
Original Article, D14
Parhizkari Z.

ABSTRACT:
Various aspects of Iranian art, including architecture principles are the same in structure as well as the components of architecture, Iranian Architecture, Islamic architecture, and lead to a redefinition of the leading providers of Islamic architecture.

Keywords:
Contemporary Architecture, Iranian Architecture, Islamic architecture, Yazd

pii: S225204301400015-4

Original Article, D15
Feizi Z, Hosseinpour M.

Evaluating and Ranking Degree of Development in the counties of Kurdistan Province by Using Morris Quantitative Indicator
ABSTRACT: Due to the necessity of integrated regional development, dependency analysis of human settlements in the level of areas showed that Bijar and Sanandaj Counties are in the first and second ranks and other counties are in the following ranks.

Keywords: Development, Kurdistan, Morris Index.

The New Attention to Atrium for Creating Sustainable Townscape
ABSTRACT: Townscape that is part of the city supervisory to get and understands it, in the other hand the layer of the city in the atrium how to achieve it, and finally review the sample managed atrium application to improve the townscape quality.

Keywords: Townscape, Atrium, Urban Space, Public Space, Sustainable Approach.

pii: S225204301400017-4

Making-Intelligent Place of Buildings in Parametric (Algorithmic) Architecture
ABSTRACT:

Moradi M.


Assessment and Classification of Environmental Problems Based on Sustainable Development Indexes (Case Study: Cities of Yazd Province)

Original Article, D18
Salehi M, Mousavi M, Kashkooli A.B.


Sustainable Residential Buildings in the Tehran Metropolitan Area

Original Article, D19
Bairami A, Tabibian M.


Ecological Design Process, the Way toward Improve Modern Sustainable Architectural Design

Original Article, D20

ABSTRACT:

Nowadays the main question of designers is about the consequences of their activities on the natural environment that how ... of design was presented in form of a table to make the designer to be capable to the accurate and classified design.

Keywords: Ecology, Built Environment, Sustainable Architecture, Ecological Design.

ABSTRACT:

Yazd traditional houses are valuable and precious inheritance from our ancestors; therefore, some actions such as ... of this building with making minimum changes in the body of the building to prepare thermal comfort for its users.

Keywords: The Wind Catcher, Thermal Comfort, Natural Ventilation, Solar Vent Hole, Rasoulian House.

ABSTRACT:

Our ancestors were attention to nature and to preserve the purity and sanctity of it. This is particularly has been true ... above elements and the approach the maximum exploitation of the dominant element in any area or in other words ecology.

Keywords: Quadruplet Elements, Ecology Architecture, Swot, Renewable Energy, Sustainable Architecture.

ABSTRACT:

Studying the Significance and Effect of Parks and Green areas on Improving the Citizens’ Life and...
Original Article, D23
Amirsheakri S, Amirsheakri S, Ataei O.
ABSTRACT:
The increasing growth of population as well as the complexity of urban issues, lack of appropriate financial and human resources, and the citizens' tiredness, running away from routine, and etc and these spaces have significant effect on embellishing urban spaces.
Keywords: Park, Green Area; Improving Life; Embellishing City; Seeking-Escaping Theory

Original Article, D24
Dehghanpoor A. R., Mahmoodi Nia M. and Rezaie H.
ABSTRACT:
The quick growth of the population of the country and the subsequent growth in urban development cause an increase in the intra-town trips. The association between electronic payment and reduction of intra-town trips, and subsequently consolidation of urban architecture.
Keywords: Information and Communication Technology, intra-town trips, electronic payments, Yazd Township

Original Article, D25
Fallah Manshadi E., Rouhi A. and Khodaverdi Nelkhasi Om-S.
ABSTRACT:
Though the experience of pedestrian establishing in the world backs to 70 years ago, this is a new approach in Iran. In Tehran, the experience of pedestrian zones is around 25 years. The problems of these zones, such as public toilets and disabled facilities, ignorance of public participation have negative effects on citizen satisfaction.
Keywords: Pedestrian Zone, Evaluation, Comparative Comparison, Tehran

Original Article, D26
Dehghanpoor A.R., Mahmoodi Nia M, Rezaie H.
ABSTRACT:
Today towns are regarded as efficient elements in economical development of countries. Towns have various capabilities that can make them ideal places for attracting investments. In this regard, the role of e-tourism in urban development is investigated in the Abarkouh Township.
Assessment Less Developed Neighborhoods to Earthquake Risk (A Case Study of Qaradiyan Neighborhood of Sanandaj City)

Habibi K, Tavallaei R, Azami M.

