Monitoring Land Subsidence of Mashhad Valley of IRAN Using Leveling, GPS Survey and InSAR Techniques

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ABSTRACT: In Northwest of Mashhad, one of the cities of Iran, land subsidence phenomenon is taking place highly due to the drainage of carbonate aquifer in a huge area. A monitoring network was designed with image of the average speed of displacement to determine the horizontal displacement.

Keywords: Land Subsidence, Mashhad valley, Levelling, GPS Survey, InSAR Techniques.

Evaluating Human Consolation in Sadra Town Regarding Bioclimatic Indexes
ABSTRACT: As it is one of the most important vital tenets to choose a suitable place to live, it is better to evaluate the relation of evaluating the indexes and the models according to human convenience or inconveniency in different times of the year.

Keywords: Bioclimatic Consolation, Sadra Town, Terjang Index, Beaker Index, Thermo-Hygrometric Index
ABSTRACT:
The preparation of land and the development of a country require special attention to all urban, rural and nomadic areas. In the Bahlooli tribe in the Baranjegan area of the Khorasan region, the nomadic communities have been facing challenges due to the lack of facilities and infrastructure. This paper focuses on the economic development and social conditions of this nomadic community, as well as the challenges they face.

Keywords:
- Economic Development
- Bahlooli Tribe
- Baranjegan
- Nomadic Community
- Settlement of Nomads
- South Khorasan

ABSTRACT:
Planning before crisis occurrence is a key problem which managers are dealing with these days especially in the field of civil engineering. In this paper, we use AHP and GIS software layers to conduct a fine locating for setting up temporary accommodation resulting from earthquake.

Keywords:
- Locating
- Temporary Accommodation Basis
- GIS
- AHP

ABSTRACT:
Global efforts to protect the environment are for almost original ecosystems and have paid less attention to nature near to workplace and human living place, small green urban places and their benefits for people. Urban parks and green and open spaces have strategic importance in our urban community, urban critical problems is urban green space scarcity that effects on human life in different dimensions. Comparing to low green space in different Iran cities, its undesirable dispersion also has created some problems that could refer to injustice green space distribution on the city and citizens accessibility difficulties. This paper aims to introduce urban green space importance to improve citizens' status and urban development where live. Also current parks place in Rasht region one analyzed by using criteria closeness to residential areas, training centers, cultural and religious centers, commercial centers, official centers, river, access to main ways and far away current parks in GIS and AHP hierarchical analysis method.

Keywords:
- Park
- Green Space
- Rasht
- AHP
- GIS

ABSTRACT:
Introducing a New Approach for Modelling the Near Field Effects in Probabilistic Seismic Hazard Analysis...
ABSTRACT:
In definitions of seismic hazard analysis, if the site distance from the fault causing earthquake is short, that site ... is to use the combination of both near and far field attenuation relations according to the proposed model in this study.

Keywords:
Earthquake, Fault, Near Fault, Probabilistic Seismic Hazard Analysis, Attenuation Relations