

In the Name of God, the Compassionate, the Merciful



Journal of Urban Areas Studies

*Shahid Bahonar University of Kerman
(Faculty of Literature and Humanities)*

This journal is published according to the letter 3/3/89914, issued by the
Commission for Scholarly Publications of Iran
(Ministry of Science, Research and Technology)
and the letter 93/30686, issued by the Printing & Publication Affairs
(Ministry of Culture & Islamic Guidance)
and the agreement 94/1892, between this Journal with Iranian Geography
and Urban Planning Association.

This journal is indexed in "Iran Journal"
RICEST (www.ricest.ac.ir), and ISC (www.isc.gov.ir)
data bases.

Publisher:

Regional Information Center for Science and Technology (RiCeST)
Islamic World Science Citation Center (ISC)
www.ricest.ac.ir www.isc.gov.ir
Te: +98 (71) 36468452 Fax: +98 (71) 36468352

Vol.2, No.4, Autumn 2015

Journal of Urban Areas Studies

Proprietor: Shahid Bahonar University of Kerman, Faculty of Literature and Humanities

Managing director: Dr. Hossein Ghazanfarpour

Editor-in-Chief: Dr. Akbar Kiani

Executive manager: Dr. Sadegh Karimi

Editorial Board:

1. **Dr. Seyyed Ali Badri:** Associate Professor of Geography and Rural Planning, Tehran University
2. **Dr. Ali Zangjabad:** Associate Professor of Geography and Urban Planning, Isfahan University
3. **Dr. Mohammad Hossein Saraei:** Associate Professor of Geography and Urban Planning, Yazd University
4. **Dr. Mohammad Saligheh:** Associate Professor of Climatology, Kharazmi University
5. **Dr. Ali Shamaei:** Associate Professor of Geography and Urban Planning, Kharazmi University
6. **Dr. Ahmad Abbasnejad:** Associate Professor of Geomorphology, Shahid Bahonar University of Kerman
7. **Dr. Hossein Ghazanfarpour:** Associate Professor of Geography and Urban Planning, Shahid Bahonar University of Kerman
8. **Dr. Akbar Kiani:** Associate Professor of Geography and Urban Planning, University of Zabol
9. **Dr. Sadegh Karimi:** Assistant Professor of Climatology, Shahid Bahonar University of Kerman
10. **Dr. Saeideh Garrousi:** Associate Professor of Urban Sociology, Shahid Bahonar University of Kerman
11. **Dr. Hossein Negaresh:** Professor of Geomorphology, University of Sistan and Balouchestan

Referees in this issue:

Dr. Akbar Kiani (Associate Professor, University of Zabol), Dr. Mirnajaf Mousavi (Associate Professor, University of Urmia), Dr. Naser Soltani (Assistant Professor, Uremia University), Dr. Sedigheh Kiani Salma (Assistant Professor, Kashan University), Dr. Hossein Ghazanfarpour (Associate Professor, Shahid Bahonar University of Kerman), Dr. Hamid Nazari Pour (Assistant Professor, Graduate University of Advanced Technology), Dr. Ali Asghar Abdollahi (Assistant Professor, Shahid Bahonar University of Kerman), Dr. Mahmoud Akbari (Assistant Professor, Yasouj University), Dr. Mohammad Rahimi (Assistant Professor, Shahid Bahonar University of Kerman), Dr. Mehdi Sedaghat (Assistant Professor, Payam Noor University of Kerman), Dr. Behnam Moghani (Assistant Professor, Shahid Bahonar University of Kerman), Dr. Safar Gha-e-d Rahmati (Assistant Professor, Tarbiat Modares University).

Persian Editor: Dr. Ali Jahanshahi Afshar

English Editor: Dr. Zahra Khozaei Ravari

Journal of Urban Areas Studies is a quarterly.

