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

Original Article, D13
Kazemi M, Akbarian M.

ABSTRACT: For more than half a century, the concepts of sustainability has appeared in developed countries...
Keywords: Sustainability, Sustainable Architectural Design Motivators, Energy Efficiency in Building, Low Energy Building, Green Building.

Pattern Retrieval 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, 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 indicates 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 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
Moradi M. (2014). Abstract: Regarding that constructing intelligent houses can meet a great part of users' needs, it is necessary to study parameters and assess 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.

Salehi M, Mousavi M, Kashkooli A.B. (2014). Abstract: Spread of urbanization lead to increasing the environmental problems for urban residents that it hasn’t agreement with Sustainable Development. This research is presented 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.

Bairami A, Tabibian M. (2014). Abstract: Housing is one of the first things that humans have always had to grapple with and always trying to find appropriate and efficient solutions. This research is about the strategy of Sustainable Residential Buildings in the 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: Nowadays the main question of designers is about the consequences of their activities on the natural environment. It is obvious that the designer need to be aware of the effect of their design on the environment. To make the design more sustainable, it is necessary to consider the ecological aspects in the design stage. In this paper, a table 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.

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

Abstract: Yazd traditional houses are valuable and precious inheritance from our ancestors; therefore, some actions such as renewable energy and natural ventilation can be implemented to improve the comfort of the building. One of these actions is implementing the wind catcher. The wind catcher can be improved by making some changes in its design. In this study, the thermal behavior of the wind catcher room of Rasoulian house was investigated and some methods were proposed for its improvement.

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

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

Abstract: Our ancestors were attention to nature and to preserve the purity and sanctity of it. This is particularly has been true at the time of the design and construction of the building. The quadruplet elements are an important part of the design and construction of the building. The quadruplet elements are the dominant elements in any area or in other words, they are the ecological elements in the design and construction of the building. In this paper, the quadruplet elements were discussed and the approach the maximum exploitation of the dominant element in any area or in other words, ecology, was presented.

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

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: This paper examines the significance and effect of parks and green areas on improving the citizens’ life and embellishing urban spaces. The seeking-escaping theory is used as a framework to analyze the effect of parks and green areas on the citizens’ life. The case study is Shiraz Parks, in Iran. The results show that parks and green areas have a positive effect on the citizens’ life and urban space embellishment.
ABSTRACT:
The increasing growth of population as well as the complexity of urban issues, lack of appropriate financial and human resources, decline in urban services, conflicts of interests, and environmental issues have made the urban public spaces 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

Electronic Payments: a Step towards Reducing Intra-Town Trips and Sustainable Urban Architecture (Case Study: Yazd Township)

ABSTRACT:
The quick growth of the population of the country and the subsequent growth in urban development cause an increase in the number of intra-town trips. Electronic payments have an important role in eliminating trade barriers and increasing business efficiency. Therefore, electronic payment is a step towards reducing intra-town trips, and subsequently, consolidation of urban architecture.

Keywords: Information and Communication Technology, intra-town trips, electronic payments, Yazd Township

Revising Iranian Experience in Establishing Pedestrian Zones; Surveying Strengths and Weaknesses of Pedestrian Zones in Tehran

ABSTRACT:
Though the experience of pedestrian establishing in the world dates back to 70 years ago, this is a new approach in Iran. In Iran, it is not possible to create pedestrian zones in all cities and areas due to the lack of funds and the lack of citizens' awareness of the importance of pedestrian zones. In this paper, we have surveyed and evaluated the strengths and weaknesses of pedestrian zones in Tehran.

Keywords: Pedestrian Zone, Evaluation, Comparative Comparison, Tehran

Investigating the Role of E-Tourism in Urban Constant Development with an Emphasis on Entrepreneurship (Case Study: Abarkouh Township)

ABSTRACT:
Towns are regarded as efficient elements in economical development of countries. Towns have various capabilities and advantages in developing the economy and society. Towns can become the center of attraction for tourists if they have unique attractions, which can be marketed in a promising and efficient manner.

Keywords: Tourism, Information and Communication Technology, Entrepreneurship, Economic Development, Abarkouh
Assessment less Developed Neighborhoods to Earthquake Risk (A Case Study of Qaradiyan Neighborhood of Sanandaj City)

Original Article, D27

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... spaces, 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)

Original Article, D28

Rismanian M., Habibvand N.


ABSTRACT:
Nowadays with the increasing importance of issues such as sustainable development, and green transportation, using... development, while investigating obstacles and problem of 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

Original Article, D29

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... economic infrastructure, enhancing national pride and confidence and strengthening cultural cooperation in Europe.

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)

Original Article, D30

Omidi S, Khatoon Abadi A, Ebrahimi MS.


ABSTRACT:
In the recent years, increase in urban centers by promoting the big and suscepti... centers by promoting the big and susceptibility of village centers by promoting the big and susceptibility of village...
The Influence of Material Properties and the Geometrical Parameters of the Operating Arch on the Stability of Vaults

Valibeig N, Esmaeili M, Ansar A

ABSTRACT: One of the key elements in architecture is vault. Because timbers are locally available only in certain parts of Iran, they are the dominant construction materials in the past and present in many regions. In this paper, the authors present a study on the effect of material properties and the geometrical parameters of the operating arch on the stability of vaults. The study reveals 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

Rezayi Banafsheh M, Nasiri Ghalebin S, Zarei J.

ABSTRACT: Architecture climatology is a branch of applied climatology that affected human life. The structure of buildings in the region of Talesh is strongly influenced by the regional climate. In this paper, data on Talesh climate were used. This data are taken from the Meteorological organization which related to the years of 1992 to 2012. The study reveals that architectural design based on regional climate can provide comfort to the inhabitants.

Keywords: Climate, Architecture, Talesh, comfort, Mahoney