Considerable Reduction in Sewage Pollutants of Urmia City from Modernist view of Biolac Process
ABSTRACT:

The Biolac filtration system is based on active multi-stage sludge refineries. This system is a kind of modern biological technologies. It has many advantages in comparison with other filter systems. The results of the experimental studies carried out in this work show that this system can be used for the treatment of industrial and municipal effluents. If the results of this study are compared with the standards of the Environmental Protection Agency, it will be evident that the effluent of such a system can be discharged to surface waters.

Keywords: Biolac, EPA Standards, Pollutant, Urmia Wastewater

ABSTRACT:

The Effect of Uncertainties on Calculation of Initiation of Corrosion of Reinforcement for Assessment of Reliability of Concrete Structures

ABSTRACT:

Considering Creep Parameters of Rock Mass to Evaluate the Necessity Thrust for Excavation in Squeezing Ground

ABSTRACT:

Reflecting to Explanation of Islamic City’s Authentic Concept

Today, there are many efforts to develop Islamic City’s criteria and requisites that have been endeavored to generalize and standardize the planning and building of Islamic cities. Developing standards and criteria for Islamic cities is a great challenge for shaping the Islamic culture in the city planning process. Islamic cities should have strong connection with the Islamic validated and documented principles derived from the Quran and traditions.

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Seismic Behavior Assessment of The Historical Tomb of Sheikh Shahab-edin Ahary

ABSTRACT:
This study aims to investigate failure mechanism of historical tomb of Shahab-edin Ahary elements and determines areas ... region. Various results have been studied after utilize finite element model using Ansys software and various analyses.

Keywords:


ABSTRACT:
Current study has analyzed the trend of population establishment in residential centers of Tehran metropolitan area ... of urban settlements network of Tehran metropolitan area and emergence of environmental problems in the region.

Keywords:

Three Dimensional Simulation of Flow for Semi Cylindrical Weirs Using Fluent Software

ABSTRACT:
The weirs are one of the important and prevalent items to measure discharge in open channels and they are used in most of ... the same model. It is worth noting simulating the flow has done for three different radiuses of semi cylindrical weirs.

Keywords: Flow pattern, Semi Cylindrical Weir, 3D simulation, K-ε Turbulence Model, Volume of Fluid Model, Fluent software


ABSTRACT:
Today there are many methods of financing in the world and every country selects its convenient financing methods ... of assets”, “usance”, and “BOT contracts” are the next factors in the ranking of project financing methods, respectively.

Keywords:
Finance, Financial resources, Financing of project, Project Financing Techniques, Analytical Hierarchy Process (AHP)
Estimating of the Relationship between Chemical Water Quality Parameters and Flow Rate of Karun River in Wet and Dry Seasons

ABSTRACT:
Hydro-Chemical Studies using regression tests would be efficient operational to save the time and cost, If the regression ... estimating the HCO3 values were appropriate but none of the regression models did not have satisfactory for pH and EC.

Keywords: Adjusted R Square, Hydro chemical, Karun River, Residual, Regression pattern, t-Test

Assessment and Feasibility of Tourism Development in the Kanibarazan Wetland of Mahabad, Iran

ABSTRACT:
Tourism has been approved as in powerful tool in development model, and its activities are known as invisible export and ... of job creating and making money, but also steps will be taken in order to create a tourism center with in the region.

Keywords: KaniBarazan wetland, Tourism Development, Environment, SWOT, Mahabad

The Evaluation of the Eco-tourism and Geo tourism in Maragheh, Iran: A SWOT Analysis

ABSTRACT:
The major objective of this study is to investigate the geo¬-tourism and ecotourism capabilities and limitations of ... strategies of the region must be developed in such a way to make the best use of the local possible opportunities.

Key words: Ecotourism, Geo Tourism, Maragheh, SWOT

A Seismic Microzonation Study with Geotechnical Aspects on the New Construction Sites in Ardabil, Iran

ABSTRACT:
...
ABSTRACT:
Due to development of constructions in Ardabil city in northwest of Iran and placement of it on the alluvium, seismic and structural studies are essential. The alluvium in some areas has characteristics of dense granular soils. The alluviums have the capacity to resist higher PGA than other areas. In this research, the seismic capacity of alluviums was studied. The potential hazard of construction in such areas was determined. Some areas experience such characteristics while others do not. In the areas of low PGA, the alluviums with high stiffness experience PGA of about less than 0.3 g. The dense granular alluviums and some with high stiffness experience the lowest PGA of about less than 0.4 g. The dense granular alluviums and some with high stiffness experience the lowest PGA of about less than 0.3 g.