Print run: 500

Address: Department of Geography and Urban Planning, Faculty of Literature and Humanities, Shahid Bahonar University of Kerman, P.O Box 7616914111

Email: juas@uk.ac.ir

Website: <http://juas.uk.ac.ir/>

Notes to Authors

- 1.**Articles should be written in Persian, along with abstracts and key words in English, and based on the following guidelines. In order for the articles to be reviewed, please forward them to the website of the journal.
- 2.**Only scholarly-research (fundamental or pragmatic) articles will be accepted.
- 3.**Articles should be within the domain of journal's title (Journal of Urban Areas Studies) and the proposed areas, otherwise they would not be considered for review.
- 4.**After registration in the website (<http://juas.uk.ac.ir>), the responsible author must forward two soft copies of the article, one with the name(s) of the author(s), and another nameless copy, along with the recognizance form, to the website. The files must be forwarded in Word 2007, and also in pdf format.
- 5.**The author(s) must undertake not to send the article to any other journal or conference, national or international, till the final result is stated by the referees (it is obligatory to fill up and forward the recognizance form, available on the website, along with the article).
- 6.**Since the articles are vetted double-blindly, name(s) of the author(s) must appear nowhere throughout the article, in the Word or pdf files.
- 7.**The structure of the articles must be arranged as follows: title, abstract in Persian, key words in Persian, introduction, data and methodology, discussion, results, suggestions (if necessary), acknowledgement (in necessary), notes, and references.
- 8.**Titles must be brief and concise, containing a clear expression of the article, typed in B Titr Bold font.
- 9.**Name(s) of the Author(s) must be typed in B Lotus 10 Bold font, double-spaced from the title. Affiliations –including academic rank or study program, specialty, university, city, and country– appear under the title, on the left side.
- 10.**Abstract:the first page of the article is devoted to abstract in Persian and key words. The abstract contains a brief and general account of the article, emphasizing the problem, objectives, methodology, and results, at most in 250 words.
- 11.**Key words in Persian: 3 to 5 words must be chosen so that they can be used in preparing an index.
- 12.**Introduction: begins on the second page.
- 13.**Main body of the article and the references are typed single-spaced on one side of the pages only, in 26 lines of 12 centimeters.
- 14.**Typed in Word XP, articles should not exceed 20 pages (Persian abstract page included).

15. The main body of the articles including introduction, data and methodology, discussion, and results must be typed in B Lotus 13 font. Notes appear after the results and before references.

16. Main titles appear in B Lotus 13 Bold font, and sub-titles in B Lotus 12 Bold font. Minor titles are numbered as 2-1-, 2-1-1, 2-1-2-, ...

17. The Results section briefly and clearly states new scientific findings of the article, at most in two paragraphs.

18. Figures appear clearly with their titles underneath as: Figure 1-...; if necessary, figure references appear in parentheses as: (Reference: Shokouee, 1380:50). The font must be B Lotus 11.

19. Tables appear clearly in Table Grid format, with their titles above as: Table 1.

20. Mathematic formulas are typed from the left, one size smaller than the main body, and with the phrase "formula (no.)" on the right side. It is necessary to avoid using phrases such as 'the following formula', and just refer to the number.

21. In-text citation examples: (Woods, 2005, 17) or (Ghazanfarpour et al, 1392: 55) or (Ward et al, 1996, 190).

22. Persian references appear first in B Lotus 12, and Latin references follow in Times New Roman 12. In order to a homogeneous Farsi and English References, the patterns follow:

-Kiani, Akbar., Esmailzadeh, Ali., (1391). **Analysis of aplan for children-friendly cities, from children viewpoints.** Bagh-e Nazar Quarterly, 20, 51-62.

-Ghazanfarpour, Hossein., Paidar, Abouzar., Sharafi, Hojatolah., (1392). **Geography of tourism with emphasis on pilgrimage tourism**, 1sted., Tehran: Nashr-e Nour-e Elm.

-Ward, J.S., Parker, G.R. and Fernandina, F.J., (1996). **Landscape principles and issues to be considered when developing district plan.** European Planning Studies. 25, 189-202.

