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
**ABSTRACT:** Various aspects of Iranian art, including architecture principles are the same in structure as well as the components of contemporary architecture, Iranian Architecture, Islamic architecture, Islamic architecture philosophy, Yazd

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

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

**Original Article, D15**

Feizi Z, Hosseinpour M.

**ABSTRACT:** Due to the necessity of integrated regional development, dependency analysis of human settlements in the level of areas was conducted in the province of Kurdistan from 2005 to 2010. The results show 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.
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 applied in the design of intelligent buildings. These parameters can be used in the physical frame and mental frame of the buildings. In the physical frame, the parameters can be used in a building to improve its performance in terms of energy consumption and environmental impact. In the mental frame, the parameters can be used to improve the comfort and satisfaction of the users in the building. 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 the idea of sustainable development. This paper aimed to assessing and classifying the environmental problems of Yazd Province's cities based on sustainable development indexes. The indexes that evaluated for each city can be 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.

ABSTRACT:

Housing is one of the first things that humans have always had to grapple with and always trying to find appropriate and better ways to improve its quality. This paper discusses the changes in the housing industries in the Tehran Metropolitan Area during the years 1986 to 2006 and the peak is year 1996. This increase in the number of housing units is due to the increase in the number of the population, the increase in the number of the families, and the increase in the number of the urban centers. Also, the environmental impact of housing construction is a significant factor in the assessment of the development of the environmental resources.

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 and how they can develop their activities to create a sustainable and environmentally friendly environment. Therefore, the concept of ecological design has been introduced in architecture. To this end, a model of design was presented in form of a table to make the designer capable of 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 adding wind catchers to the buildings can be made to improve their thermal comfort. In this paper, the wind catcher of Rasoulian house in Yazd is investigated and some methods for improving its thermal performance are proposed.

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

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

ABSTRACT: Our ancestors were attention to nature and to preserve the purity and sanctity of it. This is particularly true in the selection of the dominant element of any area or in other words ecology. In this paper, the characteristics of the quadruplet elements are analyzed and the approach to 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:
The increasing growth of population as well as the complexity of urban issues, lack of appropriate financial and human resources, social tensions, unemployment, 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 number of intra-town trips, which can have a negative effect on the urban environment. The present study attempts to investigate 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 Tehran many pedestrian zones have been created, some of which are successful while some are not. This research is a case study on Tehran pedestrian zones and aimed at indicating the strengths and weaknesses of these places and using its possible results for the success of future pedestrian zones.

Keywords:
Pedestrian Zone, Evaluation, Comparative Comparison, Tehran

ABSTRACT:
Today towns are regarded as the efficient element in economical development of countries. Towns have various capabilities and can be considered as a tool to educate people and improve their life styles. Using Information and Communication Technology (ICT), the area is known better and this increases the efficiency 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 Less Developed Neighborhoods to Earthquake Risk (A Case Study of Qaradiyan Neighborhood of Sanandaj City)

Habibi K, Tavallaei R, Azami M.
Journal of Civil Engineering and Urban Planning.

ABSTRACT:
Earthquakes are known as a recurrent phenomenon during history. In most cases, they have destructive effects on human and physical environment. The current study aims to evaluate the earthquake risk assessment of Qaradiyan neighborhood of Sanandaj city, one of the neighborhoods with low earthquake resistance. The study is carried out to introduce the suitable methods for earthquake resistant buildings in less developed neighborhoods. The results show that the number of people and the number of buildings as well as the vulnerability of the buildings are high in the study area. Improving the buildings and providing safer places as well as a better crisis management during a crisis are the main solutions suggested in this study.

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.
Journal of Civil Engineering and Urban Planning.

ABSTRACT:
Nowadays with the increasing importance of issues such as sustainable development, and green transportation, using a bicycle as an environmentally friendly means of transportation is encouraged. Bike paths are one of the most effective tools to achieve sustainable 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.
Journal of Civil Engineering and Urban Planning.

ABSTRACT:
Cultural potential in today’s urban design literature is considered as an efficient tool in urban regenerating in terms of improvement of the quality of life, 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.
Journal of Civil Engineering and Urban Planning.

ABSTRACT:
In the recent years, increase in urban centers by promoting the big and susceptible villages is considered as one of the most important problems. A vast number of people have migrated from villages to urban centers, which has increased tax costs, reduced the size of agricultural land and making it difficult to keep livestock in the city limits. The study is carried out to introduce the suitable methods for converting the village to city. The results show that converting the village to city is an efficient method that has positive impacts on the economic, social and environmental aspects of the area.
The Influence of Material Properties and the Geometrical Parameters of the Operating Arch on the Stability of Vaults

One of the key elements in architecture is vault. Because timbers are locally available only in certain parts of Iran, the use of arches is widespread. In this study, the influence of material properties and the geometrical parameters of the operating arch on vault stability is investigated. 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

Architecture climatology is a branch of applied climatology that affected human life. The structure of buildings in Talesh City has a considerable role in creating comfort. In this research, the climatic conditions have been studied. The data required for this research were taken from the Meteorological organization which related to the years of 1992 to 2012.

Keywords: Climate, Architecture, Talesh, comfort, Mahoney