Key words: Hazard, Design Earthquake, Site Response, Microzonation

ABSTRACT:
The leaking water flow from the soil dam body lead to transport of its materials that this issue causes internal erosion. In this research, the effect of horizontal drainage on the discharge of the drainage water is investigated. The horizontal drainage systems are installed in the soil dam body to reduce the water discharge. The effect of length and thickness parameters of horizontal drainage for the discharge of the drainage water is reduced.

Keywords: Horizontal Drainage, Non-homogeneous Dam, Leakage Flow, Finite Element

ABSTRACT:
Regarding the development of the cities and increasing human's interference in natural sources, evaluation of appearance quality is considered an important aspect. In this research, the evaluation of beauty quality in urban landscape based on the concept of time dimension is studied. The time dimension concept is considered in this research. The importance of movement, pictorial sequence, and evaluation criteria is discussed in this research. A landscape as the place where the visitors move through is considered a dynamic space. The perspectives of the visitors are considered in this research. The evaluation criteria and process of creating a visual environment are considered in this research. The importance of the concepts of time, movement, and the visual sequence is considered in this research.

Keywords: Aesthetics, Urban Landscape, Time Dimension, Movement, Pictorial Sequence, Evaluation Criteria

ABSTRACT:
The urban worn textures are the urban development potentials that turned into a threat to the whole city by turning into an urban development factor. In this research, the urban worn textures of Farzan Square in Birjand, Iran, are studied. In this research, the design principles of the urban worn textures are presented. In this research, the deconstruction and reconstruction methods are considered. The deconstruction and reconstruction methods are considered in this research. The principles of deconstruction and reconstruction are considered in this research. The methods of design are considered in this research. The proposed designs for the urban will be presented.

Key words: Deteriorated Texture, Design Principles, Public Spaces, Farzan Square

ABSTRACT:
Architecture building sustainability is an important aspect in the current world. In this research, the use of smart materials in architecture building sustainability is considered. The smart materials are considered in this research. The importance of the use of smart materials in architecture building sustainability is considered in this research. The role of smart materials in architecture building sustainability is considered in this research. The role of smart materials in architecture building sustainability is considered in this research.
ABSTRACT:
In contrast with the arrival of machine and abundant industrial production that leads to reduction of energy resources, there will be some solutions in order to achieve the goals of constant architecture by using these materials.

Keywords: Sustainable Architecture, Building Features, Smart materials.

Evaluating the Physical Functional Indicators Affecting Women’s Safety in Urban Spaces (Case study: Shahin Area 5th Region, Tehran)

ABSTRACT:
Safety of urban spaces has an important role in improving society welfare in all citizens, but among the urban physical functional indicators the amount of perceived safety feeling from space will increase as well.

Keywords: Safety, Urban Spaces, Women

Effect of a High Resolution Finite Volume Scheme with Unstructured Voronoi Mesh for Dam Break Simulation

ABSTRACT:
In this paper, a high resolution finite volume method (FVM) is developed in order to discretization of multidimensional shallow water (SW) and shock problems, especially those having discontinuities.

Keywords: Dam break, finite volume method, high resolution Local Lax–Friedrich scheme, Voronoi Mesh.

A Survey on the Performance of Fuzzy-Neural Network at Predicting the Average Monthly Discharge of Catchment Basin Areas Having Snow Regimes

ABSTRACT:
Snow is one kind of precipitation that because of its delay in turning into runoff water is much more different from rain. One method of snow melting modeling is by using a hybrid fuzzy-neural network (FFNN).

Keywords: Average monthly discharge, Fuzzy-Neural network, Snow melting modeling, Jajrud catchment basin.
Examine the Effect Height on Changing Intermediate Flexural Frames Performance Level after Adding Outward-Oriented Vestibule Braces

Original Article, D73
Khaksefidi S., Ghalehnovi M., Rahdar H. A., Rezaee M.

ABSTRACT:
Considering the inability to design techniques based on force the predicted nonlinear behavior of members, arising from the standard response spectrum (SRS) method (CSM) in ATC-40 to obtain performance level was used. SAP2000 software was used for modeling and analysis.

Keywords: Flexural Frame, Nonlinear Behavior, Nonlinear Static, Outward-Oriented Brace