-Woods, M., (2005). **Rural Geography**, 1sted. Sage Publication, London.

23. The English abstract must appear at the end of the article, on a separate page.

24. A ready-made word format is provided on the website (<http://juas.uk.ac.ir>). It is recommended to download the file and enter your material into it.

25. Journal, the editing of articles, is free.

26. Legally, responsibility for accuracy of the contents, noticed the author/authors.

Journal of Urban Areas Studies

*Shahid Bahonar University of Kerman
(Faculty of Literature and Humanities)*

Table of Contents

Evaluation of Housing Quality in the Urban Areas of Zanjan <i>Dr. Mohsen AhadNejad.R, Dr. Issa EbrahimZadeh, Dr. Yones Gholami, Seyyed Ahmad Hosseini</i>	1-23
Assessing and Monitoring of the Development of the Cities of Isfahan Province in Terms of Information and Communication Technology (ICT) <i>Azam Khanaghaei, Dr. Jamal Mohammadi</i>	25-45
Investigation of the Expansion Trend and Related Effective Parameters Using Artificial Neural Network (Case Study: Tabriz) <i>Dr. Javad Sadidi, Sajjad Mahdavi, Dr. Ahmad Zanganeh</i>	47-64
Spatial Revision of Urban Green Space Using GIS (Case Study: District 7 of Tehran) <i>Dr. Safar Gha-edRahmati, Shahram BazrAfkan</i>	65-81
Investigation of Tourism Climate Calendar Using the CTIS (Case Study: City of Kerman) <i>Zahra Kazemi, Dr. Sadegh Karimi, Mehrdad Mohammadi Soleimani</i>	83-101
Spatial analysis of Qom Urban Areas to Build Social Housing Project with an Emphasis on the Analytic Hierarchy Process <i>Dr. Abolfazl Meshkini, Alireza Garrosi, Mostafa Tavakkoli Naghme</i>	103-123
Analysis of Qualitative and Quantitative Indicators of Housing in Jiroft and forecasting Housing Demand for 1400 <i>Dr. Hamid Reza Varesi, Esmail Kamali Bagh-rahi</i>	125-149
The Role of Commercial Centers in Tourism Development of Piranshahr <i>Dr. Hossein Yaghfori, Diman Kashefi Doost, Jamil Ghdr Marzi</i>	151-173

Vol.2, No.4, Autumn 2015

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Evaluation of Housing Quality
in the Urban Areas of Zanjan**

Dr. Mohsen AhadNejad.R¹, Associate Professor in Geography & Urban Planning,
Zanjan University, Zanjan, Iran.

Dr. Issa EbrahimZadeh, Professor of Geography & Urban Planning,
Sistan and Balouchestan University, Zahedan, Iran.

Dr. Yones Gholami, Assistant Professor in department of Geography and Tourism,
Kashan University, Kashan, Iran.

Seyyed Ahmad Hosseini, Ph.D Student of Geography & Urban Planning,
Sistan and Balouchestan University, Zahedan, Iran.

Date received: 24/07/2015

Date accepted: 24/11/2015

Abstract

A house is a place for resting relaxation peace as well as security and has had this role since long time ago. Accordingly it is one of the most essential requirements of humankind. The current study aimed to evaluate the housing quality in urban areas of Zanjan. In the research quality index of housing was determined and the required data was derived from housing census of 1390.the study applied AHP, and TOPSIS models and for evaluation of housing quality VIKOR model was used. The result of analysis suggests that only 22.2 percent of urban areas of Zanjan had proper or approximately proper quality 40.7 percent had moderate quality and 37 percent had improper or approximately improper quality. In addition it was found there was a significant differences between housing qualities in various urban regions.

Keywords: Quality housing, Zanjan, VIKOR, TOPSIS, AHP.

