Personal Pro.

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Education

B.Sc. (2010): Surveying Engineering, University of Isfahan, Isfahan, I.R. Iran

M.Sc. (2012): Remote Sensing Engineering, University of Isfahan, Isfahan, I.R. Iran

Ph.D. (2018): Remote Sensing Engineering, University of Tehran, Tehran, I.R. Iran

Field of Interest

- Remote Sensing (Optical & Radar Imagery)
- Photogrammetry
- Image Processing & Analysis
- Geospatial Object-Based Image Analysis (GEOBIA)
- Pattern Recognition & Machine Learning
- Building Extraction
- R/MATLAB/NetLogo/AutoLisp/Visual C#/Python/WEKA/HTML/CSS/PHP
- ENVI/ER Mapper/ERDAS/ArcGIS/QGIS/eCognition/Global Mapper/Land Development/AutoCAD/ PolSAR Pro/PCI Geomatica

Research Papers

○ ISI Papers:

1- Khosravi, I., & Mohammad-Beigi, M. (2014). Multiple classifier systems for Hyperspectral remote sensing image classification. *Journal of the Indian Society of Remote Sensing*, June 2014, 42(2):423–428.
Link: http://link.springer.com/article/10.1007/s12524-013-0327-7

2- Khosravi, I., Momeni, M., & Rahnemoonfar, M. (2014). Performance evaluation of object-based and pixel-based building detection algorithms from very high spatial resolution imagery. *Photogrammetric Engineering & Remote Sensing*. Vol. 80, No. 5, June 2014, pp. 445–455.
Link: https://www.ingentaconnect.com/content/asprs/pers/2014/00000080/00000006/art00002

3- Khosravi, I., Joybari, Y., & Sarajian, M.R. (2017). The comparison of NN, SVR, LSSVR and ANFIS at modeling meteorological and remotely-sensed drought indices over the Eastern district of Isfahan, Iran, *Natural Hazards*, Vol. 87, Issue, 3, pp. 1507–1522.
Link: https://link.springer.com/article/10.1007/s11069-017-2827-1

4- Khosravi, I., & Momeni, M. (2018). Presenting an object-based approach using image edges to detect building boundaries from high spatial resolution images, *Iranian Journal of Science and Technology, Transactions of Electrical Engineering*, Vol. 42, Issue, 1, pp. 95 – 105.
Link: http://link.springer.com/article/10.1007/s40998-018-0051-y

5- Khosravi, I., Safari, A., Homayouni, S., & McNairn, H. (2017). Enhanced decision tree ensembles for land-cover mapping from fully polarimetric SAR data, *International Journal of Remote Sensing*, Vol. 38, Issue, 23, pp. 7138–7160.
Link: www.tandfonline.com/doi/abs/10.1080/01431161.2017.1372863

6- Khosravi, I., Safari, A., & Homayouni, S. (2017). Separability analysis of multifrequency SAR polarimetric features for land cover classification, *Remote Sensing Letters*, Vol. 8, Issue, 12, pp. 1153–1162.
Link: http://www.tandfonline.com/doi/abs/10.1080/2150704X.2017.1365386

7- Khosravi, I., Safari, A., & Homayouni, S. (2018). MSMD: maximum separability and minimum dependency feature selection for cropland classification from optical and radar data, *International Journal of Remote Sensing*, 39(8): 2159–2176.
Link: http://www.tandfonline.com/doi/full/10.1080/01431161.2018.1425564

8- Khosravi, I., Safari, A., & Homayouni, S. (2018). Multiple classifier systems for classification of multifrequency PolSAR images with limited training samples, *International Journal of Remote Sensing*, 2018, 39(21): 7547–7567.
Link: https://www.tandfonline.com/doi/full/10.1080/01431161.2018.1471543

9- Khosravi, I., & Alavipanah, S.K. (2019). A random forest-based framework for crop mapping using temporal, spectral, textural and polarimetric observations, *International Journal of Remote Sensing*, Vol. 40, Issue, 18, pp. 7221–7251.
Link: https://www.tandfonline.com/doi/full/10.1080/01431161.2019.1601285

