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

ABSTRACT: For more than half a century, the concepts of sustainability have appeared in developed countries.
Keywords: Sustainability, Sustainable Architectural Design Motivators, Energy Efficiency in...
Original Article, D14
Parhizkari Z.

ABSTRACT:
Various aspects of Iranian art, including architecture principles are the same in structure, components of the 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 in the Kurdistan Province 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.

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.

Making-Intelligent Place of Buildings in Parametric (Algorithmic) Architecture
**ABSTRACT:** Regarding that constructing intelligent houses can meet a great part of users' needs, it is necessary to study parameters that can be used for some extent in short times for designers. This research is followed in analytical-descriptive way and by library studies.

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

**ABSTRACT:** Spread of urbanization lead to increasing the environmental problems for urban residents that it hasn't agreement with sustainable development. This study presents a method for assessing the environmental problems and presenting the strategies for reducing the environmental problems in cities of Yazd province and get to urban sustainable development.

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

**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 study investigates the residential building strength in the urban centers of Tehran metropolitan area during the years 1986 to 2006 and the peak is year 1996.

**Keywords:** Metropolitan Area, Sustainability, Residential Buildings, Building strength, Assess the degree of development.

**ABSTRACT:** Ecological design process is a way toward improve modern sustainable architectural design.
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:

Investigating the Thermal Behavior of Wind Catcher Room of Rasoulian House in Yazd and Proposing Some Methods for its Improvement

ABSTRACT:

Essay on Characteristics of the Quadruplet Elements and Strategic Analysis of the Performance of them in Traditional and Modern Architecture

ABSTRACT:

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 capital, technology, and etc., have led to the establishment of various spaces to reduce tiredness, running away from routine, and etc, and these spaces have significant effects 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 the number of trips, traffic, and road accidents. In this paper, we study the relationship 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 this paper, we study the effects of establishing pedestrian zones, such as the location of 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 which, if well managed, contribute to the economic growth of the country. In this paper, we focus on the role of e-tourism in urban constant development with an emphasis on entrepreneurship.
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 and natural resources. In Iran, art and culture are considered as valuable and irreplaceable, but due to high seismic activities and lack of city planning, the districts of special attention have low levels of urban sustainability. This research was conducted in the Qaradiyan neighborhood in Sanandaj city. The neighborhood was selected due to its low level of resilience and heavy loss of art and culture in the last disaster. The study shows that despite the high resilience of the district, it has low urban sustainability. Low resilience of the district in terms of natural and social resources, durable buildings and their low resistance of structure to earthquakes are some of the features of this district.

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 bicycle ways is considered as an efficient tool. In Iran, bicycle lanes development in the cities such as Hamedan has not been considered. The aim of this research is to study the dominant factors of bicycle lane design in the city of Hamedan. The researchers have studied the factors and challenges for the design and management of bike paths in Boulevard Eram Hamedan.

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 regenerating in developed countries. Developing countries can also benefit from the experiences of European capitals of culture program. In this study, the capability of turning cultural potential into urban tourism is discussed. This provides an efficient tool for developing countries to absorb and learn from the experience of 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 indicators: increased tax costs, reduction in pasture land and difficulty of keeping livestock in the city limits.

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, the using of other materials such as brick and stone has increased. The main goal of this study is to investigate the relationship between material properties and those of the operating arch on the stability of vaults. In this research, 50 specimens with different materials and arch geometrical parameters were used. The results of this research 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 affected human life. The structure of buildings in Talesh city was designed using historical buildings and buildings that exist in other areas with similar climate. This data are taken from the Meteorological organization which related to the years of 1992 to 2012.

Keywords: Climate, Architecture, Talesh, comfort, Mahoney