ABSTRACT:
Earthquakes are known as a recurrent phenomenon during history. In most cases, they have destructive effects on human lives and infrastructures. Lack of preparedness and awareness in most cases has led to an unacceptable number of casualties and damages. The study area, Qaradiyan neighborhood, is located in Sanandaj city. It is a less-developed neighborhood. Low resistance of structures to earthquakes, the old streets, and other vulnerable factors are some of the main features of this district. Exposing the district to earthquake risk can lead to damages and casualties. Therefore, designing and implementing an earthquake-resistant plan in the study area is essential to reduce the damages and possible casualties.

Keywords: Urban Sustainability, Vulnerability, Crisis Management, Fuzzy model

Sustainable Urban Development and Issues Dominating Design of Bike Lanes (Focusing Hamedan of Iran)

Rismanian M., Habibvand N.

ABSTRACT:
Nowadays with the increasing importance of issues such as sustainable development, and green transportation, using bike lanes is considered as an efficient tool in reducing the number of vehicles and pollution in cities. Bike lanes provide a comfortable and easy path for people to shift from car to bike. In this study, the design requirements and obstacles of bike lanes design in Hamedan city are investigated. Bike lanes design is considered as an efficient tool to reduce the number of vehicles and pollution in the city of Hamedan. The study was conducted using the case study method. The results of the study show that the design of bike lanes in Hamedan city has many issues such as lack of design standard, path continuity, and conflict with the design of pedestrian paths. To overcome these issues, it is necessary to follow the design requirements and standards of bike lanes design.

Keywords: Transportation Environment, Design Requirements, Comfortable And Easy Path, Standard, Path Continuity

Learning from European Capitals of Culture Program in Developing Urban Tourism

Jalalian Hosseini SM, Pourjafar MR, Ranjbar E.

ABSTRACT:
The cultural potential in today's urban design literature is considered as an efficient tool in urban regeneration. Tourism is one of the main indicators for promoting cultural and economic infrastructure, enhancing national pride and confidence, and strengthening cultural cooperation in Europe. The study of European Capitals of Culture Program as an experience can lead to the development and planning of urban tourism in Iran. The study was conducted using the case study method. The results of the study show that the European Capitals of Culture Program has led to the development of urban tourism in Europe. To develop urban tourism in Iran, it is necessary to learn from the experience of the European Capitals of Culture Program.

Keywords: Capital of Culture Program; Europe's Experiences; Urban Tourism

Converting the Village to City and Sustainable Urban Development (A Case of Fars Province - Iran)

Omidi S, Khatoon Abadi A, Ebrahimi MS.

ABSTRACT:
In the recent years, increase in urban centers by promoting the big and susceptible villages is considered as one of the main goals of urban design literature. It is observed that this process has led to many problems such as increased tax costs, reduction in pasture land, and difficulty of keeping livestock in the city limits. The study of the conversion of villages to cities in Fars Province as a case study can help in the development of sustainable urban planning. The study was conducted using the case study method. The results of the study show that the conversion of villages to cities has led to many problems such as increased tax costs, reduction in pasture land, and difficulty of keeping livestock in the city limits. To develop sustainable urban planning, it is necessary to learn from the experience of the conversion of villages to cities.
The Influence of Material Properties and the Geometrical Parameters of the Operating Arch on the Stability of Vaults

ABSTRACT:
One of the key elements in architecture is vault. Because timbers are locally available only in certain parts of Iran, this study examines the stability of arches used in vaults. The study was conducted in Gilan province where proper materials for arch construction are available. The results clearly revealed the effective role of geometric parameters, materials and thickness of arch base in vault stability.

Keywords:
Sustainable architecture; Stability; Generate arch; Geometry; Material.

Study of Talesh City Architectural Design Based on Regional Climate

ABSTRACT:
Architecture climatology is a branch of applied climatology that affects human life. The structure of buildings in Talesh was designed in such a way that they are compatible with the regional climate. The current research aims to examine the architectural design of Talesh city based on regional climate. The results of the study showed that climate-related environmental conditions played a key role in the architectural design of Talesh city. The data were collected from the Meteorological organization over a period of 19 years (1992-2012) in order to analyze and understand the relationship between climate and architectural design.

Keywords:
Climate, Architecture, Talesh, comfort, Mahoney.