ABSTRACT: For more than half a centurty, the concepts of sustainability has appeared in developed countries with holding several topics about it. The present study attempts to explain the concepts of sustainable architectural design motivators with respect to the concepts of sustainability in developed countries. The criteria of sustainability 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, 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

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

Feizi Z, Hosseinpour M.


pii: S225204301400015-4
ABSTRACT: Due to the necessity of integrated regional development, dependency analysis of human settlements is crucial. The research in this study employed the Morris Index to assess dependency levels in different counties. The results indicated that Bijar and Sanandaj Counties are in the first and second ranks, respectively, while other counties fall into lower 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 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 to 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:

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:

Yazd traditional houses are valuable and precious inheritance from our ancestors; therefore, some actions such as ... 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.

ABSTRACT:

Our ancestors were attention to nature and to preserve the purity and sanctity of it. This is particularly has been true ... above 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

ABSTRACT:

Studying the Significance and Effect of Parks and Green areas on Improving the Citizens’ Life an
ABSTRACT:

The increasing growth of population as well as the complexity of urban issues, lack of appropriate financial and human resources led to the issue of urban development. In this study, the researchers have tried to examine the effect of green areas in improving urban spaces, and also, the relation of electronic payments in reducing intra-town trips, consolidating urban architecture and improving the quality of life. Also the role of e-tourism in the development of urban areas, especially in Abarkouh case study, is considered.

Keywords:
Park, Green Area; Improving Life; Embellishing City; Seeking-Escaping Theory; Information and Communication Technology; Intra-town trips; Electronic payments; Sustainable urban architecture; e-tourism; Abarkouh Township; Tehran; Pedestrian Zone; Evaluation; Comparative Comparison; Iran.
Assessment of 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 bike lanes is considered as an efficient tool in creating a balanced and sustainable urban environment. In this study, the role and issues dominating design of bike lanes in Boulevard Eram Hamedan are investigated.

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 M, Ranjbar E.

ABSTRACT:
Cultural potential in today's urban design literature is considered as an efficient tool in urban regenerating in terms of social, economic and environmental indicators: increased tax costs, reduction in pasture land and difficulty of keeping livestock in the city limits.

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 susceptible villages is considered as one of the main indicators of urban development. Urban centers are developed in such way that they are represented as an efficient frontier between the natural and human environments.

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, it is important to understand the influence of material properties and geometrical parameters on the stability of vaults. This study clearly revealed the effective role of geometric parameters, materials, and thickness of the 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 city is influenced by the regional climate. This study used climatological data from the regional climate. The data were taken from the Meteorological organization which related to the years of 1992 to 2012.

Keywords:
Climate, Architecture, Talesh, comfort, Mahoney