¹ - Corresponding Author's Email: ahmad.hosseini2011@yahoo.com

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Assessing and Monitoring of the Development
of the Cities of Isfahan Province in Terms of Information
and Communication Technology (ICT)**

*Azam Khanaghaei¹, M.S.c in Geography & Urban Planning,
Isfahan University, Isfahan, Iran.*

*Dr. Jamal Mohammadi, Assistant Professor of Geography & Urban Planning,
Isfahan University, Isfahan, Iran.*

Date received: 16/07/2015**Date accepted:** 08/11/2015**Abstract**

ICT as a "new technology" developed rapidly and by overcoming the limitations of time and space, it will be remembered as a pivotal development. As it is a public technology, it has a fundamental difference with other technologies. What can be inefficient is the unequal distribution concepts in areas which researchers refer to as the digital gap. This study aimed to "monitor and assess the development of Isfahan province in terms of technology, information and communication" The type of research is applicational - developmental and the method of its study is descriptive-analytical. In order to rank classification and the differences between cities, TOPSIS algorithm and dispersion coefficient Pearson are used. The results of this research shows that totally, the cities of Isfahan province with the level of development of information and communication technology have distance to the developing factors. The city of Isfahan has the first degree of ICT developing to the city of Chad-e-gan as the last degree. Isfahan is three times more developed than Chad-e-gan. This means that the development of cities in the ICT sector have a direct link to their populations. The cities with more population are more development in the field of information and communication technologies. The importance of the independent variables in determining the extent of inequality of cities in Isfahan province shows that the urbanization rate has the greatest impact and the physical index has the least impact on the inequality in the cities of Isfahan province. In the end, some strategies have been recommended for reducing the digital gap between cities that requires managers and urban planner's serious attention.

Keywords: Information and Communication Technology, Digital Gap, Cities of Isfahan Province, TOPSIS.

¹ - Corresponding Author's Email: a.khanaghaei999@gmail.com

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Investigation of the Expansion Trend and Related Effective Parameters Using Artificial Neural Network
(Case Study: Tabriz)**

Dr. Javad Sadidi¹, Assistant Professor, Department of Geography and Remote Sensing, Kharazmi University, Tehran, Iran.

Sajjad Mahdavi, MSc Student of Geography and Sacred Defense, Urmia University, Urmia, Iran.

Dr. Ahmad Zanganeh, Assistant Professor, Department of Geography and Urban Planning, Kharazmi University, Tehran, Iran.

Date received: 02/08/2015 **Date accepted:** 04/11/2015

Abstract

Prediction of urban growth and the encroachment of urban construction are very important. The planning of city managers for future management of the city and even planning to invest citizens are such cases that can be referred to. In this research, the trend of changes in urban development has been done in Tabriz, using artificial neural networks (ANN). To implement this, multi-temporal Landsat TM images for years 1990, 2000 and 2010 were used. To classify the mentioned image, MLC algorithm was used and post-classification comparison method was implemented for the change detection process. Feed-forward network architecture along with Back propagation algorithm has been used to correct the network weight during the process. Input variables include distance from the main roads, established areas, slope, service areas and aspect layers. The role of geological and tectonically parameters was also considered. Accuracy assessment of the simulation was performed for year 2010. In this process, the output of the neural network as forecasted image was compared to classified image of the same year. It shows the accuracy of 96%. The results show an increasing urban area growth via destroying vegetation as well as agricultural areas, in such rate that, it is forecasted more than 16000 hectares of nonurban areas will be transformed to urban areas during years 2010-2030. Also the results of this research indicate that the expansion direction of the city for the mentioned period will be toward the southeast.

Key words: Artificial Neural Network, Simulation, Urban Growth, GIS, Tabriz.