10- Khosravi, I., & Jouybari-Moghaddam, Y. (2019). Hyperspectral imbalanced data sets classification using filter-based forest methods, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, Vol. 12, Issue, 11, pp. 1–7.
Link: https://ieeexplore.ieee.org/document/8719007

- **ISC Papers:**

1- Khosravi, I., Akhondzadeh, M., and Khoshgoftaar, M.M. (2015). Modeling and Predicting the Drought Indices Time Series Using Machine Learning Methods in Order To Managing Hazards (Case Study: Eastern District of Isfahan). *Environmental Hazards Management*, Vol. 2, Issue, 1, pp. 51–65.
Link: https://jhsci.ut.ac.ir/article_53921_en.html

2- Khosravi, I., & Akhondzadeh, M. (2014). The use of multiple classifier systems for improving the classification accuracy of high–dimensional fully polarimetric SAR images, *Engineering Journal of Geospatial Information Technology*, 2:3, 69-84.
Link: http://jgit.kntu.ac.ir/browse.php?a_id=162&sid=1&slc_lang=en

3- Khosravi, I., Mousavi, M.M. & Amini, J. (2015). Presenting a feature selection method based on genetic algorithm and decision tree for classifying fully polarimetric SAR images, *Engineering Journal of Geospatial Information Technology*, 3:2, 75-88.
Link: http://jgit.kntu.ac.ir/browse.php?a_id=232&sid=1&slc_lang=en

4- Khosravi, I., & Momeni, M., (2016). Introducing An Efficient Set of High Spatial Resolution Images of Urban Areas to Evaluate Building Detection Algorithms. *Journal of Modeling and Simulation in Electrical and Electronics Engineering*. Vol. 2, Issue, 1, pp. 1–10.
Link: http://mseee.journals.semnan.ac.ir/article_2831.html

5- Khosravi, I., & Momeni, M., (2017). Presenting an extended evaluation framework for building detection algorithms using high spatial resolution images. *Earth Observation and Geomatics Engineering*, Vol. 1, Issue, 1, pp. 26–35.
Link: https://eoge.ut.ac.ir/article_63867.html

6- Khoshgoftaar, M.M. Akhondzadeh, M., and Khosravi, I., (2019). The Comparison of ARIMA and Neural Network methods for Modeling and Monitoring of Drought Using Remote Sensing Time Series Data (Case Study: City of Arak). *Scientific-Research Quarterly of Geographical Data (SEPEHR)*, Vol. 28, Issue, 109, pp. 185–197.
Link: http://www.sepehr.org/article_35646_en.html

7- Khosravi, I., Safari, A., & Homayouni, S. (2018). Enhanced Tree-Based Multiple Classifier Systems for Cropland Classification from Optical and Full-Polarimetric Radar Images. *Journal of Geomatics Science and Technology*, Vol. 8, No. 2, pp. 13–34.
Link: http://jgst.issge.ir/article-1-716-en.html&sw=Khosravi

- **Conference Papers:**

1- Rajabi, A., Khosravi, I., & Momeni, M., (2013). Performance evaluation of object-based and pixel-based for detecting buildings at high resolution satellite images. *International Conference on Civil Engineering Architecture & Urban Sustainable Development*, 18 &19 December 2013, Tabriz, Iran, pp. 1–6.

2- Khosravi, I., Niazmardi, S., Safari, A., & Homayouni, S., (2018). Comparison of SVM and RF Algorithms for Crop Mapping Using Bi-Temporal Optical and Radar Data with Limited Training Samples**.** *The 5th International Conference Electrical Engineering and Computer with Emphasis on Native Knowledge. 8 February 2018*, pp. 1–6.

- **Books:**

1- Momeni, M., Khosravi, I., & Mostajeran, B., (2013). "Object orient in remotely–sensed image processing", University of Isfahan.