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

ABSTRACT: For more than half a century, the concepts of sustainability has appeared in developed countries with holding several ... 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
Parhizkari Z.

**ABSTRACT:** Various aspects of Iranian art, including architecture principles are the same in structure, Iranian Architecture, Islamic architecture, and 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

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Original Article, D15

Feizi Z, Hosseinpour M.

**Evaluating and Ranking** Degree of Development in the counties of Kurdistan Province by Using Morris Quantitative Indicator

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**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 is performed. The analysis for Bijar and Sanandaj Counties revealed that they are in the first and second ranks, respectively, while other counties are in the following ranks.

Keywords: Development, Kurdistan, Morris Index.

The New Attention to Atrium for Creating Sustainable Townscape
Original Article, D16
Kazemzadeh M., Sheikh Asadi F.

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:**

Regarding that constructing intelligent houses can meet a great part of users' needs, it is necessary to study parameters that can be evaluated in the general structure of intelligent houses from the mental frame, parametric architecture, physical frame, and their relationships. This research followed in an analytical-descriptive way and by library studies.

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

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**ABSTRACT:**

The spread of urbanization has led to an increase in environmental problems faced by urban residents. The agreement with the objectives of sustainable development is necessary, and this study aims to assess and classify environmental problems based on sustainable development indexes with a case study of Yazd province's cities. The study identifies the causes of environmental problems and presents solutions for reducing these problems in cities of Yazd province and achieving urban sustainable development.

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

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**ABSTRACT:**

Housing is one of the first things that humans have always had to grapple with and always trying to find appropriate and enough housing for people. This research aims to assess the degree of development of sustainable residential buildings in the urban centers of the Tehran metropolitan area during the years 1986 to 2006, with a peak in the year 1996.

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

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**ABSTRACT:**

Ecological design is a process of improving modern sustainable architectural design. This study aims to present a new ecological design process and compare its way toward improving modern sustainable architectural design.

**Abstract:**

Nowadays the main question of designers is about the consequences of their activities on the natural environment, that how they can produce the best buildings with minimum environmental costs. The importance of sustainable architecture, an idea of ecological design, has now been realized in different parts of the world. In this paper, the main criteria 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.

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**Abstract:**

Yazd traditional houses are valuable and precious inheritance from our ancestors; therefore, some actions such as improving and developing traditional houses should be taken to be capable to use them as a complementary part of the present modern environment. In this research, the thermal behavior of wind catcher room of Rasoulian House in Yazd was evaluated to propose some methods for its improvement 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.

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**Abstract:**

Our ancestors were attention to nature and to preserve the purity and sanctity of it. This is particularly has been true even in architecture. In Iran, among the traditional elements of architecture, the quadruplet elements are so much used and their properties are so much valuable that they can be applied in the different cases. The quadruplet elements are very important in traditional and modern architecture. This research has tried to study the effects of quadruplet elements on the architecture. It has tried to dig out the secrets of these 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.

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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)

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ABSTRACT:
The increasing growth of population as well as the complexity of urban issues, lack of appropriate financial and human resources and lack of urban green spaces cause a feeling of 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 the economical, social and environment problems. The subject of this research is 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 research, by surveying strengths and weaknesses of pedestrian zones in Tehran, we have tried to open a new approach in creating pedestrian zones in Tehran.

Keywords: Pedestrian Zone, Evaluation, Comparative Comparison, Tehran

ABSTRACT:
Today towns are regarded as efficient elements in economical development of countries. Towns have various capabilities that can be used to develop the area, contribute to the identification of the area and subsequently, to constant development.

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)

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)

Rismanian M., Habibvand N.

ABSTRACT:
Nowadays with the increasing importance of issues such as sustainable development, 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

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)

Omidi S, Khatoon Abadi A, Ebrahimi MS.

ABSTRACT:
In the recent years, increase in urban centers by promoting the big and susceptible villages by...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 local soils and water needs to be studied. In this work, the possible effects of material properties and the geometrical parameters of the operating arch on the stability of vaults were studied using computational modeling. 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 is directly affected by its regional climate. In this paper, the climatological conditions of Talesh city were studied and a climate zoning map was presented for architectural design. The data for this study were taken from the Meteorological organization which related to the years of 1992 to 2012.

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