Explanation of Sustainable Architectural Design Motivators with Respect to the Concepts of Sustainability

For more than half a century, the concepts of sustainability has appeared in developed countries with holding several characteristics. In recent years, the word sustainable has appeared in the world as a main component in the sustainable development of the world. The concepts of sustainability in the world are 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 Yazd
Original Article, D14
Parhizkari Z.


ABSTRACT: Various aspects of Iranian art, including architecture principles are the same in structure, Iranian Architecture, Islamic architecture, and an endogenous approach, an attitude that may 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 shows 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.

pii: S225204301400016-4

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.
**Abstract:**

Regarding that constructing intelligent houses can meet a great part of users' needs, it is necessary to study parameters that can be used in this regard. This research is followed in analytical-descriptive way and by library studies.

**Keywords:** Intelligent buildings, Mental frame, Parametric architecture, Physical frame.

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

*Salehi M, Mousavi M, Kashkooli A.B.*


**Abstract:**

Spread of urbanization lead to increasing the environmental problems for urban residents that it hasn't agreement with sustainable development. This study assesses and classifies the environmental problems for urban residents in the Yazd Province in Iran. In this regard, the index of sustainable development (ISD) for Yazd Province is calculated. The ISD provides a comprehensive procedure to assess and classify the environmental problems. The results show that the most critical environmental problems in Yazd Province are related to water resource, linear metabolism, disregarding wastewater, and traffic occupation. These results can be used as a framework for reducing the environmental problems in the context of urban sustainable development.

**Keywords:** Environment, Sustainable Development, Pollution, Waste Waters, Cities of Yazd Province.

**Sustainable Residential Buildings in the Tehran Metropolitan Area**

*Bairami A, Tabibian M.*


**Abstract:**

Housing is one of the first things that humans have always had to grapple with and always trying to find appropriate and sustainable solutions. This research focuses on the assessment of the degree of development of residential buildings in the urban centers of Tehran metropolitan area during the years 1986 to 2006 and the peak is year 1996.

**Key words:** Metropolitan Area, Sustainability, Residential Buildings, Building Strength, Assess the Degree of Development.

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

*Volume 4 : Issue 2, March 2014*
Studying the Significance and Effect of Parks and Green areas on Improving the Citizens’ Life and Embellishing Urban Spaces Based on the Seeking-Escaping Theory (Case Study: Shiraz Parks)
ABSTRACT:
The increasing growth of population as well as the complexity of urban issues, lack of appropriate financial and human resources, 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

ABSTRACT:
The quick growth of the population of the country and the subsequent growth in urban development cause an increase in ... 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

ABSTRACT:
Though the experience of pedestrian establishing in the world backs to 70 years ago, this is a new approach in Iran. In ... public toilets and disabled facilities, ignorance of public participation have negative effects on citizen satisfaction.

Keywords: Pedestrian Zone, Evaluation, Comparative Comparison, Tehran

ABSTRACT:
Today towns are regarded as efficient elements in economical development of countries. Towns have various capabilities ... of the area, contributes to facilitate the identification of the area and subsequently, to constant development.

Keywords: Tourism, Information and Communication Technology, Entrepreneurship, Economic Development, Abarkouh
Assessment of 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 society. For this reason, the importance of earthquake risk management during today's globalisation is remarkable. The purpose of this study is to assess the earthquake risk of Qaradiyan neighborhood. To achieve this aim, some factors have been considered. The factors are: population density, the level of economic activities, the level of construction technology and also the age of the buildings. Population density is the number of people in a given area. The more the number of people living in a certain area is, the more the probability of the disaster is expected to be. Economic activities are one of the important factors. They directly affect the earthquake risk. The more the economic activities are in a region, the more the risk is expected to be. Construction technology is another important factor. The more the construction technology is advanced, the more the risk is expected to be. The age of the buildings is another factor. The older the buildings are, the more the risk is expected to be. The risk is assessed by using the fuzzy model. The results show that Qaradiyan neighborhood has high earthquake risk.

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 bicycles is considered as an efficient tool. This research focuses on the design requirements and obstacles of design and management of bike paths in Boulevard Eram Hamedan in order to create a sustainable urban development. The research recommends that for a successful design, bicycle design and planning principles should be considered. In addition, it is recommended that the quality of the design should be checked by using the model of social capital.

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:

Cultural potential in today's urban design literature is considered as an efficient tool in urban regeneration. In order to develop cultural tourism, it is necessary to have cultural potential in this field. Cultural potential includes cultural resources, cultural activities, cultural facilities, and cultural events. In order to develop cultural tourism, cultural potential should be developed. The purpose of this research is to study the European Capitals of Culture Program in order to develop urban tourism. The research recommends that the European Capitals of Culture Program can be used as a model for developing urban tourism in cities.

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 susceptive villages is considered as one of the urban trends in Iran. This research focuses on the case of Fars Province. The purpose of this research is to study the conversion of a village to a city. The research recommends that for a successful conversion, the following steps should be taken: identification of the village, identification of the city, identification of the population, identification of the facilities, and identification of the resources. In addition, it is recommended that the conversion should be done in a way that preserves the cultural identity of the village.

Keywords: City, Conversion, Policy, Rurban, Village.
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, architects use them in the design of vaults with high coverage. This research studied the effectiveness of using timbers for the vaults. The results showed that the mechanical deformation of the vault depends on the thickness of the vault base. As the thickness increased, the vault deformation decreased. The results also 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 affected human life. The structure of buildings in Talesh city, Iran is the result of climatology and human adaptation. In this study, the climatology of Talesh city was studied based on climatic data from 1992 to 2012. The results showed that the climate of Talesh city affects the design of buildings, and therefore, the design of buildings should be based on the climate of the city. The results also showed that the design of buildings should be based on the climate of the city, and therefore, the design of buildings should be based on the climate of the city.

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