¹ - Corresponding Author's Email: jsadidi@gmail.com

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Spatial Revision of Urban Green Space Using GIS
(Case Study: District 7 of Tehran)**

*Dr. Safar Gha-edRahmati¹, Assistant Professor of Geography and Urban Planning,
Tarbiat Modares University, Tehran, Iran.*

*Shahram Bazrafkan, MSc Student of Geography and Urban Planning,
Tarbiat Modarres University, Tehran, Iran.*

Date received: 23/08/2015 **Date accepted:** 21/12/2015

Abstract

Green space, as an indicator of development of the society has dimensions of environmental, social, cultural, economic and physical. In order to play roles and functions well, the first and most important step is to determine suitable locations for it. The aim of this study is to improve the urban green space in district 7 of Tehran. For this purpose, the fuzzy AHP model was used. The methodology of the research is descriptive and analytical. In this study by assessing and evaluating factors for locating urban green space, maps were designed and statistical layers were created for each criterion in GIS and a total of 10 criteria were used. Then in order to model making, to each of the statistical layers based on AHP was assigned an appropriate weight. Finally, the maps have been synthesized and final map was created. by placing the current layer of parks based of spatial efficiency, green space layout was determined and the results showed that none of the parks in the district 7 are highly desirable areas almost half of current parks in the district are located in inappropriate zones 43% and 34% are located in average zones and 23% are located in favorable zones .As nearly half of the existing parks are located in unfavorable zones, it can be explained that in terms of compatible land use planning, the location of green space has been ignored.

Key words: Green Space, Spatial Revises, Fuzzy, District 7 of Tehran

¹ - Corresponding Author's Email: safarahmati@modares.ac.ir

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Investigation of Tourism Climate Calendar Using the CTIS
(Case Study: City of Kerman)***Zahra Kazemi¹, MSc of Geography and Tourism, Isfahan University, Isfahan, Iran.**Dr. Sadegh Karimi, Assistant Professor of Climatology,
Shahid Bahonar University of Kerman, Kerman, Iran.**Mehrdad Mohammadi Soleimani, Ph.D Student of Geography and Urban Planning,
PayamNoor University of Tehran, Tehran, Iran.***Date received:** 18/07/2015 **Date accepted:** 16/11/2015**Abstract**

Nowadays, tourism industry as a dynamic and comprehensive industry has been encompassing all basic element of communities and global systems. Climate as a geographical phenomenon has close and incredible relationship with tourism and its development purposes so that, many considered successful tourism destinations in the world have been indebted to favorable climate condition. Suitable climate can lead to tourist's satisfaction. Tourists plan their trip according to weather conditions and plan their desired destination. The research has been carried out using climate data temperature, pressure of steam, relative moisture, wind speed, sunshine and clouding of synoptic station of Kerman in a statistical period of two decade (1994-2013) with RayMan software. In addition, climate calendar of Kerman was proposed according to CTIS (Climate and Tourism Information Scheme) and PET indicators. The results indicate that there is a high correlation between climate condition and tourism and leisure. In fact, a suitable climate in terms of thermal, physical, aesthetic could be a factor to attract tourists. The results that were presented as calendar time, shows that from 1th Ordibehesht to 11th Khordad and from 10th Shahrivar to 28th Mehr is the best time and from 10th Azar to 22th Bahman is the worst time for the tourists to visit Kerman.

Keywords: Tourism Climate, PET, CTIS, City of Kerman.

¹ - Corresponding Author's Email: kazemi_z1370@yahoo.com

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Spatial analysis of Qom Urban Areas to Build Social Housing Project with an Emphasis on the Analytic Hierarchy Process**

*Dr. Abolfazl Meshkini, Assistant Professor of Geography and Urban Planning,
Tarbiat Modarres University, Tehran, Iran.*

*Alireza Garrosi¹, MSc Student of Geography and Urban Planning,
Tarbiat Modarres University, Tehran, Iran.*

*Mostafa Tavakkoli Naghme, MSc of Land Use Planning,
Tehran University, Tehran, Iran.*

