

## Mohamad Molaei Qelichi

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### Education:

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- Visiting Ph.D Researcher at School of Engineering- LISUT (Urban and Regional System Engineering Laboratory), University of Basilicata, Italy, Jul 2016- Mar 2017.
- Ph.D in Geography and Urban Planning, University of Tehran, Tehran, Iran, 2018.
- M.Sc. in Geography and Urban Planning, University of Tarbiat Modares, Tehran, Iran, 2013.
- B.Sc. in Human Geography, University of Tehran, Tehran, Iran, 2011.
- High School Diploma, Mostafa Khomeini School, Varamin, Iran, 2006.

### Honors and Awards:

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- Ranked 3<sup>th</sup> among more than 2'035 participant in the nationwide university entrance exam for Ph.D degree, spring 2013.
- Ranked 1<sup>st</sup> among M.sc Geography and Urban Planning Students in University of Tarbiat Modares, 2013.
- Ranked 5<sup>th</sup> among more than 6'000 participant in the nationwide university entrance exam for M.Sc degree, spring 2011.
- Ranked 3<sup>nd</sup> among B.sc Human Geography Students in University of Tehran. 2011.

### Research interests:

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- Quantitative spatial analysis
- Cultural heritage management
- Geographical analysis
- Urban modeling

### Scientific membership:

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Urban Economics Association, managed by the Urban Economics Council, North American Regional Science Council (NARSC)

## Publications:

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### Published:

1. [Spatial open data for supporting the monitoring and preservation of archaeological areas and landscape: the case studies of land use changes in Kom el Shoqafa, Egypt and Shush, Iran](#), Sustainability 2017, 9(4), 572; doi:10.3390/su9040572
2. [Management of Cultural Heritage Sites using Remote Sensing Indices and Spatial Analysis Techniques](#), Surveys in Geophysics, <https://doi.org/10.1007/s10712-018-9489-8>
3. [A Multiple Criteria Decision-Making Approach to Evaluate the Sustainability Indicators in the Villagers' Lives in Iran with Emphasis on Earthquake Hazard: A Case Study](#), Sustainability 2017, 9, 1491; doi:10.3390/su9081491
4. [Urbanization patterns in Iran visualized through spatial auto-correlation analysis](#), Spat. Inf. Res. (2017). <https://doi.org/10.1007/s41324-017-0128-0>
5. [A comparative study employing CIA methods in knowledge-based urban development with emphasis on affordable housing in Iranian cities \(Case: Tabriz\)](#), ICCSA 2017. Lecture Notes in Computer Science, Vol. 10407. Springer, Cham. DOI: 10.1007/978-3-319-62401-3\_35
6. [Analyzing effective factors on Urban Growth Management focusing on remote sensing indices in Karaj, Iran](#), ICCSA 2017. Lecture Notes in Computer Science, Vol. 10407. Springer, Cham. DOI: 10.1007/978-3-319-62401-3\_34.
7. [Evaluating spatial structure of annual rainfall in relation to local factors in Iran](#), Spat. Inf. Res. (2017). <https://link.springer.com/article/10.1007%2Fs41324-017-0106-6>.
8. [Cultural Heritage Management Using Analysis of Satellite Images and Advanced GIS Techniques at East Luxor, Egypt and Kangavar, Iran \(A Comparison Case Study\)](#), ICCSA 2017. Lecture Notes in Computer Science, Vol. 10407. Springer, Cham. DOI: 10.1007/978-3-319-62401-3\_12.

### Conference Papers:

1. [Determining strategies for urban growth in Gorgan, Iran: An analysis via SWOT approach](#), Proceedings of the IEEE conference on Computing Networking and Informatics (ICCNI), Ota, Nigeria, October 2017.
2. [Spatial and temporal analysis of crime hot spots in GIS, a case study of kerman city, IRAN](#), International Conference on Information Systems and Management Science (ISMS 2018), University of Malta, Malta.
3. [Optimum locating of urban parks and green space using GIS and TOPSIS technique \(Case study: region six of TEHRAN in IRAN\)](#), Tabyaoui et al. (eds.). Infrastructure des Données spatiales et application SIG – Presses Academiques francophones. © 2014, OmniScriptum GmbH & Co. KG. ISBN : 978-3-8381-4837-3. pp. 247-254.
4. [Evaluate the Effective Factors of the Incidence of Car Accidents in Tehran City, Iran](#)

### PhD Dissertation:

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Explanation and presentation of optimal pattern to urban growth management in Karaj city, Iran.

**M.sc Dissertation:**

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Measurement the trend of urban sprawl growth emphasizing to cumulative indicators of smart growth (case study: region 2 in Tehran city).

**Teaching Experience:**

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Teaching Models of MCDM and GIS to students of Faculty of Geography ,university of Tehran, 2013.

**Conference Reviewer:**

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- The 17th International Conference on Computational Science and Its Applications (ICCSA 2017), Trieste, Italy
- International Conference on Architecture And Civil Engineering, Universal Researchers in Civil and Architecture Engineering, 2017

**Computer and Programming Skills:**

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- Arc GIS, Super Decisions, SPSS, Sygwin, MICMAC, MACTOR

**Language skills:**

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- English: fluent.
- Italian: Elementary.