Date received: 16/09/2015 **Date accepted:** 21/12/2015

Abstract

Social housing refers to a particular type of housing mainly build by national or local government in order to provide houses for low-income groups. Qom, one of Iran's major cities need attention in the housing sector due to its high population one of the most important factors in the development and construction of residential projects is the optimized site. One of the methods of decision-making through weighting to the criteria is hierarchical method of AHP. Based on this method, criteria and sub-criteria are ranked and options for selection of optimized locations are specified. This applied study is a descriptive – analytical research and relies on library resources. Effective criteria and sub- criteria in locating the residential areas are introduced and the hierarchical tree is drawn. These criteria are set in the form of a questionnaire and distributed among urban and housing experts in the municipality of Qom and in order to calculate the average weight given to each criteria and sub criteria paired comparisons have been used. After doing the calculations in the analytic hierarchy process, the output results were in such a way that District 8 is the most suitable area for the construction of social housing. Districts 2 and 3 are a priority after district 8. In this regard, districts, 5, 6 and 7 of the most improper areas in locating and constructing of the project.

Keywords: Social Housing ,AHP, GIS, City of Qom.

¹ - Corresponding Author's Email: a.garosi@modares.ac.ir

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***Analysis of Qualitative and Quantitative Indicators of Housing in Jiroft and forecasting Housing Demand for 1400**

Dr. Hamid Reza Varesi, Associate Professor, Department of Geography and Urban Planning, University of Isfahan, Isfahan, Iran.

Esmail Kamali Bagh-rahi¹, MSc Student of Geography and Urban Planning, University of Isfahan, Isfahan, Iran.

Date received: 04/08/2015 **Date accepted:** 18/11/2015

Abstract

Housing is one of the most basic human needs and is considered one of the critical issues in developing countries. Due to the economic mismanagement, lack of planning for housing and the rapid growth of urban population, there has been a mismatch between housing supply and demand in many cities of Iran which enhances the need for the advanced planning. The current study aims to evaluate the qualitative and quantitative indicators of housing in the Jiroft city and compare with other cities of Iran. It further aims to forecast the housing demand of this city for 1400. The current study applies descriptive – analytical method, and relies on library resources, population statistics, housing censuses, comprehensive plan of Jiroft and field research. The study finds that during the period 1345-1390 Jiroft housing has been improved both in term of quantity and quality .even though in some it is considered in lower level than other cities of Iran. In addition the study forecasts that in 1400 based on the population of city 15774 new housing units as well as 1246146 square meter of land lot will be required.

Keywords: Housing Qualitative Indicators, Housing Quantitative Indicators, Forecast, Requirement Land, Jiroft.

¹ - Corresponding Author's Email: esmailkamali9@gmail.com

*Journal of Urban Areas Studies**Vol.2, No.4, Autumn 2015***The Role of Commercial Centers
in Tourism Development of Piranshahr**

*Dr. Hossein Yaghfori¹, Assistant Professor of Geography & Urban Planning,
Sistan and Balouchestan University, Zahedan, Iran.*

*Diman Kashefi Doost, Ph.D Student of Geography and Urban Planning,
Sistan and Balouchestan University, Zahedan, Iran.*

*Jamil Ghdr Marzi, Ph.D Student of Geography and Urban Planning,
Yazd University, Yazd, Iran.*

Date received: 28/07/2015 **Date accepted:** 31/10/2015

Abstract

Commercial centers, especially in border cities of the country, have an important role on tourist's attraction. Attracting domestic and foreign tourists, help economic growth. And provision of proper facilities can affect positively tourists' attraction. The current study examines the role of commercial centers on tourism development. The study conducted a survey and is descriptive-co relational in nature. 35 experts were participated in the survey. In addition using Cochran's model for sampling 320 of tourists were needed to be surveyed, which were later increased to 355 for having a better image of tourists' perspective. The collected data using questionnaire was analyzed using SPSS and Spearman and Chi-square test were used. The results of this research indicate that the activity of border markets have a great role on the development of tourism in Piranshahr, which contributes to the economic development. In addition it was found that facilities and services of commercial centers effects tourism satisfaction.

Keywords: Commercial Centers, Development of Tourism, Piranshahr.

¹ - Corresponding Author's Email: yaghfoori@gep.usb.ac.ir